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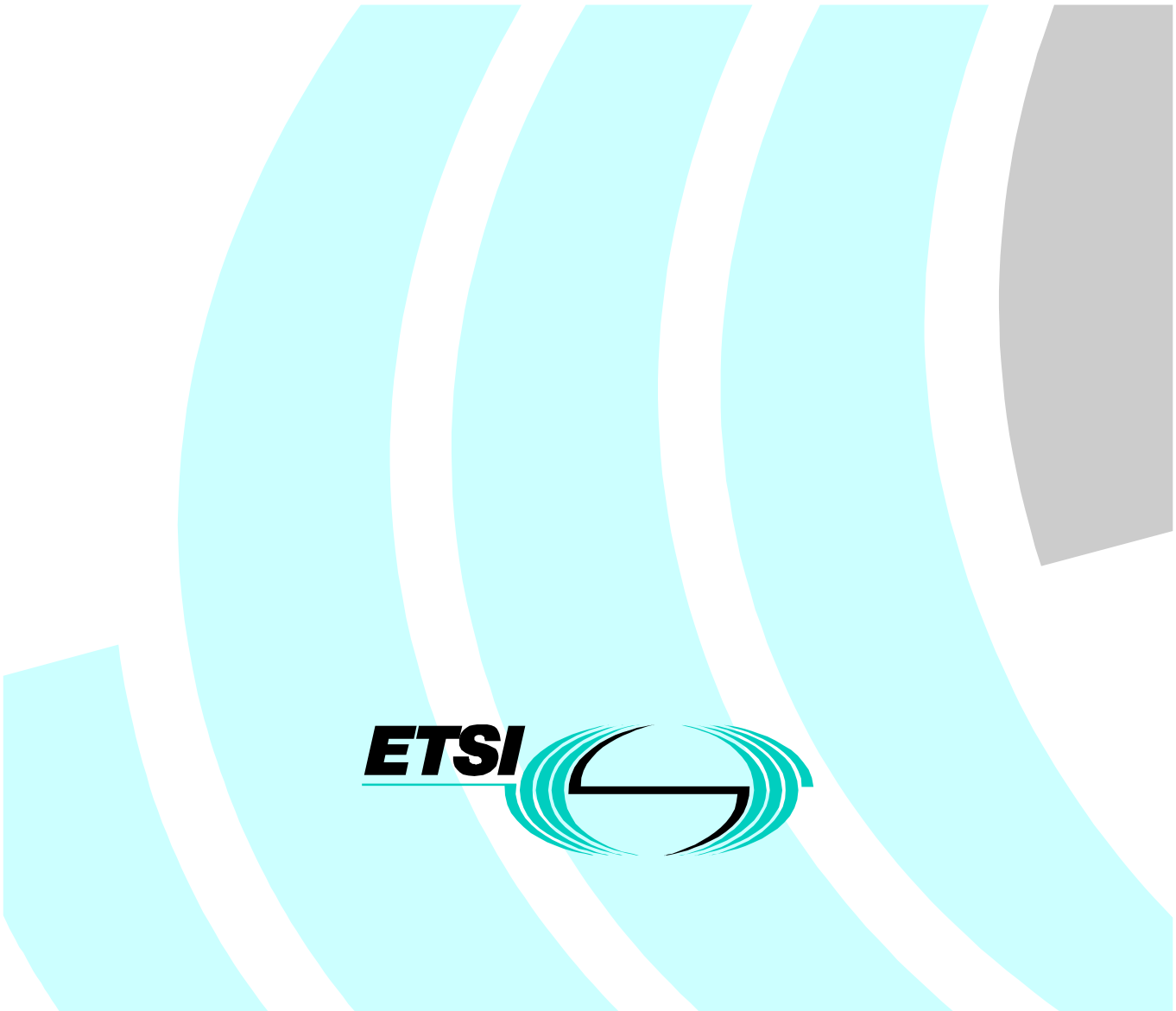
ETSI Guide

Network integration testing between ISDN, PLMN and PSTN;
Part 1: Test Suite Structure and Test Purposes (TSS&TP) specification



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Foreword

This ETSI Guide (EG) has been produced by ETSI Technical Committee Services and Protocols for Advanced Networks (SPAN) using information provided by EURESCOM P613.

The present document is part 1 of a multi-part EG covering the Network integration testing between ISDN, PLMN and PSTN, as identified below:

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

Part 2: Abstract Test Suite (ATS), Implementation Conformance Statement (ICS) and partial Implementation eXtra Information for Testing (IXIT) proformas.

Introduction

The present document contains the Test Suite Structure and Test Purposes (TSS&TP) for Network Integration Testing Narrow-band Services for testing the European ISDN and PLMN, covering Network Integration Testing (NIT) between ISDN-PLMN, PSTN-PLMN, PLMN-ISDN, PLMN-PSTN and PLMN-PLMN networks. The objective is to verify the level of international end-to-end support of ISDN and PLMN services. Both bearer services (and associated teleservices) and supplementary services are checked for interworking capability and compatibility, in the European ISDN and PLMN.

The European ISDN and PLMN are made up by connecting the different national networks and End-to-end NIT covers all the testing activities necessary to assess the correct behaviour of the interconnected network from the point of view of access interfaces, network side.

1 Scope

The present document specifies the Test Suite Structure and Test Purposes (TSS&TP) for Network Integration Testing (NIT) to verify the overall compatibility of ISDN, PLMN 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 PLMN 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, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.
- A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

[1] EN 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] EG 201 018 (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".

[3] ETS 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".

[4] ETS 300 080: "Integrated Services Digital Network (ISDN); ISDN lower layer protocols for telematic terminals".

[5] 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".

[6] ETS 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".

[7] ETS 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".

[8] ETS 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".

[9] ETS 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".

[10] ETS 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".

[11] ETS 300 061-1: "Integrated Services Digital Network (ISDN); Subaddressing (SUB) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[12] ETS 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".

[13] ETS 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".

[14] ETS 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".

[15] ETS 300 207-1: "Integrated Services Digital Network (ISDN); Diversion supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[16] ETS 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".

[17] ETS 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".

[18] ETS 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".

[19] ETS 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".

[20] ETS 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".

[21] ETS 300 195-1: "Integrated Services Digital Network (ISDN); Supplementary service interactions; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

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

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

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

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

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

[27] ETS 300 502: "European digital cellular telecommunications system (Phase 2); Teleservices supported by a GSM Public Land Mobile Network (PLMN) (GSM 02.03)".

[28] ETS 300 511: "European digital cellular telecommunications system (Phase 2); Man-Machine Interface (MMI) of the Mobile Station (MS)

[29] ETS 300 515: "Digital cellular telecommunications system (Phase 2); Call Forwarding (CF) supplementary services; Stage 1 (GSM 02.82)".

[30] ETS 300 518: "Digital cellular telecommunications system (Phase 2); Closed User Group (CUG) supplementary services; Stage 1 (GSM 02.85)".

[31] ETS 300 543: "Digital cellular telecommunications system (Phase 2); Call Forwarding (CF) supplementary services; Stage 2 (GSM 03.82)".

[32] ETS 300 544: "European digital cellular telecommunications system (Phase 2); Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 2 (GSM 03.83)".

[33] ETS 300 546: "Digital cellular telecommunications system (Phase 2); Closed User Group (CUG) supplementary services; Stage 2 (GSM 03.85)".

[34] ETS 300 548: "European digital cellular telecommunications system (Phase 2); Call Barring (CB) supplementary services; Stage 2 (GSM 03.88)".

[35] ETS 300 557: "Digital cellular telecommunications system (Phase 2); Mobile radio interface; Layer 3 specification (GSM 04.08 version 4.23.1)".

[36] ETS 300 565: "European digital cellular telecommunications system (Phase 2); Line identification supplementary services; Stage 3 (GSM 04.81)".

[37] ETS 300 566: "Digital cellular telecommunications system (Phase 2); Call Forwarding (CF) supplementary services; Stage 3 (GSM 04.82)".

[38] ETS 300 567: "Digital cellular telecommunications system (Phase 2); Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 3 (GSM 04.83)".

[39] ETS 300 569: "Digital cellular telecommunications system (Phase 2); Closed User Group (CUG) supplementary services; Stage 3 (GSM 04.85)".

[40] ETS 300 582: "Digital cellular telecommunications system (Phase 2); General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS) (GSM 07.01)".

[41] ETS 300 599: "Digital cellular telecommunications system (Phase 2); Mobile Application Part (MAP) specification (GSM 09.02 version 4.17.1)".

[42] ETS 300 604: "Digital cellular telecommunications system (Phase 2); 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)".

[43] ITU-T Recommendation Q.764 (1993): "Specifications of Signalling System No.7; Signalling procedures".

[44] ETS 300 587-2: "European digital cellular telecommunications system (Phase 2); Base Station System - Mobile-services Switching Centre (BSS - MSC) interface; Interface principles (GSM 08.02)".

[45] ETS 300 524: "European digital cellular telecommunications system (Phase 2); Signalling requirements relating to routeing of calls to mobile subscribers (GSM 03.04)".

[46] ETS 300 102-1: "Integrated Services Digital Network (ISDN); User-network interface layer 3; Specifications for basic call control".

[47] ITU-T Recommendation V.110 (1996): "Support by an ISDN of data terminal equipments with V-Series type interfaces".

[48] ITU-T Recommendation G.711 (1988): "Pulse code modulation (PCM) of voice frequencies".

[49] ITU-T Recommendation X.30 (1993): "Support of X.21, X.21 bis and X.20 bis based Data Terminal Equipments (DTEs) by an Integrated Services Digital Network (ISDN)".

[50] ITU-T Recommendation F.721 (1992): "Videotelephony teleservice for ISDN".

[51] ITU-T Recommendation F.182 (1996): "Guidelines for the support of the communication of documents using Group 3 facsimile between user terminals via public networks".

[52] ISO/IEC 8208 (1995): "Information technology - Data communications - X.25 Packet Layer Protocol for Data Terminal Equipment".

[53] ISO/IEC 7776 (1995): "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".

[54] ITU-T Recommendation V.120 (1996): "Support by an ISDN of data terminal equipment with V-Series type interfaces with provision for statistical multiplexing".

[55] ETS 300 578: "Digital cellular telecommunications system (Phase 2); Radio subsystem link control (GSM 05.08 version 4.22.0)".

[56] ITU-T Recommendation G.101 (1996): "The transmission plan".

[57] ETS 300 542: "Digital cellular telecommunications system (Phase 2); Line identification supplementary services; Stage 2 (GSM 03.81 version 4.8.1)".

[58] ITU-T Recommendation H.221 (1999): "Frame structure for a 64 to 1920 kbit/s channel in audiovisual teleservices".

[59] ITU-T Recommendation H.242 (1999): "System for establishing communication between audiovisual terminals using digital channels up to 2 Mbit/s".

3 Definitions

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

3.1 Definitions related to conformance testing

abstract test case: refer to ISO/IEC 9646-1 [26]

abstract test suite: refer to ISO/IEC 9646-1 [26]

implementation under test: refer to ISO/IEC 9646-1 [26]

lower tester: refer to ISO/IEC 9646-1 [26]

Implementation Conformance Statement (ICS) proforma: refer to ISO/IEC 9646-1 [26]

Implementation eXtra Information for Testing (IXIT) proforma: refer to ISO/IEC 9646-1 [26]

point of control and observation: refer to ISO/IEC 9646-1 [26]

protocol implementation conformance statement: refer to ISO/IEC 9646-1 [26]

protocol implementation extra information for testing: refer to ISO/IEC 9646-1 [26]

system under test: refer to ISO/IEC 9646-1 [26]

test purpose: refer to ISO/IEC 9646-1 [26]

3.2 Definitions related to EN 300 403-1

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

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

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

Integrated Services Digital Network (ISDN): see ITU-T Recommendation I.112 [23], subclause 2.2 definition 308

service: telecommunications service: see ITU-T Recommendation I.112 [23], subclause 2.2 definition 201

supplementary service: see ITU-T Recommendation I.210 [24], subclause 2.4

ISDN number: number conforming to the numbering and structure specified in ITU-T Recommendation E.164 [25]

3.3 Configuration of the mobile network

3.3.1 The entities of the mobile system

To provide the mobile service as it is defined, it is necessary to introduce some specific functions. These functional entities can be implemented in different equipment's or integrated. In any case, exchanges of data occur between these entities.

3.3.1.1 The Home Location Register (HLR)

This functional entity is a data base in charge of the management of mobile subscribers. A PLMN may contain one or several HLRs; it depends on the number of mobile subscribers, on the capacity of the equipment and on the organization of the network. All subscription data are stored there. The main information stored there concerns the location of each mobile station in order to be able to route calls to the mobile subscribers managed by each HLR. All management interventions occur on this data base. The HLRs have no direct control of MSCs.

3.3.1.2 The Visitor Location Register (VLR)

An MS roaming in an MSC area is controlled by the Visitor Location Register in charge of this area. When an MS appears in a location area it starts a location updating procedure. The MSC in charge of that area notices this registration and transfers to the Visitor Location Register the identity of the location area where the MS is situated. A VLR may be in charge of one or several MSC areas.

The VLR also contains the information needed to handle the calls set up or received by the MSs registered in its data base (in some cases the VLR may have to obtain additional information from the HLR).

3.3.1.3 The Mobile-services Switching Centre (MSC)

The Mobile-services Switching Centre is an exchange which performs all the switching functions for mobile stations located in a geographical area designated as the MSC area. The main difference between an MSC and an exchange in a fixed network is that the MSC has to take into account the impact of the allocation of radio resources and the mobile nature of the subscribers and has to perform, for example, the following procedures:

- procedures required for the location registration;
- procedures required for hand-over.

3.3.1.4 The Base Station System (BSS)

The BSS is the sub-system of Base Station equipment (transceivers, controllers, etc.) which is viewed by the MSC through a single interface (A-interface) with the functionality described in ETS 300 587-2 [44] (GSM 08.02).

3.3.1.5 The Gateway MSC (GMSC)

In the case of incoming calls to the PLMN, if the fixed network is unable to interrogate the HLR, the call is routed to an MSC. This MSC will interrogate the appropriate HLR and then route the call to the MSC where the mobile station is located. The MSC which then performs the routing function to the actual location of the mobile is called the Gateway MSC. The choice of which MSCs can act as Gateway MSCs is a network operator matter (e.g. all MSCs or some designated MSCs).

3.3.1.6 The SMS Gateway MSC

The SMS GMSC is the interface between the Mobile Network and the network which provides access to the Short Message Service Centre, for short messages to be delivered to mobile stations. The choice of which MSCs can act as SMS Gateway MSCs is a network operator matter (e.g. all MSCs or some designated MSCs).

3.3.1.7 The SMS Interworking MSC

The SMS IWMSC is the interface between the Mobile Network and the network which provides access to the Short Message Service Centre, for short messages submitted by mobile stations. The choice of which MSCs can act as SMS Interworking MSCs is a network operator matter (e.g. all MSCs or some designated MSCs).

3.3.1.8 The Equipment Identity Register (EIR)

This functional unit is a data base in charge of the management of the equipment identities of the mobile stations; see also GSM 02.16.

3.3.2 Configuration of a Public Land Mobile Network (PLMN)

The basic configuration of a Public Land Mobile Network is presented in figure 2.2/1. In this figure the most general solution is described in order to define all the possible interfaces which can be found in any PLMN. The specific implementation in each network may be different: some particular functions may be implemented in the same equipment and then some interfaces may become internal interfaces. In any case the configuration of a PLMN has no impact on the relationship with the other PLMNs. In this configuration, all the functions are considered implemented in different equipment's. Therefore, all the interfaces are external and need the support of the Mobile Application Part of the Signalling System No. 7 to exchange the data necessary to support the mobile service. From this configuration, all the possible PLMN organizations can be deduced.

3.3.3 Interconnection between PLMNs

Since the configuration of a PLMN does not have any impact on other PLMNs, the signalling interfaces specified can be implemented both between the entities within a PLMN and between different PLMNs.

3.3.4 The interfaces within the mobile service

3.3.4.1 Interface between the HLR and the VLR (D-interface)

This interface is used to exchange the data related to the location of the mobile station and to the management of the subscriber. The main service provided to the mobile subscriber is the capability to set up or to receive calls within the whole service area. To support that purpose the location registers have to exchange data. The VLR informs the HLR on the registration of a mobile station managed by the latter and provides it with the relevant location information. The HLR sends to the VLR all the data needed to support the service to the mobile station. The HLR then calls the previous VLR to inform it that it can cancel the location registration of this station because of the roaming of the mobile.

Exchanges of data may also occur when the mobile subscriber requires a particular service, when he wants to change some data attached to his subscription or when some parameters of the subscription are modified by administrative means.

3.3.4.2 Interface between the VLR and its associated MSC(s) (B-interface)

The VLR is the location and management data base for the mobile stations roaming in the area controlled by the associated MSC(s). Whenever the MSC needs data related to a given mobile station currently located in its area, it interrogates the VLR. When a mobile station initiates a location updating procedure with an MSC, the MSC informs its VLR which stores the relevant information in its tables. This procedure occurs whenever a mobile roams to another location area. Also, for instance when a subscriber activates a specific supplementary service or modifies some data attached to a service, the MSC transfers (via the VLR) the request to the HLR, which stores these modifications and updates the VLR if required.

However, this interface is not fully operational specified. It is strongly recommended not to implement the B-interface as an external interface.

3.3.4.3 Interface between VLRs (G-interface)

When an MS initiates a location updating using TMSI, the VLR can fetch the IMSI and authentication set from the previous VLR.

3.3.4.4 Interface between the HLR and the MSC (C-interface)

When the fixed network is not able to perform the interrogation procedure needed to set up a call to a mobile subscriber, the Gateway MSC has to interrogate the HLR of the called subscriber to obtain the roaming number of the called MS (see ETS 300 524 [45] (GSM 03.04)).

To forward a short message to a mobile subscriber, the SMS Gateway MSC has to interrogate the HLR to obtain the MSC number where the MS is located.

3.3.4.5 Interface between MSCs (E-interface)

When a mobile station moves from one MSC area to another during a call, a handover procedure has to be performed in order to continue the communication. For that purpose the MSCs involved have to exchange data to initiate and then to realize the operation.

This interface is also used to forward short messages.

3.3.4.6 Interface between the MSC and Base Station Systems (A-interface)

The description of this interface is contained in the GSM 08-series of Mobile stations.

The BSS-MSC interface carries information concerning:

- BSS management;
- call handling;
- location management.

3.3.5 Access reference configuration

3.3.5.1 Mobile Termination (MT)

Mobile Termination (MT) performs the following functions:

- radio transmission termination;
- radio transmission channel management;
- terminal capabilities, including presentation of a man-machine interface to a user;
- speech encoding/decoding;
- error protection for all information sent across the radio path. This includes FEC (forward error correction) and, for signalling and user data (except for transparent data services), ARQ (automatic request fore transmission);
- flow control of signalling and mapping of user signalling to/from PLMN access signalling;
- flow control of user data (except for transparent data services) and mapping of flow control for asynchronous transparent data services;
- rate adaptation of user data between the radio channel rate and user rates;
- multiple terminal support;
- mobility management.

There are three types of MT:

- MT0 includes functions belonging to the functional group MT, with support of no terminal interfaces;
- MT1 includes functions belonging to the functional group MT, and with an interface that complies with the GSM recommended subset of the ISDN user-network interface specifications;
- MT2 includes functions belonging to the functional group MT, and with an interface that complies with the GSM recommended subset of the ITU-T X or V series interface recommendations.

The MT plus any TE/(TE + TA) constitutes the Mobile Station, MS.

3.3.5.2 Physical Realization

In a GSM PLMN, the reference point Um is a GSM interface point, i.e. it is always implemented as a physical interface The reference points S and R may be optionally implemented as physical interfaces.

3.4 Definitions related to test purpose descriptions

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 "ITU-T Recommendation G.711 [48] A-law"

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 "ITU-T Recommendation G.711 [48] A-law"

BC=UDI: Bearer capability information element with its information transfer capability set to "unrestricted digital information" [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 [58] and H.242 [59]"

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-T standardized rate adaption V.110/X.30", including sync/async and user rate values [1]

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

HLC=videotelephony_ic: High Layer compatibility information element with its high layer characteristics identification field set to "videotelephony (Rec. F.721 [50])" and its extended audiovisual characteristics field set to "capability set of initial channel of ITU-T Recommendation H.221 [58]"

HLC = Facsimile G2/G3: High Layer compatibility information element with its high layer characteristics identification field set to "facsimile group 2/3 (ITU-T Recommendation F.182 [51])"

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

HLC=telex: High Layer compatibility information element with its high layer characteristics identification field set to "telex" [1]

LLC=telematic_term: Low Layer compatibility information element with its user information layer 2 field indicating "ISO/IEC 7776 [53] / DTE-DTE operation" and user information layer 3 field indicating "ISO/IEC 8208 [52]"

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

LLC = V110/X30: Low Layer compatibility information element with its user information layer 1 field indicating "ITU-T standardized rate adaption V.110/X.30" and including sync/async and user rate values [5]

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

SI=NP: Screening Indicator coded as "Network provided" [1]

PI=PR: Presentation Indicator coded as "Presentation restricted" [1]

TON=international: Type of number coded as "international" [1]

TON=unknown: Type of number coded as "unknown" [1]

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

CUG default request: calling user do not include in the outgoing SETUP message a explicit request for the CUG supplementary service [10]

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

CF active: call forwarding (U, B or NR) supplementary service is already activated with the address of user C [15]

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=UDI: Unrestricted Digital Information (UDI); Provides the transfer of unrestricted digital information

GSM-BC= 3,1 kHz (External to the PLMN): used to select a "3,1 kHz audio" interworking function at the MSC. 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: provides the capability to swap between speech and data during a call

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

The access interface at the mobile station for the data portion is assumed to be a standard data interface. Some means shall be provided to select the speech/data capability

Speech followed by Data: provides a speech connection first and then at some time while the call is in progress, the user can switch to a data connection. 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 are described by a number of attributes which are intended to be largely independent. 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): this service provides the transmission of speech information and audible signalling tones of the PSTN/ISDN. 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): this Teleservice allows the connection of ITU-T group 3 fax apparatus (send and/or receive) to the mobile stations of a GSM PLMN. Facsimile connections may be established to/from group 3 apparatus in the PSTN, ISDN or GSM PLMN

Automatic Facs. group 3 (TS 62): this teleservice allows connection of ITU-T group 3 fax apparatus to and from the mobile stations of a GSM PLMN. Facsimile connections may be established to and from group 3 apparatus in the PSTN, ISDN or GSM PLMN

4 Abbreviations

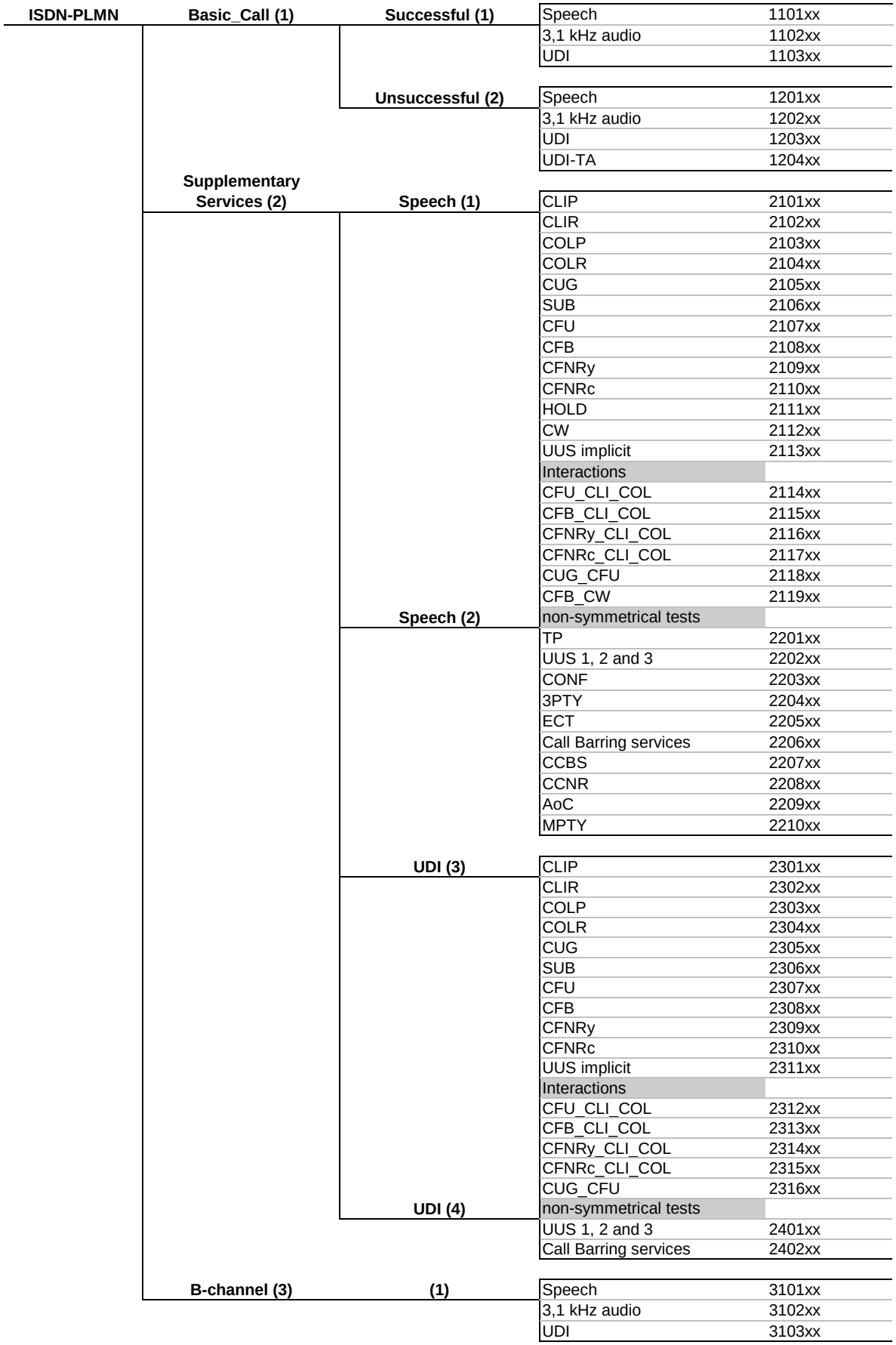
For the purposes of the present document, the following abbreviations apply:

3PTY	Three-party conference
ATS	Abstract Test Suite
BC	Bearer capability information element
BSS	Base Station Sub-system
BSSMAP	BSS Management Part
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
CUG	Closed User Group
CW	Call waiting
ECT	Explicit call transfer
ESR	Eroded Seconds Ratio
FPH	Freephone service
FTAM	File Transfer Access & Management
GMSC	Gateway MSC
GSM	Global System for Mobile Communication
HLC	High layer compatibility information element

HLR	Home Location Register
HPLMN	Home PLMN
IA	Incoming Access
ICB	Incoming Calls Barred within a CUG
IMSI	International Mobile Subscriber Identity
ISDN	Integrated Services Digital Network
ISUP	ISDN User Part
LLC	Low layer compatibility information element
MAP	Mobile Application Part
MCID	Malicious call identification
MS	Mobile Station
MSC	Mobile Switching Center
MSISDN	Mobile Station ISDN number
MT	Mobile Terminated
MTC	Mobile Terminated Call
MTP	Message Transfer Part
NIT	Network Integration Testing
OCB	Outgoing Calls Barred within a CUG
ONP	Open Network Provision
OSI	Open Systems Interconnection
PC	Preferential CUG
PI	Presentation indicator
PIXIT	Protocol Implementation eXtra Information for Testing
PSTN	Public Switched Telephone Network
SI	Screening indicator
SIM	Subscriber Identity Module
SS	Supplementary Service
SUB	Subaddressing
TC	Test Case
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
UDI	Unrestricted digital information
UDI-TA	Unrestricted digital information with tones/announcements
UUS	User-to-user signalling
UUS1	UUS service 1
UUS2	UUS service 2
UUS3	UUS service 3
VLR	Visitor Location Register
VPLMN	Visited PLMN

5 Test Suite Structure (TSS)

5.1 ISDN-PLMN


ISDN-PLMN
Basic_Call (1)
Successful (1)
Speech 1101xx
3,1 kHz audio 1102xx
UDI 1103xx
Unsuccessful (2)
Speech 1201xx
3,1 kHz audio 1202xx
UDI 1203xx
UDI-TA 1204xx
Supplementary Services (2)
Speech (1)
CLIP 2101xx
CLIR 2102xx
COLP 2103xx
COLR 2104xx
CUG 2105xx
SUB 2106xx
CFU 2107xx
CFB 2108xx
CFNRy 2109xx
CFNRc 2110xx
HOLD 2111xx
CW 2112xx
UUS implicit 2113xx
Interactions
CFU_CLI_COL 2114xx
CFB_CLI_COL 2115xx
CFNRy_CLI_COL 2116xx
CFNRc_CLI_COL 2117xx
CUG_CFU 2118xx
CFB_CW 2119xx
Speech (2)
non-symmetrical tests
TP 2201xx
UUS 1, 2 and 3 2202xx
CONF 2203xx
3PTY 2204xx
ECT 2205xx
Call Barring services 2206xx
CCBS 2207xx
CCNR 2208xx
AoC 2209xx
MPTY 2210xx
UDI (3)
CLIP 2301xx
CLIR 2302xx
COLP 2303xx
COLR 2304xx
CUG 2305xx
SUB 2306xx
CFU 2307xx
CFB 2308xx
CFNRy 2309xx
CFNRc 2310xx
UUS implicit 2311xx
Interactions
CFU_CLI_COL 2312xx
CFB_CLI_COL 2313xx
CFNRy_CLI_COL 2314xx
CFNRc_CLI_COL 2315xx
CUG_CFU 2316xx
UDI (4)
non-symmetrical tests
UUS 1, 2 and 3 2401xx
Call Barring services 2402xx
B-channel (3)
(1)
Speech 3101xx
3,1 kHz audio 3102xx
UDI 3103xx

5.2 PSTN-PLMN

PSTN-PLMN	**Basic_Call (4)**	**Successful (1)**		4101xx
		Unsuccessful (2)		4201xx
	Supplementary Services (5)	**(1)**	CLIP	5101xx
			CLIR	5102xx
			CUG	5103xx
			CFU	5104xx
			CFB	5105xx
			CFNRy	5106xx
			CFNRc	5107xx
		(2)	non-symmetrical tests	
			Call Barring services	5201xx
			MPTY	5202xx
	B-channel (6)	**(1)**		6101xx

5.3 PLMN-ISDN

PLMN-ISDN	Basic_Call (7)	Successful (1)	Speech	7101xx
			3,1 kHz audio ex PLMN	7102xx
			UDI	7103xx
			Facsimile G3	7104xx
			Alternate speech and facsimile group 3	7105xx
			Alternate Speech/Data	7106xx
			Speech followed by data	7107xx
			Emergency Calls	7108xx
		Unsuccessful (2)	Speech	7201xx
			3,1 kHz audio ex PLMN	7202xx
			UDI	7203xx
			Facsimile G3	7204xx
			Alternate speech and facsimile group 3	7205xx
			Emergency Calls	7206xx
	Supplementary Services (8)	Speech (1)	CLIP	8101xx
			CLIR	8102xx
			COLP	8103xx
			COLR	8104xx
			CUG	8105xx
			SUB	8106xx
			CFU	8107xx
			CFB	8108xx
			CFNR	8109xx
			HOLD	8110xx
			CW	8111xx
			UUS 1 implicit	8112xx
		Speech (2)	non-symmetrical tests	
			TP	8201xx
			MCID	8202xx
			MPTY	8203xx
			ECT	8204xx
			CD	8205xx
			Call Barring services	8206xx
			CONF	8207xx
			3PTY	8208xx
		UDI (3)	CLIP	8301xx
			CLIR	8302xx
			COLP	8303xx
			COLR	8304xx
			CUG	8305xx
			SUB	8306xx
			CFU	8307xx
			CFB	8308xx
			CFNR	8309xx
			UUS 1 implicit	8310xx
		UDI (4)	non-symmetrical tests	
			Call Barring services	8401xx
			CD	8402xx
	B-channel (9)	(1)	Speech	9101xx
			3,1 kHz audio ex PLMN	9102xx
			UDI	9103xx

5.4 PLMN-PSTN

PLMN-PSTN	Basic_Call (10)	Successful (1)	Speech	10101xx
			3,1 kHz audio ex PLMN	10102xx
			Facsimile G3	10103xx
			Alternate speech and facsimile group 3	10104xx
			Emergency Calls	10105xx
		Unsuccessful (2)	Speech	10201xx
			3,1 kHz audio	10202xx
			Facsimile G3	10203xx
			Alternate speech and facsimile group 3	10204xx
			UDI	10205xx
			Emergency Calls	10206xx
	Supplementary Services (11)	Speech (1)	CLIP	11101xx
			CLIR	11102xx
			COLR	11103xx
			CUG	11104xx
			CFU	11105xx
			CFB	11106xx
			CFNR	11107xx
		Speech (2)	non-symmetrical tests	
			MCID	11201xx
			MPTY	11202xx
			Call barring services	11203xx
	B-channel (12)	(1)	Speech	12101xx
			3,1 kHz audio ex PLMN	12102xx
			Facsimile G3	12103xx
			Alternate speech and facsimile group 3	12104xx
			Speech followed by data	12105xx
			Emergency Calls	12106xx

5.5 PLMN-PLMN

PLMN-PLMN	Basic_Call (13)	Successful (1)	Speech	13101xx
			3,1 kHz audio ex PLMN	13102xx
			UDI	13103xx
			Facsimile G3	13104xx
			Alternate speech and facsimile group 3	13105xx
			Alternate Speech/Data	13106xx
			Speech followed by data	13107xx
			Short message service	13108xx
		Unsuccessful (2)	Speech	13201xx
			3,1 kHz audio ex PLMN	13202xx
			UDI	13203xx
			Facsimile G3	13204xx
			Alternate speech and facsimile group 3	13205xx
	Supplementary Services (14)	Speech (1)	CLIP	14101xx
			CLIR	14102xx
			COLP	14103xx
			COLR	14104xx
			CUG	14105xx
			SUB	14106xx
			CFU	14107xx
			CFB	14108xx
			CFNRy	14109xx
			CFNRc	14110xx
			HOLD	14111xx
			CW	14112xx
			UUS 1 implicit	14113xx
			MPTY	14114xx
			Call Barring services	14115xx
			Interactions	
			CUG_CFU	14116xx
			CFB_CW	14117xx
		UDI (2)	CLIP	14201xx
			CLIR	14202xx
			COLP	14203xx
			COLR	14204xx
			CUG	14205xx
			SUB	14206xx
			CFU	14207xx
			CFB	14208xx
			CFNRy	14209xx
			CFNRc	14210xx
			UUS 1 implicit	14211xx
			Call Barring services	14212xx
			Interactions	
			CUG_CFU	14213xx
	B-channel (15)	(1)	Speech	15101xx
			3,1 kHz audio ex PLMN	15102xx
			UDI	15103xx

NOTE: Numbers in brackets represent group/subgroup numbers and are used in Test Purpose identifiers.

6 Test Purposes

6.1 Introduction

For each test requirement a Test Purpose is defined.

6.1.1 Test purpose naming convention

The Test Purposes are identified by a six or seven figure numbering scheme were the first figure (or both the first and the second figures) identifies the Test Group, followed by a three figure number for

subgroup and a two figures serial number, starting at 01, within each group/subgroup. Groups are organized according to the TSS. See table 1 below.

Table 1: Test Purpose Identifier naming convention scheme

Identifier: TC **<Test group > <Sub group> <nn>**

<Test group>: 1 or 2 digit field representing group reference according to TSS

1 = ISDN-PLMN/Basic_call

2 = ISDN-PLMN/Supplementary_services

3 = ISDN-PLMN/B-channel

4 = PSTN-PLMN/Basic_call

5 = PSTN-PLMN/Supplementary_services

6 = PSTN-PLMN/B-channel

7 = PLMN-ISDN/Basic_call

8 = PLMN-ISDN/Supplementary_services

9 = PLMN-ISDN/B-channel

10 = PLMN-PSTN/Basic_call

11 = PLMN-PSTN/Supplementary_services

12 = PLMN-PSTN/B-channel

13 = PLMN-PLMN/Basic_call

14 = PLMN-PLMN/Supplementary_services

15 = PLMN-PLMN/B-channel

<Subgroup>: 3 digit field representing sub group reference according to TSS

<nn> = sequential number (01-99)

6.1.2 Source of test purpose definition

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

The Test Purposes for PLMN are based on ETS 300 557 [35] (GSM 04.08), ETS 300 599 [41] (GSM 09.02), ETS 300 604 [42] (GSM 09.07) and the applicable standards for supplementary services.

6.1.3 Test purpose structure

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

Table 2: Format of a single Test Purpose for ISDN/PSTN -PLMN tests

Identifier	**ISDN or PSTN ref. to:**	**PLMN ref. to:**
TSS reference:	Test Suite Structure reference	
ISDN or PSTN selection criteria:	The criteria necessary in order to select the ISDN test	
PLMN selection criteria:	The criteria necessary in order to select the PLMN test	
Test purpose:	Description of the test purpose	
ISDN or PSTN Parameter values:	Values of parameters used for the ISDN or PSTN test execution.	
PLMN Parameter values:	Values of parameters used for the PLMN test execution.	
Comments:	Any relevant comments and reference	

Table 3: Format of a single Test Purpose for PLMN-PLMN tests

Identifier	**PLMN ref. to:**	
TSS reference:	Test Suite Structure reference	
PLMN selection criteria orign.:	The criteria necessary in order to select the PLMN orign. Test	
PLMN selection criteria term.:	The criteria necessary in order to select the PLMN dest. Test	
Test purpose:	Description of the test purpose	
PLMN parameter values orign.:	Values of parameters used for the PLMN orign. test execution.	
PLMN parameter values term.:	Values of parameters used for the PLMN term. test execution.	
Comments:	Any relevant comments and reference	

6.2 Test Purposes

6.2.1 Test purposes for ISDN-PLMN, Basic call

6.2.1.1 Successful

Successful
Speech

110101	**ISDN ref. to:** **EN 300 403-1 [1],** **subclause 5.1.5.1**	**PLMN ref. to:** **ETS 300 557 [35], subclause 5.2.2** **ETS 300 604 [42], subclause 10.2.2**
TSS reference:	ISDN-PLMN/Basic_call/Successful/Speech/TC110101	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that call establishment using en-bloc sending is performed correctly.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values:	GSM-BC=speech, no HLC	
Comments:		

110102	ISDN ref. to: **EN 300 403-1 [1],** **subclause 5.1.5.2**	PLMN ref. to: **ETS 300 557 [35], subclause 5.2.2** **ETS 300 604 [42], subclause 10.2.2**
TSS reference:	ISDN-PLMN/Basic_call/Successful/Speech/TC110102	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that call establishment using overlap sending is performed correctly.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values	GSM-BC=speech, no HLC	
Comments:		

110103	ISDN ref. to: **EN 300 403-1 [1],** **subclause 5.3.3**	PLMN ref. to: **ETS 300 557 [35], subclause 5.2.2** **ETS 300 604 [42], subclause 10.2.2**
TSS reference:	ISDN-PLMN/Basic_call/Successful/Speech/TC110103	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that the call clearing procedure is performed correctly when the calling user clears after answer.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values	GSM-BC=speech, no HLC	
Comments:		

110104	ISDN ref. To: **EN 300 403-1 [1],** **subclause 5.3.3**	PLMN ref. to: **ETS 300 557 [35], subclause 5.2.2** **ETS 300 604 [42], subclause 10.2.2**
TSS reference:	ISDN-PLMN/Basic_call/Successful/Speech/TC110104	
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 answer.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values	GSM-BC=speech, no HLC	
Comments:		

110105	ISDN ref. to: **EN 300 403-1 [1],** **subclause 4.5.17** **TBR 8 [22], subclause 5.1.3,** **EG 201 018 [2], subclause 6.3.1**	PLMN ref. to: **ETS 300 557 [35], subclause 5.2.2** **ETS 300 604 [42], subclause 10.2.2** **ETS 300 582 [40], subclause B.2.8**
TSS reference:	ISDN-PLMN/Basic_call/Successful/Speech/TC110105	
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.	
ISDN parameter values:	BC=speech, HLC = telephony	
PLMN parameter values	GSM-BC=speech, HLC = telephony	
Comments:		

Successful
3,1 kHz audio

110201	**ISDN ref. to:** **EN 300 403-1 [1],** **subclause 5.1.5.1**	**PLMN ref. to:** **ETS 300 557 [35], subclause 5.2.2** **ETS 300 604 [42], subclause 10.2.2**
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110201	
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 en-bloc sending and the call clearing procedure is performed correctly when the calling user clears after answer.	
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	

110202	**ISDN ref. to:** **EN 300 403-1 [1], subclause 5.1.5.1**	PLMN ref. to: **ETS 300 557 [35], subclause 5.2.2** **ETS 300 604 [42], subclause 9.2.2, 10.2.2**
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110202	
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 answer.	
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	

110203	ISDN ref. To: **EN 300 403-1 [1],** **subclause 5.1.5.2**	PLMN ref. to: **ETS 300 557 [35], subclause 5.2.2** **ETS 300 604 [42], subclause 10.2.2**
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110203	
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 answer.	
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	

110204	**ISDN ref. to:** **EN 300 403-1 [1],** **subclause 5.1.5.2**	**PLMN ref. to:** **ETS 300 557 [35], subclause 5.2.2** **ETS 300 604 [42], subclause 9.2.2,** **subclause 10.2.2**
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110204	
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.	
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	

110205	ISDN ref. to: EN 300 403-1 [1], subclause 5.1.6	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2.4, subclause 10.5.4.21 ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110205	
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.	

110206	ISDN ref. to: EN 300 403-1 [1], subclause 5.1.6	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2.4, subclause 10.5.4.21 ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110206	
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).	
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:		

110207	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.17	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.10
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110207	
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.	
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:		

110208	ISDN ref. to: **EN 300 403-1 [1], subclause 4.5.17**	PLMN ref. to: **ETS 300 557 [35], subclause 5.2.2** **ETS 300 604 [42], subclause 10.2.2, case 3 in HLR, case 5 in VMSC)** **ETS 300 582 [40], subclause B.2.11**
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110208	
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.	
ISDN parameter values:	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
PLMN parameter values:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

110209	**ISDN ref. to:** **EN 300 403-1 [1], subclause 4.5.17**	**PLMN ref. to:** **ETS 300 557 [35], subclause 5.2.2** **ETS 300 604 [42], subclause 10.2.2** **ETS 300 582 [40], subclause B.2.10**
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110209	
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).	
ISDN Parameter values:	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
PLMN Parameter values	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

110210	**ISDN ref. to:** **EN 300 403-1 [1], subclause 4.5.18**	**PLMN ref. to:** **ETS 300 557 [35], subclause 5.2.2** **ETS 300 604 [42], subclause 10.2.2** **ETS 300 582 [40], subclause B.1.3**
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110210	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 31	
Test purpose:	Support of voice band data via modem. Ensure that the BC=3,1 kHz audio, voice band data via modem, synchronous, user rate 1,2 kbit/s is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, no LLC.	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations. According ETS 300 102-1 [46] subclause 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-T standardized rate adaption V.110/X.30 or V.120 [54].	

110211	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.5	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110211	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 32	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s, no LLC	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations. According ETS 300 102-1 [46] subclause 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-T standardized rate adaption V.110/X.30 or V.120 [54].	

110212	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.18	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110212	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 33	
Test purpose:	Support of voice band data via modem. Ensure that the BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, no LLC	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 4,8 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations. According ETS 300 102-1 [46] subclause 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-T standardized rate adaption V.110/X.30 or V.120 [54].	

110213	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.5	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110213	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 34	
Test purpose:	Support of voice band data via modem. Ensure that the BC =3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, no LLC	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 9,6 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations. According ETS 300 102-1 [46] subclause 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-T standardized rate adaption V.110/X.30 or V.120 [54].	

110214	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.18	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.3
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110214	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 31	
Test purpose:	Support of voice band data via modem. Ensure that the BC=3,1 kHz audio information is correctly mapped and the LLC= 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
Comments:		

110215	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.18	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110215	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 32	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio information is correctly mapped to the called user and the LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s, LLC =3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s	
Comments:		

110216	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.18	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110216	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 33	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio information is correctly mapped to the called user and the LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s information is correctly delivered to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, LLC =3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s	
Comments:		

110217	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.18	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110217	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 34	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio is correctly mapped to the called user and the LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC = 3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, LLC =3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s	
Comments:		

110218	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.18	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.3
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110218	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 31	
Test purpose:	Support of voice band data via modem: Ensure that the BC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s and LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s is correctly mapped to the called user.	
ISDN parameter values:	BC=LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations. According ETS 300 102-1 [46] subclause 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-T standardized rate adaption V.110/X.30 or V.120 [54].	

110219	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.18	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110219	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 32	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s is correctly mapped and the LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC= LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s, LLC =3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations. According ETS 300 102-1 [46] subclause 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-T standardized rate adaption V.110/X.30 or V.120 [54].	

110220	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.18	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110220	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 33	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s is correctly mapped and the LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC = LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, LLC =3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations. According ETS 300 102-1 [46] subclause 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-T standardized rate adaption V.110/X.30 or V.120 [54].	

110221	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.18	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110221	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 34	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio voice band data via modem, synchronous mode, user rate 9,6 kbit/s is correctly mapped and the LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC = LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, LLC =3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s	
Comments:		

110222	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.5	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110222	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 21	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s, no LLC	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations. According ETS 300 102-1 [46] subclause 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-T standardized rate adaption V.110/X.30 or V.120 [54].	

110223	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.5	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110223	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 22	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, no LLC	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations. According ETS 300 102-1 [46] subclause 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-T standardized rate adaption V.110/X.30 or V.120 [54].	

110224	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.5	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110224	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 24	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s, no LLC	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations. According ETS 300 102-1 [46] subclause 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-T standardized rate adaption V.110/X.30 or V.120 [54].	

110225	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.18	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110225	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 25	
Test purpose:	Support of voice band data via modem. Ensure that the BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, no LLC	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations. According ETS 300 102-1 [46] subclause 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-T standardized rate adaption V.110/X.30 or V.120 [54].	

110226	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.5	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110226	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 26	
Test purpose:	Support of voice band data via modem. Ensure that the BC =3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, no LLC	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations. According ETS 300 102-1 [46] subclause 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-T standardized rate adaption V.110/X.30 or V.120 [54].	

110227	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.18	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110227	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 21	
Test purpose:	Support of voice band data via modem. Ensure that the BC =3,1 kHz audio information is correctly mapped to the called user and the LLC= 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 0,3 kbit/s, LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s	
Comments:		

110228	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.18	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110228	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, BS 22 asynchronous mode	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio information is correctly mapped to the called user and the LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC =3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
Comments:		

110229	ISDN ref. to: EN 300 403-1 [1], subclause 4.5.18	PLMN ref. to: ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110229	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 24	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio information is correctly mapped to the called user and the LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s, LLC =3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s	
Comments:		

110230	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.18	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110230	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 25	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio information is correctly mapped to the called user and the LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s information is correctly delivered to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, LLC =3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s	
Comments:		

110231	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.18	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110231	
ISDN selection criteria:	Bearer service 3,1 kHz audio, voice band data via modem	
PLMN selection criteria:	Audio, asynchronous mode, BS 26	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio is correctly mapped to the called user and the LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC = 3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, LLC =3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s	
Comments:		

110232	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.18	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110232	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 21	
Test purpose:	Support of voice band data via modem. Ensure that the BC =3,1 kHz, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s audio is correctly mapped and the LLC= 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC= LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s, LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations. According ETS 300 102-1 [46] subclause 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-T standardized rate adaption V.110/X.30 or V.120 [54].	

110233	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.18	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110233	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 22	
Test purpose:	Support of voice band data via modem. Ensure that the BC =3,1 kHz, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s audio is correctly mapped and the LLC= 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC= LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations. According ETS 300 102-1 [46] subclause 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-T standardized rate adaption V.110/X.30 or V.120 [54].	

110234	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.18	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110234	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 24	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s is correctly mapped and the LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC= LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s, LLC =3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations. According ETS 300 102-1 [46] subclause 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-T standardized rate adaption V.110/X.30 or V.120 [54].	

110235	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.18	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110235	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 25	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s is correctly mapped and the LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC = LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, LLC =3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations. According ETS 300 102-1 [46] subclause 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-T standardized rate adaption V.110/X.30 or V.120 [54].	

110236	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.18	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110236	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 26	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio voice band data via modem, asynchronous mode, user rate 9,6 kbit/s is correctly mapped and the LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC = LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, LLC =3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s	
Comments:	The test is not applicable for ETS 300 102-1 [46] implementations. According ETS 300 102-1 [46] subclause 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-T standardized rate adaption V.110/X.30 or V.120 [54].	

110237	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1.5.1	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/3,1 kHz audio/TC110237	
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.	
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	

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110301	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1.5.1	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110301	
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 en-bloc sending and the call clearing procedure is performed correctly when the calling user clears after answer.	
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	

110302	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1.5.1	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110302	
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.	
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	

110303	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1.5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110303	
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.	
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	

110304	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1.5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110304	
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.	
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	

110305	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.1.3
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110305	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 31	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC= UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s is correctly mapped to the called user.	
ISDN parameter values:	BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s, no LLC	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s, no LLC	
Comments:		

110306	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110306	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 32	
Test purpose:	Support of terminal adapters V.110/X.30.Ensure that the BC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s information is correctly mapped to the called user.	
ISDN parameter values:	BC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s, no LLC	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s, no LLC	
Comments:		

110307	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110307	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 33	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC = UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s information is correctly mapped to the called user.	
ISDN parameter values:	BC = UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s, no LLC	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s, no LLC	
Comments:		

110308	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110308	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 34	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s information is correctly mapped to the called user.	
ISDN parameter values:	BC = UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s, no LLC	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s, no LLC	
Comments:		

110309	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5 , subclause 4.5.18	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.3
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110309	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 31	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC=UDI is correctly mapped and the LLC=UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC= UDI, LLC=UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s	
Comments:		

110310	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.18 ETS 300 103 [5], Annex I, EG 201 018 [2], subclause 7.1.1	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110310	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 32	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC = UDI is correctly mapped and the LLC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s information is correctly delivered to the called user.	
ISDN parameter values:	BC = UDI, LLC=UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s	
Comments:		

110311	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.18 ETS 300 103 [5], Annex I, EG 201 018 [2], subclause 7.1.1	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110311	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 33	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC = UDI is correctly mapped and the LLC = UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s information is correctly delivered to the called user.	
ISDN parameter values:	BC = UDI, LLC=UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s	
Comments:		

110312	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.18	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110312	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 34	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC = UDI information is correctly mapped and the LLC = UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC = UDI, LLC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s LLC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s	
Comments:		

110313	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5 , subclause 4.5.18	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.3
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110313	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 31	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC=UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s is correctly mapped and the LLC=UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=LLC=UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s	
Comments:		

110314	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 4.5.18	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110314	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 32	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC=UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s is correctly mapped and the LLC=UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=LLC=UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s LLC=UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s	
Comments:		

110315	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 4.5.18	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110315	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 33	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC=UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s is correctly mapped and the LLC=UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=LLC=UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s LLC=UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s	
Comments:		

110316	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 4.5.18	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110316	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 34	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that BC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s and LLC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s is transported transparently through the network and correctly delivered to the called user.	
ISDN parameter values:	BC=LLC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s	
PLMN parameter values:	GSM-BC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s	
Comments:		

110317	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.1.3
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110317	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 21	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC= UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s is correctly mapped to the called user.	
ISDN parameter values:	BC = UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s, no LLC	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s, no LLC	
Comments:		

110318	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110318	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 22	
Test purpose:	Support of terminal adapters V.110/X.30.Ensure that the BC = UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s information is correctly mapped to the called user.	
ISDN parameter values:	BC = UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s, no LLC	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s, no LLC	
Comments:		

110319	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110319	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 24	
Test purpose:	Support of terminal adapters V.110/X.30.Ensure that the BC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s information is correctly mapped to the called user.	
ISDN parameter values:	BC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s, no LLC	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s, no LLC	
Comments:		

110320	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110320	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 25	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s information is correctly mapped to the called user.	
ISDN parameter values:	BC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s, no LLC	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s, no LLC	
Comments:		

110321	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.1.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110321	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 26	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC=UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s information is correctly mapped to the called user.	
ISDN parameter values:	BC = UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s, no LLC	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s, no LLC	
Comments:		

110322	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.18 ETS 300 103 [5], Annex I, EG 201 018 [2], subclause 7.1.1	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110322	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 21	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC = UDI is correctly mapped and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s information is correctly delivered to the called user.	
ISDN parameter values:	BC = UDI, LLC=UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s	
Comments:		

110323	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.18 ETS 300 103 [5], Annex I, EG 201 018 [2], subclause 7.1.1	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110323	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 22	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC = UDI is correctly mapped and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s information is correctly delivered to the called user.	
ISDN parameter values:	BC = UDI, LLC=UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s	
Comments:		

110324	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.18 ETS 300 103 [5], Annex I, EG 201 018 [2], subclause 7.1.1	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110324	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 24	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC = UDI is correctly mapped and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s information is correctly delivered to the called user.	
ISDN parameter values:	BC = UDI, LLC=UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s	
Comments:		

110325	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.18 ETS 300 103 [5], Annex I, EG 201 018 [2], subclause 7.1.1	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110325	
ISDN selection criteria:	Bearer service UDI, V.110/X.30 rate adaption	
PLMN selection criteria:	UDI, asynchronous mode, BS 25	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC = UDI is correctly mapped and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s information is correctly delivered to the called user.	
ISDN parameter values:	BC = UDI, LLC=UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s	
Comments:		

110326	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.18	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110326	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 26	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC = UDI information is correctly mapped and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC = UDI, LLC=UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s LLC=UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s	
Comments:		

110327	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 4.5.18	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110327	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 21	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC=UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s is correctly mapped and the LLC=UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=LLC=UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s LLC=UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s	
Comments:		

110328	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 4.5.18	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110328	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 22	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC=UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s is correctly mapped and the LLC=UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=LLC=UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s LLC=UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s	
Comments:		

110329	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 4.5.18	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110329	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 24	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC=UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s is correctly mapped and the LLC=UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=LLC=UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s LLC=UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s	
Comments:		

110330	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 4.5.18	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110330	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 25	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC=UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s is correctly mapped and the LLC=UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=LLC=UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s LLC=UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s	
Comments:		

110331	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 4.5.18	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], subclause B.2.2
TSS reference:	ISDN-PLMN/Basic_call/Successful/UDI/TC110331	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 26	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that BC=UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s and LLC=UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s is transported transparently through the network and correctly delivered to the called user.	
ISDN parameter values:	BC=LLC=UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s	
PLMN parameter values:	GSM-BC=UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s	
Comments:		

6.2.1.2 Unsuccessful

Unsuccessful
Speech

120101	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1.4, subclause 5.3, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.1 ETS 300 599 [41], subclause 18.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/Speech/TC120101	
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 a RELEASE COMPLETE or DISCONNECT message indicating cause value #1 "unassigned number".	
ISDN parameter values:	BC=speech	
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 Q.764 [43] subclause 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.	

120102	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1.4, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.1 ETS 300 599 [41], subclause 18.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/Speech/TC120102	
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.	

120103	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.subclause 5.1, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/Speech/TC120103	
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.	

120104	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.subclause 5.1, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/Speech/TC120104	
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.	

120105	**ISDN ref. to:** ETS 300 102- 1 subclause 5.2.5.4, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.7 ETS 300 599 [41], subclause 18.2, subclause 18.3.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/Speech/TC120105	
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 #20 "Subscriber absent".	
ISDN parameter values:	BC=speech	
PLMN parameter values:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value # 20.	

120106	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.5.4, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.8
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/Speech/TC120106	
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".	
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.	

120107	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1.9, subclause 5.3.2, Annex M	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2.3.1, Annex H.1.9
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/Speech/TC120107	
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".	
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.	

120108	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1.4, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.1 ETS 300 599 [41], subclause 18.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/Speech/TC120108	
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.	

120109	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.2, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex B.3.2, Annex H 5.3
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/Speech/TC120109	
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.	

120110	**ISDN ref. to:** EN 300 403-1 [1], Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.5
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/Speech/TC120110	
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:		

120111	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.subclause 5.1, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6 ETS 300 511 [28], subclause 4.4.2.3
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/Speech/TC120111	
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".	
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

120201	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1.4 , subclause 5.3, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.1 ETS 300 599 [41], subclause 18.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio/TC120201	
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 Q.764 [43] subclause 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.	

120202	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1.4, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.1 ETS 300 599 [41], subclause 18.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio/TC120202	
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.	

120203	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.subclause 5.1, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H 1.6
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio/TC120203	
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.	

120204	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.subclause 5.1, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H 1.6
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio/TC120204	
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.	

120205	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 5.1, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H 1.6
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio/TC120205	
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.	

120206	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.5.4, Annex M	**PLMN ref. to:** ETS 300 646 ETS 300 599 [41], 18.2, 18.3.2 ETS 300 557 [35], Annex H.1.7
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio/TC120206	
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 #20 "Subscriber absent".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	NOTE:Some PLMNs provide announcements instead of sending cause value # 20.	

120207	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.5.4, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.8
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio/TC120207	
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	

120208	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.5.4, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.8
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio/TC120208	
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.	

120209	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1.9, subclause 5.3.2, Annex M	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2.3.1, Annex H.1.9
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio/TC120209	
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.	

120210	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1.9, subclause 5.3.2, Annex M	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2.3.1, Annex H.1.9
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio/TC120210	
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.	

120211	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1.4, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.1 ETS 300 599 [41], subclause 18.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio/TC120211	
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.	

120212	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.2, Annex M	**PLMN ref. to:** 300 557, Annex B.3.2, Annex H 5.3
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio/TC120212	
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.	

120213	**ISDN ref. to:** EN 300 403-1 [1], Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.5
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio/TC120213	
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:		

120214	**ISDN ref. to:** EN 300 403-1 [1], Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.5
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio/TC120214	
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.	

120215	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1, Annex M	**PLMN ref. to:** ETS 300 557 [35],Annex H 1.6
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio/TC120215	
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").	

120216	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H 1.6
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio/TC120216	
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").	

120217	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H 1.6
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio/TC120217	
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 [46] implementations. According ETS 300 102-1 [46] subclause 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-T standardized rate adaption V.110/X.30 or V.120 [54]. EDITORS NOTE 1: 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	

120218	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H 1.6
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio/TC120218	
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:	EDITORS NOTE 1: 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

120301	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1.4, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.1
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120301	
ISDN selection criteria:	Bearer service UDI	
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=UDI	
PLMN parameter values:		
Comments:		

120302	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1.4, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.1
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120302	
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:		

120303	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1, Annex M	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2.3.1, Annex H.1.6
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120303	
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	

120304	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1, Annex M	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2.3.1, Annex H.1.6
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120304	
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=UDI	
PLMN parameter values:		
Comments:		

120305	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1, Annex M	**PLMN ref. to:** ETS 300 599 [41], subclause 18.2, subclause 18.3.2 ETS 300 557 [35], subclause H.1.7
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120305	
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 #20 "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".	

120306	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.8
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120306	
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	

120307	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1, Annex M	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2.3.1, Annex H.1.9
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120307	
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 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	

120308	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1.4, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.1 ETS 300 599 [41], subclause 18.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120308	
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:		

120309	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.2	**PLMN ref. to:** ETS 300 557 [35], AnnexB.3.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120309	
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	

120310	**ISDN ref. to:** EN 300 403-1 [1], Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.5
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120310	
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	

120311	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.17	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2.3.1, B.4; Annex H.5.3 ETS 300 582 [40], Annex B2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120311	
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. EDITORS NOTE 2: 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".	

120312	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.17, subclause 4.5.19 ETS 300 080 [4], subclause 4.5.2.1, EG 201 018 [2], subclause 6.3.2	**PLMN ref. to:** ETS 300 557 [35] Annex H ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120312	
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:	EDITORS NOTE 1: 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.	

120313	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.17 EG 201 018 [2], subclause 7.1.3	**PLMN ref. to:** ETS 300 557 [35] Annex H ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120313	
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:	EDITORS NOTE 1: 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.	

120314	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.17	**PLMN ref. to:** ETS 300 557 [35] Annex H ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120314	
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:	EDITORS NOTE 1: 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.	

120315	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.17 EG 201 018 [2], subclause 7.1.3	**PLMN ref. to:** ETS 300 557 [35], Annex H ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120315	
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:	EDITORS NOTE 1: 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.	

120316	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.17 ETS 300 080 [4], subclause 4.5.2.1	**PLMN ref. to:** ETS 300 557 [35], Annex H ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120316	
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:	EDITORS NOTE 1: 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.	

120317	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.17	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2.3.1, Annex B.4; H.5.3 ETS 300 582 [40], Annex B2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120317	
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. EDITORS NOTE 2: 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".	

120318	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.17 ETS 300 080 [4], subclause 4.5.2.1	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2.3.1, B.4; Annex H.5.3 ETS 300 582 [40], Annex B2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120318	
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. EDITORS NOTE 2: 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".	

120319	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.17 ETS 300 080 [4], subclause 4.5.2.1	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2.3.1, Annex B.4, H.5.3 ETS 300 582 [40], Annex B2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120319	
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. EDITORS NOTE 2: 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".	

120320	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.17 ETS 300 267-1 [3], subclause 7	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2.3.1, Annex B.4, H.5.3 ETS 300 582 [40], Annex B2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120320	
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. EDITORS NOTE 2: 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".	

120321	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], Annex H ETS 300 604 [42], Table 6B-09.07 General notes 1
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120321	
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:	EDITORS NOTE 1: 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.	

120322	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.19 ETS 300 103 [5], Annex I, EG 201 018 [2], subclause 7.1.1	**PLMN ref. to:** ETS 300 557 [35], Annex H ETS 300 604 [42], Table 6B-09.07 General notes 1
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120322	
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:	EDITORS NOTE 1: 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.	

110323	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], Annex H ETS 300 604 [42], Table 6B-09.07 General notes 1
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC110323	
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:		

120324	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.19 ETS 300 103 [5], Annex I ETR 018, 7.1.1	**PLMN ref. to:** ETS 300 557 [35], Annex H ETS 300 604 [42], Table 6B-09.07 General notes 1
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120324	
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:	EDITORS NOTE 1: 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.	

120325	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 4.5.19	**PLMN ref. to:** ETS 300 557 [35], Annex H ETS 300 604 [42], Table 6B-09.07 General notes 1
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120325	
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:	EDITORS NOTE 1: 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.	

120326	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.17, subclause 4.5.19 EG 201 018 [2], subclause 7.1.3	**PLMN ref. to:** ETS 300 557 [35], Annex H ETS 300 604 [42], Table 6B-09.07 General notes 1
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120326	
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:	EDITORS NOTE 1: 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.	

120327	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.17, subclause 4.5.19, EG 201 018 [2], subclause 6.3.7	**PLMN ref. to:** ETS 300 557 [35], Annex H ETS 300 604 [42], 102.2, Table 6B-09.07
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120327	
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:	EDITORS NOTE 1: 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.	

120328	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.17, subclause 4.5.19 EG 201 018 [2], subclause 6.3.8	**PLMN ref. to:** ETS 300 557 [35], Annex H ETS 300 604 [42], 102.2, Table 6B-09.07
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120328	
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:	EDITORS NOTE 1: 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.	

120329	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1, Annex M	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2.3.1, Annex H.1.6
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI/TC120329	
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

120401	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1.5.1	**PLMN ref. to:** ETS 300 557 [35] Annex H, ETS 300 604 [42], subclause 10.2.2
TSS reference:	ISDN-PLMN/Basic_call/Unsuccessful/UDI-TA/TC120401	
ISDN selection criteria:	Bearer service UDI/TA	
PLMN 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=UDI/TA, no HLC	
PLMN parameter values:		
Comments:		

6.2.2 Test purposes for ISDN-PLMN Supplementary services

6.2.2.1 Bearer capability "speech"

Supplementary_services
Speech

210101	**ISDN ref. to:** ETS 300 092-1 [6], subclause 9.3, EN 300 403-1 [1], subclause 4.5.10, subclause 4.5.11	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.9 ETS 300 565 [36]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CLIP/TC210101	
ISDN selection criteria:	CLIP	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that when Calling party number is provided by the calling user, Type of number "subscriber number", with Calling party subaddress, the Calling party number and Calling party subaddress information elements are correctly delivered to the called (served) user.	
ISDN parameter values:	BC=speech, Calling party number: PI=PA SI=UPVP, TON=subscriber number Calling party subaddress	
PLMN parameter values:	GSM-BC=speech, Calling party number: PI=PA, SI=UPVP, TON= national / international number NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25]) Calling party subaddress	
Comments:		

210102	**ISDN ref. to:** ETS 300 092-1 [6] subclause 9.3 EN 300 403-1 [1], subclause 4.5.10, subclause 4.5.11	**PLMN ref. to:** ETS 300 557 [35], 10.5.4.9 ETS 300 542 [57], subclause 1 ETS 300 565 [36], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CLIP/TC210102	
ISDN selection criteria:	CLIP	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that when Calling party number is provided by the calling user, Type of number "national number", with Calling party subaddress, the Calling party number and Calling party subaddress information elements are correctly delivered to the called (served) user.	
ISDN parameter values:	BC=speech, Calling party number: PI=PA, SI=UPVP, TON= national number Calling party subaddress	
PLMN parameter values:	GSM-BC=speech, Calling party number: PI=PA SI=UPVP, TON= national / international number NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25]) Calling party subaddress	
Comments:		

210103	**ISDN ref. to:** ETS 300 092-1 [6], subclause 9.3 EN 300 403-1 [1], subclause 4.5.10, subclause 4.5.11	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.9 ETS 300 542 [57], subclause 1 ETS 300 565 [36], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CLIP/TC210103	
ISDN selection criteria:	CLIP	
PLMN 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 "international number", 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=speech, Calling party number: PI=PA, SI=UPVP, TON=international number Calling party subaddress	
PLMN parameter values:	GSM-BC=speech, Calling party number: PI=PA, SI=UPVP, TON= national / international number NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25]) Calling party subaddress	
Comments:		

210104	**ISDN ref. to:** ETS 300 092-1 [6] subclause 9.3 EN 300 403-1 [1], subclause 4.5.10, subclause 4.5.11	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.9, 10.5.4.10 ETS 300 542 [57], subclause 1, ETS 300 565 [36], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CLIP/TC210104	
ISDN selection criteria:	CLIP	
PLMN 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 "unknown", 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=speech, Calling party number: PI=PA SI=UPVP, TON=unknown Calling party subaddress	
PLMN parameter values:	GSM-BC=speech, Calling party number: SI=UPVP, TON= national / international number NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25]) Calling party subaddress	
Comments:		

210105	**ISDN ref. to:** ETS 300 092-1 [6], subclause 9.3 EN 300 403-1 [1], subclause 4.5.10	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.9, 10.5.4.10 ETS 300 565 [36], subclause 1 ETS 300 542 [57], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CLIP/TC210105	
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=speech	
PLMN parameter values:	GSM-BC=speech, Calling party number: PI=PA, SI=NP, TON= national / international, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])	
Comments:		

210201	**ISDN ref. to:** ETS 300 093-1 [7], subclause 9.4.1: ETS 300 092-1 [6] /A2 Fig2	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.9, subclause 10.5.4.10 ETS 300 565 [36], subclause 1 ETS 300 542 [57], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CLIR/TC210201	
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. The Calling party subaddress shall not be present	
ISDN parameter values:	BC=speech, Calling party number: PI=PA, TON=unknown, NPI=unknown Calling party subaddress	
PLMN parameter values:	GSM-BC=speech, Calling party number: PI=PR, TON=unknown, NPI=unknown, SI=NP	
Comments:		

210202	**ISDN ref. to:** ETS 300 093-1 [7], subclause 9.4.1 ETS 300 092-1 [6] /A2 Fig2	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.9, subclause 10.5.4.10 ETS 300 565 [36], subclause 1, ETS 300 542 [57], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CLIR/TC210202	
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 (and no Calling party subaddress), the Calling party number information element is network provided and delivered to the called user without any digit information.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech, Calling party number: PI=PR, TON=unknown, NPI=unknown, SI=NP	
Comments:		

210301	**ISDN ref. to:** ETS 300 097-1 [8], subclause 9.5.1	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.14 ETS 300 565 [36], subclause 3 ETS 300 542 [57], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/COLP/TC210301	
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=speech; Connected number: SI=NP, PI=PA, TON= national/international number, NPI=ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25]) Connected subaddress	
PLMN parameter values:	BC=speech; Connected subaddress	
Comments:		

210302	**ISDN ref. to** ETS 300 097-1 [8], subclause 9.5.1	**PLMN ref. to:** ETS 300 565 [36], subclause 3, ETS 300 542 [57], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/COLP/TC210302	
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=speech; Connected number: SI=NP, PI=PA, TON= National / international, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])	
PLMN parameter values:	GSM-BC=speech	
Comments:		

210401	**ISDN ref. to:** ETS 300 098-1 [9], subclause 9.3.1, subclause 9.4.1 ETS 300 097-1 [8] /A2 Fig 4	**PLMN ref. to:** ETS 300 565 [36], subclause 4, ETS 300 542 [57], subclause 4
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/COLR/TC210401	
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=speech, Connected number: PI=PR, TON=unknown, NPI=unknown SI=NP	
PLMN parameter values:	GSNM-BC=speech;	
Comments:		

210501	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CUG/TC210501	
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=speech; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

210502	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CUG/TC210502	
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=speech; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

210503	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CUG/TC210503	
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=speech; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:		
Comments:		

210504	**ISDN ref. to:** ETS 300 138-1 [10] subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CUG/TC210504	
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=speech; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index **not** included	
PLMN parameter values:	GSM-BC=speech	
Comments:		

210505	**ISDN ref. to:** ETS 300 138-1 [10] subclause 9.2.2	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CUG/TC210505	
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=speech; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:		
Comments:		

210506	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.3	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CUG/TC210506	
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=speech	
PLMN parameter values:		
Comments:		

210507	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CUG/TC210507	
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=speech; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:		
Comments:		

210508	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CUG/TC210508	
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=speech; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:		
Comments:		

210509	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CUG/TC21059	
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=speech; Facility IE with cUGCall invoke component: OARequested set to FALSE CUG Index included	
PLMN parameter values:		
Comments:		

210510	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CUG/TC210510	
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=speech; Facility IE with cUGCall invoke component: OARequested set to FALSE CUG Index included	
PLMN parameter values:		
Comments:		

210511	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CUG/TC210511	
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=speech; Facility IE with cUGCall invoke component: OARequested set to FALSE CUG Index included	
PLMN parameter values:	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

210601	**ISDN ref. to:** ETS 300 061-1 [11] subclause 9.2 EN 300 403-1 [1], subclause 4.5.9	**PLMN ref. to:** ETS 300 577 subclause 10.5.4.8
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/SUB/TC210601	
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=speech	
PLMN parameter values:		
Comments:		

210602	**ISDN ref. to:** ETS 300 061-1 [11] subclause 9.2 EN 300 403-1 [1], subclause 4.5.9	**PLMN ref. to:** ETS 300 577 subclause 10.5.4.8
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/SUB/TC210602	
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=speech	
PLMN parameter values:		
Comments:		

210701	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFU/TC210701	
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**). (Note 2)	
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.	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
PLMN parameter values:	CFU active	
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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.	

210702	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFU/TC210702	
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**). (Note 2)	
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.	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
PLMN parameter values:	CFU active	
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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.	

210801	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFB/TC210801	
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**). (Note 2)	
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.	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
PLMN parameter values:	CFB-UDUB active	
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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.	

210802	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFB/TC210802	
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**). (Note 2)	
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.	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
PLMN parameter values:	CFB-UDUB active	
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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.	

210803	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFB/TC210803	
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**). (Note 2)	
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.	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
PLMN parameter values:	CFB-NDUB active	
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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.	

210804	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFB/TC210804	
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**) (Note 2)	
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.	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
PLMN parameter values:	CFB-NDUB active	
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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.	

210901	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFNRy/TC210901	
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**). (Note 2)	
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.	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
PLMN parameter values:	CFNRy active	
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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.	

210902	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFNRy/TC210902	
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**). (Note 2)	
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.	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
PLMN parameter values:	CFNRy active	
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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.	

211001	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFNRc/TC211001	
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**). (Note 2)	
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.	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
PLMN parameter values:	CFNRc active, the user is detached	
Comments:	*EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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.*	

211002	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFNRc/TC211002	
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**). (Note 2)	
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.	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
PLMN parameter values:	CFNRc active, the user is detached	
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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.	

211101	**ISDN ref. to:** ETS 300 141-1 [18], subclause 7 ETS 300 196-1, subclause 7.1	**PLMN ref. to:** ETS 300 567 [38], subclause 2 ETS 300 544 [32], subclause 2
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/HOLD/TC211101	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

211102	**ISDN ref. to:** ETS 300 141-1 [18], subclause 7 ETS 300 196-1, subclause 7.1	**PLMN ref. to:** ETS 300 567 [38] subclause 2 ETS 300 544 [32] subclause 2
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/HOLD/TC211102	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

211103	**ISDN ref. to:** ETS 300 141-1 [18], subclause 7 ETS 300 196-1, subclause 7.1	**PLMN ref. to:** ETS 300 567 [38] subclause 2 ETS 300 544 [32] subclause 2
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/HOLD/TC211103	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

211104	**ISDN ref. to:** ETS 300 141-1 [18], subclause 7 ETS 300 196-1, subclause 7.1	**PLMN ref. to:** ETS 300 567 [38] subclause 2 ETS 300 544 [32] subclause 2
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/HOLD/TC211104	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

211105	**ISDN ref. to:** ETS 300 141-1 [18], subclause 7 ETS 300 196-1, subclause 7.1	**PLMN ref. to:** ETS 300 567 [38] subclause 2 ETS 300 544 [32] subclause 2
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/HOLD/TC211105	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

211106	**ISDN ref. to:** ETS 300 141-1 [18], subclause 7 ETS 300 196-1, subclause 7.1	**PLMN ref. to:** ETS 300 567 [38] subclause 2 ETS 300 544 [32] subclause 2
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/HOLD/TC211106	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

211201	**ISDN ref. to:** ETS 300 058-1 [19], subclause 7 EN 300 403-1 [1], subclause 4.5.2.1	**PLMN ref. to:** ETS 300 567 [38] subclause 1 ETS 300 544 [32] subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CW/TC211201	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

211202	**ISDN ref. to:** ETS 300 058-1 [19], subclause 7 EN 300 403-1 [1], subclause 4.5.2 .1	**PLMN ref. to:** ETS 300 567 [38] subclause 1 ETS 300 544 [32] subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CW/TC211202	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

211301	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.1.1, subclause 9.1.2.1 EN 300 403-1 [1], subclause 4.5.30	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25,
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/UUS1/TC211301	
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=speech, UI length=32	
PLMN parameter values	GSM-BC=speech, UI length=32	
Comments:		

211302	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.2.1 EN 300 403-1 [1], subclause 4.5.30	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/UUS1/TC211302	
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=speech, UI length=32	
PLMN parameter values	GSM-BC=speech, UI length=32	
Comments:		

211303	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.2.1 EN 300 403-1 [1], subclause 4.5.30	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25,
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/UUS1/TC211303	
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=speech, UI length=32	
PLMN parameter values:	GSM-BC=speech, UI length=32	
Comments:		

211304	**PLMN ref. to:** ETS 300 286-1 [13], subclause 9.1.2.2.1a EN 300 403-1 [1],	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25,
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/UUS1/TC211304	
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=speech, UI length=32	
PLMN parameter values	GSM-BC=speech, UI length=32	
Comments:		

211305	**PLMN ref. to** ETS 300 286-1 [13] subclause 9.1.2.2.1b EN 300 403-1 [1]	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25,
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/UUS1/TC211305	
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=speech, UI length=32	
PLMN parameter values	GSM-BC=speech, UI length=32	
Comments:		

211306	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25,
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/UUS1/TC211306	
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=speech, UI length=32	
PLMN parameter values:	GSM-BC=speech	
Comments:	.	

211401	**ISDN ref. to:** ETS 300 207-1 [15] subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFU_CLI_COL/TC211401	
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 provided with CFU ("calling user is notified of call diversion "= **Yes**). (Note 2)	
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 giving the reason for call diversion with the presentation indicator set to "presentation allowed".	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
PLMN parameter values:	CFU 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". EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.	

211402	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFU_CLI_COL/TC211402	
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 COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFU ("calling user is notified of call diversion" = **Yes**).(Note 2)	
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".	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
PLMN parameter values:	CFU 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". EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.	

211403	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFU_CLI_COL/TC211403	
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 provided with CFU ("calling user is notified of call diversion" **= No**) and **CLIR**. (Note 2)	
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 allowed".	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
PLMN parameter values:	CFU 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". EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.	

211501	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/ CFB_CLI_COL/TC211501	
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 CFB-**UDUB** ("calling user is notified of call diversion" = **Yes**). (Note 2)	
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".	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
PLMN parameter values:	CFB-UDUB 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" EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.	

211502	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFB_CLI_COL/TC211502	
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 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**).(Note 2)	
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".	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
PLMN parameter values:	CFB-UDUB 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". EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.	

211503	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFB_CLI_COL/TC211503	
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 CFB-**UDUB** ("calling user is notified of call diversion" **= No**) and **CLIR**. (Note 2)	
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 allowed"**.**	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
PLMN parameter values:	CFB-UDUB 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". EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.	

211504	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFB_CLI_COL/TC211504	
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 CFB-**NDUB** ("calling user is notified of call diversion" = **Yes;** "notification to forwarding subscriber" **= Yes**). (Note 2)	
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".	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
PLMN parameter values:	CFB-NDUB 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. EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.	

211505	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFB_CLI_COL/TC211505	
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**). (Note 2)	
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.	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
PLMN parameter values:	CFB-NDUB 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. EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.	

211506	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFB_CLI_COL/TC211506	
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 CFB-**NDUB** ("calling user is notified of call diversion" **= No**;"notification to forwarding subscriber" **= No**) and **CLIR**. (Note 2)	
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.	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
PLMN parameter values:	CFB-NDUB 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". EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.	

211601	**ISDN ref. to:** EN 300 403-1 [1], subclause 9.2.2 , subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFNRy_CLI_COL/TC211601	
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**). (Note 2)	
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.	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
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. EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.	

211602	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFNRy_CLI_COL/TC211602	
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**).(Note 2)	
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.	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
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. EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.	

211603	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFNRy_CLI_COL/TC211603	
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" **= No** "notification to forwarding subscriber" **= No**) and **CLIR**. (Note 2)	
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 allowed". User **B** is not notified of call diversion.	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
PLMN parameter values:	CFNRy active	
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". User **B** is not notified of call diversion. EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.	

211701	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9. 2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_services/SpeechCFNRc_CLI_COL/TC211701	
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 CFNRc ("calling user is notified of call diversion" = **Yes**). (Note 2)	
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".	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
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". *EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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.* 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.	

211702	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFNRc_CLI_COL/TC211702	
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 COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFNRc ("calling user is notified of call diversion" = **Yes**).(Note 2)	
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".	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
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" EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.	

211703	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFNRc_CLI_COL/TC211703	
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 CFNRc ("calling user is notified of call diversion" **= No**) and **CLIR**.(Note 2)	
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".	
ISDN parameter values:	**A: !** BC=speech; **C: ?** BC=speech;	
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". EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.	

211801	**ISDN ref. to:** ETS 300 138-1 [10]	**PLMN ref. to:** ETS 300 518 [30]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CUG_CFU/TC211801	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	On PLMN side CUG SS according to the Stage 1 description.	

211802	**ISDN ref. to:** ETS 300 138-1 [10]	**PLMN ref. to:** ETS 300 518 [30]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CUG_CFU/TC211802	
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=speech	
PLMN parameter values:		
Comments:	On PLMN side CUG SS according to the Stage 1 description.	

211803	**ISDN ref. to:** ETS 300 138-1 [10]	**PLMN ref. to:** ETS 300 518 [30]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CUG_CFU/TC211803	
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=speech	
PLMN parameter values:		
Comments:	On PLMN side CUG SS according to the Stage 1 description.	

211804	**ISDN ref. to:** ETS 300 138-1 [10]	**PLMN ref. to:** ETS 300 518 [30]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CUG_CFU/TC211804	
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=speech	
PLMN parameter values:		
Comments:	On PLMN side CUG SS according to the Stage 1 description.	

211805	**ISDN ref. to:** ETS 300 138-1 [10]	**PLMN ref. to:** ETS 300 518 [30]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CUG_CFU/TC211805	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	On PLMN side CUG SS according to the Stage 1 description.	

211901	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** ETS 300 515 [29]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFB_CW/TC211901	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

211902	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** ETS 300 515 [29]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFB_CW/TC211902	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

211903	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** ETS 300 515 [29]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFB_CW/TC211903	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

211904	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** ETS 300 515 [29]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFB_CW/TC211904	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

211905	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** ETS 300 515 [29]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFB_CW/TC211905	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

211906	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** ETS 300 515 [29]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CFB_CW/TC211906	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

NON-SYMMETRICAL TESTS

220101	**ISDN ref. to:** ETS 300 055-1 [12], subclause 9.2.1 EN 300 403-1 [1], subclause 5.6	**PLMN ref. to:** ETS 300 646-1 subclause 6.1.1.3 ETS 300 557 [35], subclause 10.5.4.20
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/TP/TC220101	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	The calling user has a basic access	

220102	**ISDN ref. to:** ETS 300 055-1 [12], subclause 9.2.2 EN 300 403-1 [1], subclause 5.6.5	**PLMN ref. to:** ETS 300 646-1 subclause 6.1.1.3
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/TP/TC220102	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	The calling user has a basic access	

220201	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	**PLMN ref. to:** ETS 300 646-1 subclause 6.1.1.4
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/UUS1/TC220201	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	UUS is explicit rejected	
Test purpose:	The calling (served) user is provided with UUS1 explicit request as preferred (not-essential).Verify that the UUS service 1 explicit can be correctly implicitly rejected in the PLMN.	
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

220202	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	**PLMN ref. to:** ETS 300 646-1 subclause 6.1.1.4
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/UUS1/TC220202	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	UUS is explicit rejected	
Test purpose:	The calling (served) user is provided with UUS1 explicit request as preferred (not-essential).Verify that the UUS 1 is explicitly discarded without disrupting the call establishment.	
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

220203	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	**PLMN ref. to:** ETS 300 646-1 subclause 6.1.1.4
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/UUS1/TC220203	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:		
Test purpose:	The calling (served) user is provided with UUS1 explicit request as required (essential). Ensure that after explicit request of UUS1 indicating "required", the destination network rejects the UUS1 request and initiates call clearing to the calling user with cause value #69 "requested facility not implemented" or cause value #29 "facility rejected".	
ISDN Parameter values:	BC=speech	
PLMN parameter values:		
Comments:		

220204	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	**PLMN ref. to:** ETS 300 646-1 subclause 6.1.1.4
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/UUS2/TC220204	
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). To verify that the UUS2 implicit network rejection can be correctly handled.	
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

220205	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	**PLMN ref. to:** ETS 300 646-1 subclause 6.1.1.4
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/UUS2/TC220205	
ISDN selection criteria:	UUS2	
PLMN selection criteria:	UUS is explicit rejected	
Test purpose:	The calling (served) user is provided with UUS2 explicit request as preferred (not-essential). Verify that the UUS 2 is explicitly discarded without disrupting the call establishment.	
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

220206	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	**PLMN ref. to:** ETS 300 646-1 subclause 6.1.1.4
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/UUS2/TC220206	
ISDN selection criteria:	UUS2	
PLMN selection criteria:	UUS is explicit rejected	
Test purpose:	The calling (served) user is provided with UUS2 explicit request as required (essential). Ensure that after explicit request of UUS2 indicating "required", the destination network rejects the UUS2 request and initiates call clearing to the calling user with cause value #69 "requested facility not implemented" or cause value #29 "facility rejected".	
ISDN Parameter values:	BC=speech	
PLMN parameter values:		
Comments:		

220207	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	**PLMN ref. to:** ETS 300 646-1 subclause 6.1.1.4
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/UUS3/TC220207	
ISDN selection criteria:	UUS3	
PLMN selection criteria:	UUS is implicit rejected	
Test purpose:	The calling (served) user is provided with UUS3 explicit request as preferred (not-essential), request during call establishment. Verify that the UUS3 implicit network rejection can be correctly handled.	
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

220208	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	**PLMN ref. to:** ETS 300 646-1 subclause 6.1.1.4
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/UUS3/TC220208	
ISDN selection criteria:	UUS3	
PLMN selection criteria:	UUS is explicit rejected	
Test purpose:	The calling (served) user is provided with UUS3 explicit request as preferred(not-essential), request during call establishment. Verify that the UUS3 is explicitly discarded without disrupting the call establishment.	
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

220209	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	**PLMN ref. to:** ETS 300 646-1 subclause 6.1.1.4
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/UUS3/TC220209	
ISDN selection criteria:	UUS3	
PLMN selection criteria:		
Test purpose:	The calling (served) user is provided with UUS3 explicit request as required (essential), request during call establishment. Ensure that after explicit request of UUS3 indicating "required", the destination network rejects the UUS3 request and initiates call clearing to the calling user with cause value #69 "requested facility not implemented" or cause value #29 "facility rejected".	
ISDN Parameter values:	BC=speech	
PLMN parameter values:		
Comments:		

220301	**ISDN ref. to:** ETS 300 185-1 [14], subclause 9.2.2, ANNEX A, Figure A.1	**PLMN ref. to:** ETS 300 646-1, subclause 6.1.1.8
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CONF/TC220301	
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=speech	
PLMN parameter values:	GSM-BC=speech	
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"). **EDITORS NOTE 4**: The standard ETS 300 646-1, subclause 6.1.1.8 is not in line with the Recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.	

220302	**ISDN ref. to:** ETS 300 185-1 [14], subclause 9.2.2, ANNEX A, Figure A.2	**PLMN ref. to:** ETS 300 646-1, subclause 6.1.1.8
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CONF/TC220302	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	The user A is in network N1 and is provided with CONF. The user B is in network N2. User A calls user B (with CRx). After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a **BeginCONF** invoke component indicating the call reference of the call to be added (CRx). The network shall respond to user A with a FACILITY message including a Facility IE 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"). **EDITORS NOTE 4**: The standard ETS 300 646-1, subclause 6.1.1.8 is not in line with the Recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.	

220303	**ISDN ref. to:** ETS 300 185-1 [14], subclause 9.2.2, ANNEX A, Figure A.3	**PLMN ref. to:** ETS 300 646-1, subclause 6.1.1.8
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CONF/TC220303	
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=speech	
PLMN parameter values:	GSM-BC=speech	
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"). **EDITORS NOTE 4**:The standard ETS 300 646-1, subclause 6.1.1.8 is not in line with the Recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.	

220304	**ISDN ref. to:** ETS 300 185-1 [14], subclause 9.2.2, ANNEX A, Figure A.6	**PLMN ref. to:** ETS 300 646-1, subclause 6.1.1.8
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CONF/TC220304	
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=speech	
PLMN parameter values:	GSM-BC=speech	
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"). **EDITORS NOTE 4**: The standard ETS 300 646-1, subclause 6.1.1.8 is not in line with the Recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.	

220305	**ISDN ref. to:** ETS 300 185-1 [14], subclause 9.2.2, ANNEX A, Figure A.7-A.8	**PLMN ref. to:** ETS 300 646-1, subclause 6.1.1.8
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CONF/TC220305	
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=speech	
PLMN parameter values:	GSM-BC=speech	
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. **EDITORS NOTE 4**: The standard ETS 300 646-1, subclause 6.1.1.8 is not in line with the Recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.	

220306	**ISDN ref. to:** ETS 300 185-1 [14], subclause 9.2.2, ANNEX A, Figure A.9	**PLMN ref. to:** ETS 300 646-1, subclause 6.1.1.8
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CONF/TC220306	
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=speech	
PLMN parameter values:	GSM-BC=speech	
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"). **EDITORS NOTE 4**:The standard ETS 300 646-1, subclause 6.1.1.8 is not in line with the Recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.	

220307	**ISDN ref. to:** ETS 300 185-1 [14], subclause 9.2.2, ANNEX A, Figure A.10-A.12	**PLMN ref. to:** ETS 300 646-1, subclause 6.1.1.8
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CONF/TC220307	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	The user A is n 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=speech	
PLMN parameter values:	GSM-BC=speech	

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. **EDITORS NOTE 4**: The standard ETS 300 646-1, subclause 6.1.1.8 is not in line with the Recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.

220308	**ISDN ref. to:** ETS 300 185-1 [14], subclause 9.2.2, ANNEX A, Figure A.11-A.12	**PLMN ref. to:** ETS 300 646-1, subclause 6.1.1.8
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CONF/TC220308	
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=speech	
PLMN parameter values:	GSM-BC=speech	

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. **EDITORS NOTE 4**: The standard ETS 300 646-1, subclause 6.1.1.8 is not in line with the Recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.

220401	**ISDN ref. to:** ETS 300 188-1 [17], subclause 9.2	**PLMN ref. to:** ETS 300 646-1, subclause 6.1.1.14
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/3PTY/TC220401	
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=speech	
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. **EDITORS NOTE 5**: The standard ETS 300 646-1 subclause 6.1.1.15 is not in line with the Recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.	

220402	**ISDN ref. to:** ETS 300 188-1 [17], subclause 9.2	**PLMN ref. to:** ETS 300 646-1, subclause 6.1.1.14
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/3PTY/TC220402	
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=speech	
PLMN parameter values:	GSM-BC=speech	
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. **EDITORS NOTE 5**:The standard ETS 300 646-1 subclause 6.1.1.15 is not in line with the Recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.	

220403	**ISDN ref. to:** ETS 300 188-1 [17], subclause 9.2	**PLMN ref. to:** ETS 300 646-1, subclause 6.1.1.14
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/3PTY/TC220403	
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=speech	
PLMN parameter values:	GSM-BC=speech	
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. **EDITORS NOTE 5**: The standard ETS 300 646-1 subclause 6.1.1.15 is not in line with the Recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.	

220404	**ISDN ref. to:** ETS 300 188-1 [17], subclause 9.2	**PLMN ref. to:** ETS 300 646-1, subclause 6.1.1.14
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/3PTY/TC220404	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	**EDITORS NOTE 5**: The standard ETS 300 646-1 subclause 6.1.1.15 is not in line with the Recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.	

220405	**ISDN ref. to:** ETS 300 188-1 [17], subclause 9.2	**PLMN ref. to:** ETS 300 646-1, subclause 6.1.1.14
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/3PTY/TC220405	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	**EDITORS NOTE 5**: The standard ETS 300 646-1, subclause 6.1.1.15 is not in line with the Recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.	

220406	**ISDN ref. to:** ETS 300 188-1 [17], subclause 9.2	**PLMN ref. to:** ETS 300 646-1, subclause 6.1.1.14
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/3PTY/TC220406	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	**EDITORS NOTE 5**: The standard ETS 300 646-1 subclause 6.1.1.15 is not in line with the Recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.	

220407	**ISDN ref. to:** ETS 300 188-1 [17], subclause 9.2	**PLMN ref. to:** ETS 300 646-1, subclause 6.1.1.14
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/3PTY/TC220407	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	**EDITORS NOTE 5**: The standard ETS 300 646-1 subclause 6.1.1.15 is not in line with the Recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.	

220408	**ISDN ref. to:** ETS 300 188-1 [17], subclause 9.2	**PLMN ref. to:** ETS 300 646-1, subclause 6.1.1.14
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/3PTY/TC220408	
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=speech	
PLMN parameter values:	GSM-BC=speech	

Comments:	User A calls user B (with CRx). After initiating of call hold, the call A-B has an Active-Held connection. User A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection. When user A sends a FACILITY message for CRx containing a facility IE with a Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. User B an C receive a NOTIFY message containing a Notification Indicator IE with a notification description of "Conference established". The three-way bridge is established. The served user shall send an End3PTY invoke component to the network in a FACILITY message with that CRx. On receiving such an invoke component in a FACILITY message, the network shall: i) remove the three-way bridge from both the Active-Idle connection and the Active-Held connection; ii) release the three-way bridge; iii) return to the served user an End3PTY return result component, within a FACILITY message using the CRx of the Active-Held connection; iv) send a NOTIFY message to the remote user with which private communication is required containing a Notification indicator information element with a notification description of "Remote hold"; and, v) send a NOTIFY message to the other remote user containing a Notification indicator information element with a notification description of "Conference disconnected". When the served user receives a correctly encoded End3PTY return result component, within a FACILITY message, the user shall accept the provided information and shall: i) use the CR relating to the Active-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 subclause, 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. **EDITORS NOTE 5**: The standard ETS 300 646-1 subclause 6.1.1.15 is not in line with the Recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.

220409	**ISDN ref. to:** ETS 300 188-1 [17], subclause 9.2	**PLMN ref. to:** ETS 300 646-1, subclause 6.1.1.14
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/3PTY/TC220409	
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=speech	
PLMN parameter values:	GSM-BC=speech	

Comments:	User A calls user B (with CRx). After initiating of call hold, the call A-B has an Active-Held connection. User A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection. When user A sends a FACILITY message for CRx containing a facility IE with a Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. User B and C receive a NOTIFY message containing a Notification Indicator IE with a notification description of "Conference established". The three-way bridge is established. 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 subclause, 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 **EDITORS NOTE 5**: The standard ETS 300 646-1 subclause 6.1.1.15 is not in line with the Recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.

220501	**ISDN ref. to:** ETS 300 369-1 [20], subclause 9	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/ECT/TC220501	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

220502	**ISDN ref. to:** ETS 300 369-1 [20], subclause 9	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/ECT/TC220502	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

220503	**ISDN ref. to:** ETS 300 369-1 [20], subclause 9	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/ECT/TC220503	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

220504	**ISDN ref. to:** ETS 300 369-1 [20], subclause 9	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/ECT/TC220504	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

220601	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** ETS 300 548 [34]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/Call barring service/TC220601	
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=speech	
PLMN parameter values:		
Comments:	EDITORS NOTE 3: The cause value with witch the call shall be rejected is not defined.	

220602	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** ETS 300 548 [34]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/Call barring service/TC220602	
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=speech	
PLMN parameter values:		
Comments:	EDITORS NOTE 3: The cause value with witch the call shall be rejected is not defined.	

220701	**ISDN ref. to:** ETS 300 359-1, subclause 9.1.2	**PLMN ref. to:** ETS 300 646-1, subclause 6.1.1.14
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CCBS/TC220701	
ISDN selection criteria:	The user A is in network N1 and has subscribed to the CCBS supplementary service	
PLMN selection criteria:	The user B is in the network N2 and doesn't support CCBS.	
Test purpose:	User A calls busy user B. The network clears the incoming call with user busy (cause value # 17). User A's CCBS request is identified by the callLinkageID parameter. The network cannot accept user A's request identified by the callLinkageID parameter because CCBS is not available to the destination. The network A shall send a CCBS Request return error component indicating "longTermDenial" to user A.	
ISDN parameter values:	BC=speech	
PLMN parameter values:		
Comments:		

220801	**ISDN ref. to:** EN 300 065-1	**PLMN ref. to:** EN 300 065
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CCNR/TC220801	
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 doesn't support CCNR.	
Test purpose:	User A calls user B which doesn't 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=speech	
PLMN parameter values:		
Comments:		

220901	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** ETS 300 519
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/AoC/TC220901	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

220902	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** ETS 300 519
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/AoC/TC220901	
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=speech	
PLMN parameter values:		
Comments:		

221001	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/MPTY/TC221001	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

221002	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/MPTY/TC221002	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

221003	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/MPTY/TC221003	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

221004	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/MPTY/TC221004	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

6.2.2.2 Bearer capability "UDI"

Supplementary services
UDI

230101	**ISDN ref. to:** ETS 300 092-1 [6], subclause 9.3, EN 300 403-1 [1], subclause 4.5.10, subclause 4.5.11	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.9 ETS 300 565 [36], subclause 1, ETS 300 542 [57], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CLIP/TC230101	
ISDN selection criteria:	CLIP	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that when Calling party number is provided by the calling user, Type of number "subscriber number", with Calling party subaddress, the Calling party number and Calling party subaddress information elements are correctly delivered to the called (served) user.	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption, Calling party number: PI=PA SI=UPVP, TON=subscriber number	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption, Calling party number: PI=PA SI=UPVP, TON= national / international number, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])	
Comments:		

230102	**ISDN ref. to:** ETS 300 092-19.3 EN 300 403-1 [1], subclause 4.5.10, subclause 4.5.11	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.9 ETS 300 565 [36], subclause 1 ETS 300 542 [57], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CLIP/TC230102	
ISDN selection criteria:	CLIP	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that when Calling party number is provided by the calling user, Type of number "national number", with Calling party subaddress, the Calling party number and Calling party subaddress information elements are correctly delivered to the called (served) user.	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption, Calling party number: PI=PA SI=UPVP, TON= national number	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption, Calling party number: PI=PA, SI=UPVP, TON= national / international number, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])	
Comments:		

230103	**ISDN ref. to:** ETS 300 092-1 [6], subclause 9.3 EN 300 403-1 [1], subclause 4.5.10, subclause 4.5.11	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.9 ETS 300 565 [36], subclause 1 ETS 300 542 [57], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CLIP/TC230103	
ISDN selection criteria:	CLIP	
PLMN 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 "international number", 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=UDI with V.110/X.30 rate adaption, Calling party number: PI= PA, SI=UPVP, TON=international number	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption, Calling party number PI=PA, SI=UPVP, TON= national / international number, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])	
Comments:		

230104	**ISDN ref. to:** ETS 300 092-1 [6], 9.3 EN 300 403-1 [1], subclause 4.5.10, subclause 4.5.11	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.9 ETS 300 565 [36], subclause 1 ETS 300 542 [57], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CLIP/TC230104	
ISDN selection criteria:	CLIP	
PLMN 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 "unknown", 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= UDI with V.110/X.30 rate adaption, Calling party number: PI=PA SI=UPVP, TON=unknown	
PLMN parameter values:	GSM-BC= UDI with V.110/X.30 rate adaption, Calling party number: PI=PA SI=UPVP, TON= national / international number, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])	
Comments:		

230105	**ISDN ref. to:** ETS 300 092-1 [6], subclause 9.3 EN 300 403-1 [1], subclause 4.5.10	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.9, subclause 10,5.4.10 ETS 300 565 [36], subclause 1 ETS 300 542 [57], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CLIP/TC230105	
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= UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC= UDI with V.110/X.30 rate adaption, Calling party number: SI=NP, TON= national / international number, PI=PA, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])	
Comments:		

230201	**ISDN ref. to:** ETS 300 093-1 [7] subclause 9.4.1 ETS 300 092-1 [6] /A2 Fig2	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.9, subclause 10.5.4.10 ETS 300 565 [36], subclause 1 ETS 300 542 [57], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CLIR/TC230201	
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. The Calling party subaddress shall not be present	
ISDN parameter values:	BC= UDI with V.110/X.30 rate adaption, Calling party number: PI=PR, TON=unknown, NPI=unknown	
PLMN parameter values:	GSM-BC= UDI with V.110/X.30 rate adaption, Calling party number: PI=PR, SI=NP, TON=unknown, NPI=unknown	
Comments:		

230202	**ISDN ref. to:** ETS 300 093-1 [7] subclause 9.4.1 ETS 300 092-1 [6] /A2 Fig2	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.9, subclause 10.5.4.10 ETS 300 565 [36], subclause 1 ETS 300 542 [57], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CLIR/TC230202	
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 (and no Calling party subaddress), the Calling party number information element is network provided and delivered to the called user without any digit information.	
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, Calling party number: PI=PR, SI=NP, TON=unknown, NPI=unknown	
Comments:		

230301	**ISDN ref. to:** ETS 300 097-1 [8], subclause 9.5.1	**PLMN ref. to:** ETS 300 557 [35] subclause 9.3.5.2, subclause 10.5.4.14 ETS 300 565 [36], subclause 3, ETS 300 542 [57], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/COLP/TC230301	
ISDN selection criteria:	The calling user is provided with COLP	
PLMN selection criteria:	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:	BC=UDI with V.110/X.30 rate adaption, Connected number: PI=PA, SI=NP, TON= national /international number, NPI= NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25]) Connected subaddress	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption, Connected subaddress	
Comments:		

230302	**ISDN ref. to** ETS 300 097-1 [8], subclause 9.5.1	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.5.2, subclause 10.5.4.14 ETS 300 565 [36], subclause 3 ETS 300 542 [57], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/COLP/TC230302	
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=UDI with V.110/X.30 rate adaption, Connected number: SI=NP, PI=PA,TON= national / international number, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

230401	**ISDN ref. to:** ETS 300 098-1 [9], subclause 9.3.1, subclause 9.4.1 ETS 300 097-1 [8] /A2 Fig 4	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.5.2, subclause 10.5.4.14 ETS 300 565 [36], subclause 4, ETS 300 542 [57], subclause 4
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/COLR/TC230401	
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=UDI with V.110/X.30 rate adaption, Connected number PI=PR, SI=NP, TON=unknown, NPI=unknown	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

230501	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CUG/TC210501	
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:	GSM-BC=UDI with V.110/X.30 rate adaption; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

230502	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CUG/TC230502	
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:	GSM-BC=UDI with V.110/X.30 rate adaption; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

230503	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CUG/TC230503	
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=UDI with V.110/X.30 rate adaption; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:		
Comments:		

230504	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CUG/TC230504	
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=UDI with V.110/X.30 rate adaption; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index **not** included	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption;	
Comments:		

230505	**ISDN ref. to:** ETS 300 138-1 [10] subclause 9.2.2	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CUG/TC230505	
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=UDI with V.110/X.30 rate adaption; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:		
Comments:		

230506	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.3	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CUG/TC230506	
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=UDI with V.110/X.30 rate adaption;	
PLMN parameter values:		
Comments:		

230507	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CUG/TC230507	
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=UDI with V.110/X.30 rate adaption; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:		
Comments:		

230508	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CUG/TC230508	
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=UDI with V.110/X.30 rate adaption; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:		
Comments:		

230509	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CUG/TC230509	
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=UDI with V.110/X.30 rate adaption; Facility IE with cUGCall invoke component: OARequested set to FALSE CUG Index included	
PLMN parameter values:		
Comments:		

230510	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CUG/TC230510	
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=UDI with V.110/X.30 rate adaption; Facility IE with cUGCall invoke component: OARequested set to FALSE CUG Index included	
PLMN parameter values:		
Comments:		

230511	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CUG/TC230511	
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=UDI with V.110/X.30 rate adaption; Facility IE with cUGCall invoke component: OARequested set to FALSE CUG Index included	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

230601	**ISDN ref. to:** ETS 300 061-1 [11] subclause 9.2 EN 300 403-1 [1], subclause 4.5.9	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.1.5
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/SUB/TC230601	
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=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

230602	**ISDN ref. to:** ETS 300 061-1 [11], subclause 9.2 EN 300 403-1 [1], subclause 4.5.9	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.1.5
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/SUB/TC230602	
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=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

230701	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFU/TC230701	
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**). (Note 2)	
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.	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	
PLMN parameter values:	CFU active	
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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.	

230702	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFU/TC230702	
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**). (Note 2)	
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 receives** a SETUP message with the information that the incoming call is a forwarded call.	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	
PLMN parameter values:	CFU active	
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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.	

230801	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFB/TC230801	
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**;). (Note 2)	
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.	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	
PLMN parameter values:	CFB-UDUB active	

Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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.

230802	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFB/TC230802	
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**). (Note 2)	
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 receives** a SETUP message with the information that the incoming call is a forwarded call.	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	
PLMN parameter values:	CFB-UDUB active	
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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.	

230803	**ISDN ref. to:** ETS 300 207-1 [15] subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFB/TC230803	
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**). (Note 2)	
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.	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	
PLMN parameter values:	CFB-NDUB active	
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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.	

230804	**ISDN ref. to:** ETS 300 207-1 [15] subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFB/TC230804	
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**). (Note 2)	
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 receives** a SETUP message with the information that the incoming call is a forwarded call.	

ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;
PLMN parameter values:	CFB-NDUB active
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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.

230901	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9. 2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFNRy/TC230901	
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**). (Note 2)	
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 receives** a SETUP message with the information that the incoming call is a forwarded call.	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	
PLMN parameter values:	CFNRy active	
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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.	

230902	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFNRy/TC230902	
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**). (Note 2)	
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 receives** a SETUP message with the information that the incoming call is a forwarded call.	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	
PLMN parameter values:	CFNRy active	
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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.	

231001	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFNRc/TC231001	
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**). (Note 2)	
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.	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	
PLMN parameter values:	CFNRc active, the user is detached	

Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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.

231002	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFNRc/TC231002	
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**). (Note 2)	
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 receives** a SETUP message with the information that the incoming call is a forwarded call.	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	
PLMN parameter values:	CFNRc active, the user is detached	
Comments:	EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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.	

231101	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.1.1, subclause 9.1.2.1 EN 300 403-1 [1], subclause 4.5.30	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25,
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/UUS1/TC231101	
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=UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values	GSM-BC=UDI with V.110/X.30 rate adaption, UI length=32	
Comments:		

231102	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.2.1 EN 300 403-1 [1], subclause 4.5.30	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/UUS1/TC231102	
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=UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption, UI length=32	
Comments:		

231103	**PLMN ref. to:** ETS 300 286-1 [13], subclause 9.1.2.2.1a EN 300 403-1 [1], subclause 4.5.30	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/UUS1/TC231103	
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=UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values	GSM-BC=UDI with V.110/X.30 rate adaption, UI length=32	
Comments:		

231104	**ISDN ref. to:** ETS 300 286-1 [13] subclause 9.1.2.2.1b EN 300 403-1 [1], subclause 4.5.30	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/UUS1/TC231104	
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=UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values	GSM-BC=UDI with V.110/X.30 rate adaption, UI length=32	
Comments:		

231105	**ISDN ref. to:** ETS 300 286-1 [13] subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	**PLMN ref. to:** ETS 300 557 [35], 10.5.4.25
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/UUS1/TC231105	
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=UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values:	BC=UDI with V.110/X.30 rate adaption	
Comments:		

231201	**ISDN ref. to:** ETS 300 207-1 [15] subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFU_CLI_COL/TC231201	
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 provided with CFU ("calling user is notified of call diversion" = **Yes**). (Note 2)	
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 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".	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	
PLMN parameter values:	CFU 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". EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.

231202	**ISDN ref. to:** ETS 300 207-1 [15] subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFU_CLI_COL/TC231202	
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 COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFU ("calling user is notified of call diversion" = **Yes**).(Note 2)	
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".	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	
PLMN parameter values:	CFU 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". EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.

231203	**ISDN ref. to:** ETS 300 207-1 [15] subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFU/TC231203	
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 provided with CFU ("calling user is notified of call diversion" **= No**) and **CLIR**. (Note 2)	
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".	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	
PLMN parameter values:	CFU active	

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". EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.

231301	**ISDN ref. to:** ETS 300 207-1 [15] subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFB_CLI_COL/TC231301	
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 CFB-**UDUB** ("calling user is notified of call diversion" = **Yes**;). (Note 2)	
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. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. 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".	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	
PLMN parameter values:	CFB-UDUB 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" EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.

231302	**ISDN ref. to:** ETS 300 207-1 [15] subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFB_CLI_COL/TC231302	
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 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**).(Note 2)	
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".	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	
PLMN parameter values:	CFB-UDUB 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". EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.

231303	**ISDN ref. to:** ETS 300 207-1 [15] subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFB_CLI_COL/TC231303	
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 CFB-**UDUB** ("calling user is notified of call diversion" **= No**) and **CLIR**. (Note 2)	
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 ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation restricted".	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	
PLMN parameter values:	CFB-UDUB active	

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". EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.

231304	**ISDN ref. to:** ETS 300 207-1 [15] subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFB_CLI_COL/TC231304	
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 CFB-**NDUB** ("calling user is notified of call diversion" = **Yes;** "notification to forwarding subscriber" **= Yes**). (Note 2)	
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. 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.	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	
PLMN parameter values:	CFB-NDUB 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. EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.

231305	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFB_CLI_COL/TC231305	
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**). (Note 2)	
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.	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	
PLMN parameter values:	CFB-NDUB 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. EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.

231306	**ISDN ref. to:** ETS 300 207-1 [15] subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFB_CLI_COL/TC231306	
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 CFB-**NDUB** ("calling user is notified of call diversion" **= No**;"notification to forwarding subscriber" **= No**) and **CLIR**. (Note 2)	
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". User **B** is not notified of call diversion.	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	

PLMN parameter values:	CFB-NDUB active
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". EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.

231401	**ISDN ref. to:** EN 300 403-1 [1], subclause 9.2.2 , subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFNRy_CLI_COL/TC231401	
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**). (Note 2)	
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.	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	
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. EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.

231402	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFNRy_CLI_COL/TC231402	
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**).(Note 2)	
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** 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 of call diversion.	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	
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. EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.

231403	**ISDN ref. to:** EN 300 403-1 [1], subclause 9.2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFNRy_CLI_COL/TC231403	
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" **= No** "notification to forwarding subscriber" **= No**) and **CLIR**. (Note 2)	
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.	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	

PLMN parameter values:	CFNRy active
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". EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.

231501	**ISDN ref. to:** EN 300 403-1 [1], subclause 9.2.2 , subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFNRc_CLI_COL/TC231501	
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 CFNRc ("calling user is notified of call diversion" = **Yes**). (Note 2)	
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".	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	
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". EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.

231502	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFNRc_CLI_COL/TC231502	
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 COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFNRc ("calling user is notified of call diversion" = **Yes**).(Note 2)	
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".	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	
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". EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.

231503	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CFNRc_CLI_COL/TC231503	
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 CFNRc ("calling user is notified of call diversion" **= No**) and **CLIR**.(Note 2)	
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".	
ISDN parameter values:	**A: !** BC=UDI with V.110/X.30 rate adaption; **C: ?** BC=UDI with V.110/X.30 rate adaption;	
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". EDITORS NOTE 2: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETS 300 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to ETS 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. 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.	

231601	**ISDN ref. to:** ETS 300 138-1 [10]	**PLMN ref. to:** ETS 300 518 [30]
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CUG_CFU/TC231601	
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= UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC= UDI with V.110/X.30 rate adaption	
Comments:	On PLMN side CUG SS according to the Stage 1 description.	

231602	**ISDN ref. to:** ETS 300 138-1 [10]	**PLMN ref. to:** ETS 300 518 [30]
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CUG_CFU/TC231602	
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=UDI with V.110/X.30 rate adaption	
PLMN parameter values:		
Comments:	On PLMN side CUG SS according to the Stage 1 description.	

231603	**ISDN ref. to:** ETS 300 138-1 [10]	**PLMN ref. to:** ETS 300 518 [30]
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CUG_CFU/TC231603	
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= UDI with V.110/X.30 rate adaption	
PLMN parameter values:		
Comments:	On PLMN side CUG SS according to the Stage 1 description.	

231604	**ISDN ref. to:** ETS 300 138-1 [10]	**PLMN ref. to:** ETS 300 518 [30]
TSS reference:	ISDN-PLMN/Supplementary_services/Speech/CUG_CFU/TC231604	
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= UDI with V.110/X.30 rate adaption	
PLMN parameter values:		
Comments:	On PLMN side CUG SS according to the Stage 1 description.	

231605	**ISDN ref. to:** ETS 300 138-1 [10]	**PLMN ref. to:** ETS 300 518 [30]
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/CUG_CFU/TC231605	
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 = UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC = UDI with V.110/X.30 rate adaption	
Comments:	On PLMN side CUG SS according to the Stage 1 description.	

NON-SYMMETRICAL TESTS

240101	**ISDN ref. to:** ETS 300 286-1 [13] subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	**PLMN ref. to:** 300 646-1, subclause 6.1.1.4
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/UUS1/TC240101	
ISDN selection criteria:	UU1e	
PLMN selection criteria:	UUS is implicit rejected	
Test purpose:	The calling (served) user is provided with UUS1 explicit request as preferred (not-essential).Verify that the UUS service 1 explicit can be correctly implicitly rejected in the PLMN.	
ISDN Parameter values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:		
Comments:		

240102	**ISDN ref. to:** ETS 300 286-1 [13] subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	**PLMN ref. to:** 300 646-1, subclause 6.1.1.4
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/UUS1/TC240102	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	UUS is explicit rejected	
Test purpose:	The calling (served) user is provided with UUS1 explicit request as preferred (not-essential). Verify that the UUS1 is explicitly discarded without disrupting the call establishment.	
ISDN Parameter values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:		
Comments:		

240103	**ISDN ref. to:** ETS 300 286-1 [13] subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	**PLMN ref. to:** 300 646-1, subclause 6.1.1.4
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/UUS1/TC240103	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:		
Test purpose:	The calling (served) user is provided with UUS1 explicit request as required (essential). Ensure that after explicit request of UUS1 indicating "required", the destination network rejects the UUS1 request and initiates call clearing to the calling user with cause value #69 "requested facility not implemented" or cause value #29 "facility rejected".	
ISDN Parameter values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:		
Comments:		

240104	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	**PLMN ref. to:** ETS 300 646-1 subclause 6.1.1.4
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/UUS2/TC240104	
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=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

240105	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	**PLMN ref. to:** ETS 300 646-1 subclause 6.1.1.4
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/UUS2/TC240105	
ISDN selection criteria:	UUS2	
PLMN selection criteria:	UUS is explicit rejected	
Test purpose:	The calling (served) user is provided with UUS2 explicit request as preferred (not-essential). Verify that the UUS 2 is explicitly discarded without disrupting the call establishment.	
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:		

240106	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	**PLMN ref. to:** ETS 300 646-1 subclause 6.1.1.4
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/UUS1/TC240106	
ISDN selection criteria:	UUS2	
PLMN selection criteria:		
Test purpose:	The calling (served) user is provided with UUS2 explicit request as required (essential). Ensure that after explicit request of UUS2 indicating "required", the destination network rejects the UUS2 request and initiates call clearing to the calling user with cause value #69 "requested facility not implemented" or cause value #29 "facility rejected".	
ISDN Parameter values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:		
Comments:		

240107	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	**PLMN ref. to:** ETS 300 646-1 subclause 6.1.1.4
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/UUS3/TC240107	
ISDN selection criteria:	UUS3	
PLMN selection criteria:	UUS is implicit rejected	
Test purpose:	The calling (served) user is provided with UUS3 explicit request as preferred (not-essential), request during call establishment. To verify that the UUS3 implicit network rejection can be correctly handled.	
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:		

240108	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	**PLMN ref. to:** ETS 300 646-1 subclause 6.1.1.4
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/UUS3/TC240108	
ISDN selection criteria:	UUS3	
PLMN selection criteria:	UUS is explicit rejected	
Test purpose:	The calling (served) user is provided with UUS3 explicit request as preferred (not-essential), request during call establishment. Verify that the UUS3 is explicitly discarded without disrupting the call establishment.	
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:		

240109	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	**PLMN ref. to:** ETS 300 646-1 subclause 6.1.1.4
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/UUS3/TC240109	
ISDN selection criteria:	UUS3	
PLMN selection criteria:		
Test purpose:	The calling (served) user is provided with UUS3 explicit request as required (essential), request during call establishment. Ensure that after explicit request of UUS3 indicating "required", the destination network rejects the UUS3 request and initiates call clearing to the calling user with cause value #69 "requested facility not implemented" or cause value #29 "facility rejected".	
ISDN Parameter values:	BC= UDI with V.110/X.30 rate adaption	
PLMN parameter values:		
Comments:		

240201	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:**
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/Call Barring/TC240201	
ISDN 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.	
ISDN parameter values:	BC= UDI with V.110/X.30 rate adaption	
PLMN parameter values:		
Comments:	EDITORS NOTE 3: The cause value with witch the call shall be rejected is not defined.	

240202	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:**
TSS reference:	ISDN-PLMN/Supplementary_services/UDI/Call Barring/TC240202	
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= UDI with V.110/X.30 rate adaption	
PLMN parameter values:		
Comments:	EDITORS NOTE 3: The cause value with witch the call shall be rejected is not defined.	

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

B-channel end-to-end performance

310101	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** ETS 300 557 [35] ITU-T Rec. G. 101
TSS reference:	ISDN-PLMN/ B-channel end-to-end performance /Speech/TC310101	
ISDN selection criteria:	B - channel transmission	
PLMN selection criteria:	Voice transmission	
Test purpose:	To ensure that speech transfer on the B-channel is performed correctly.	
ISDN parameter values:	BC= speech	
PLMN parameter values:		
Comments:	The tests should be based on the E-Model described in the ITU-T Rec. G. 101, Appendix I.	

310201	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** ETS 300 557 [35] ITU-T Rec. G. 101
TSS reference:	ISDN-PLMN/ B-channel end-to-end performance /3,1 kHz audio/TC310201	
ISDN selection criteria:	B - channel transmission	
PLMN selection criteria:	Data transmission	
Test purpose:	To ensure that speech transfer on the B-channel is performed correctly.	
ISDN parameter values:	BC= 3,1 kHz audio	
PLMN parameter values:		
Comments:	The tests should be based on the E-Model described in the ITU-T Rec. G. 101, Appendix I.	

310301	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** ETS 300 557 [35] ETS 300 578 [55]
TSS reference:	ISDN-PLMN/ B-channel end-to-end performance /UDI/TC310301	
ISDN selection criteria:	B - channel transmission	
PLMN selection criteria:	Data transmission	
Test purpose:	To verify compliance with the requirements for error and octet slip for the first or the last continuous 24 hour period.	
ISDN parameter values:	BC = UDI, V.110/X.30 synchronous mode; PRBS=2^{11}-1	
PLMN parameter values:		
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

6.2.4 Test purposes for PSTN-PLMN, Basic call

6.2.4.1 Successful

Successful
PSTN

410101	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35] ETS 300 604 [42], subclause 9.2.2 a, subclause 10.2.2
TSS reference:	PSTN-PLMN/Basic_call/Successful/TC410101	
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.	
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	

410102	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 9.2.2 b
TSS reference:	PSTN-PLMN/Basic_call/Successful/TC410102	
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).	
PSTN parameter values:		
PLMN parameter values:		
Comments:	The call set-up to the mobile will not contain a GSM BC element.	

410103	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2 ETS 300 604 [42], subclause 9.2.2 a, subclause 10.2.2
TSS reference:	PSTN-PLMN/Basic_call/Successful/TC410103	
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.	
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	

410104	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35] ETS 300 604 [42], subclause 9.2.2 a, subclause 10.2.2
TSS reference:	PSTN-PLMN/Basic_call/Successful/TC410104	
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	
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	

6.2.4.2 Unsuccessful

PSTN
UNSUCCESSFUL

420101	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35] Annex H 1.7
TSS reference:	PSTN-PLMN/Basic_call/Unsuccessful/TC420101	
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").	

420102	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35] Annex H 1.7
TSS reference:	PSTN-PLMN/Basic_call/Unsuccessful/TC420102	
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:		

420103	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 599 [41], subclause 18.2, subclause 18.3.2 ETS 300 557 [35], Annex H.1.7
TSS reference:	PSTN-PLMN/Basic_call/Unsuccessful/TC420103	
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:		

420104	**PSTN ref. to:** ETS 300 001	**PLMN ref. to: ref. to:** ETS 300 557 [35]
TSS reference:	PSTN-PLMN/Basic_call/Unsuccessful/TC420104	
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:		

420105	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35]
TSS reference:	PSTN-PLMN/Basic_call/Unsuccessful/TC420105	
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	

420106	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:**
TSS reference:	PSTN-PLMN/Basic_call/Unsuccessful/TC420106	
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	

420107	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35] Annex H 1.7
TSS reference:	PSTN-PLMN/Basic_call/Unsuccessful/TC420107	
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")	

420108	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35]
TSS reference:	PSTN-PLMN/Basic_call/Unsuccessful/TC420108	
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.	

420109	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:. to:**
TSS reference:	PSTN-PLMN/Basic_call/Unsuccessful/TC420109	
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.	

420110	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35] Annex H 1.7
TSS reference:	PSTN-PLMN/Basic_call/Unsuccessful/TC420110	
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").	

6.2.5 Test purposes for PSTN-PLMN, Supplementary_services

Supplementary_services
PSTN

510101	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.9 ETS 300 565 [36],
TSS reference:	PSTN-PLMN/Supplementary_services/CLIP/TC510101	
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 Rec. E.164 [25])	
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.	

510201	**PSTN ref. to:** ETS 300 649	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.9, subclause 10.5.4.10 ETS 300 565 [36], subclause 1 ETS 300 542 [57], subclause 1
TSS reference:	PSTN-PLMN/Supplementary_services/CLIR/TC510201	
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:		

510301	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.3	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PSTN-PLMN/Supplementary_services/CUG/TC510301	
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:		

510401	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	PSTN-PLMN/Supplementary_services/CFU/TC510401	
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.	
PSTN parameter values:		
PLMN parameter values:	CFU active	
Comments:		

510501	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	PSTN-PLMN/Supplementary_services/CFB/TC510501	
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.	
PSTN parameter values:		
PLMN parameter values:	CFB-UDUB active	
Comments:		

510502	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	PSTN-PLMN/Supplementary_services/CFB/TC510502	
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.	
PSTN parameter values:		
PLMN parameter values:	CFB-NDUB active	
Comments:		

510503	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	PSTN-PLMN/Supplementary_services/CFB/TC510503	
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.	
PSTN parameter values:		
PLMN parameter values:	CFB-NDUB active	
Comments:		

510601	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	PSTN-PLMN/Supplementary_services/CFNRyTC510601	
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.	
PSTN parameter values:		
PLMN parameter values:	CFNRy active	
Comments:	.	

510602	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	PSTN-PLMN/Supplementary_services/CFNRyTC510602	
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.	
PSTN parameter values:		
PLMN parameter values:	CFNRy active	
Comments:	.	

510701	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 566 [37], subclause 4 ETS 300 543 [31], subclause 4
TSS reference:	PSTN-PLMN/Supplementary_services/CFNRcTC510701	
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.	
PSTN parameter values:		
PLMN parameter values:	CFNRc active	
Comments:		

NON-SYMMETRICAL TESTS

520101	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 548 [34]
TSS reference:	PSTN-PLMN/Supplementary_services/Call barring service/TC520101	
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:	EDITORS NOTE 3: The cause value with witch the call shall be rejected is not defined.	

520102	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 548 [34]
TSS reference:	PSTN-PLMN/Supplementary_services/Call barring service/TC520102	
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:	EDITORS NOTE 3: The cause value with witch the call shall be rejected is not defined.	

520201	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 517 ETS 300 545
TSS reference:	PSTN-PLMN/Supplementary_services/MPTY/TC520201	
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:		

520202	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PSTN-PLMN/Supplementary_services/MPTY/TC520202	
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:		

520203	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PSTN-PLMN/Supplementary_services/MPTY/TC520203	
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:		

520204	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PSTN-PLMN/Supplementary_services/MPTY/TC520204	
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:		

6.2.6 Test purposes for PSTN-PLMN, B-channel end-to-end performance

B-channel end-to-end performance

610101	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], ITU-T Rec. G. 101
TSS reference:	PSTN-PLMN/ B-channel end-to-end performance/Voice/TC610101	
PSTN selection criteria:	Voice transmission	
PLMN selection criteria:	Voice transmission	
Test purpose:	To ensure that the voice transfer on the B-channel is performed correctly.	
PSTN parameter values:		
PLMN parameter values:		
Comments:	The tests should be based on the E-Model described in the ITU-T Rec. G. 101 Appendix I.	

610102	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], ETS 300 578 [55]
TSS reference:	PSTN-PLMN/ B-channel end-to-end performance /data/TC610102	
PSTN selection criteria:	Data transmission	
PLMN selection criteria:	Data transmission	
Test purpose:	To ensure that data transfer with 1,2 kbit/s on the B-channel is performed correctly.	
PSTN parameter values:		
PLMN parameter values:		
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

610103	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], ETS 300 578 [55]
TSS reference:	PSTN-PLMN/ B-channel end-to-end performance /data/TC610103	
PSTN selection criteria:	Data transmission	
PLMN selection criteria:	Data transmission	
Test purpose:	To ensure that data transfer with 2,4 kbit/s on the B-channel is performed correctly.	
PSTN parameter values:		
PLMN parameter values:		
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

610104	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], ETS 300 578 [55]
TSS reference:	PSTN-PLMN/ B-channel end-to-end performance /data/TC610104	
PSTN selection criteria:	Data transmission	
PLMN selection criteria:	Data transmission	
Test purpose:	To ensure that data transfer with 4,8 kbit/s on the B-channel is performed correctly.	
PSTN parameter values:		
PLMN parameter values:		
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

610105	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35] ETS 300 578 [55]
TSS reference:	PSTN-PLMN/ B-channel end-to-end performance /data/TC610105	
PSTN selection criteria:	Data transmission	
PLMN selection criteria:	Data transmission	
Test purpose:	To ensure that data transfer with 9,6 kbit/s on the B-channel is performed correctly.	
PSTN parameter values:		
PLMN parameter values:		
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

610106	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35] ETS 300 578 [55]
TSS reference:	PSTN-PLMN/ B-channel end-to-end performance /FAX/TC610106	
PSTN selection criteria:	Data transmission	
PLMN selection criteria:	Data transmission	
Test purpose:	To ensure that "facsimile group 2/3 transfer" on the B-channel is performed correctly.	
PSTN parameter values:		
PLMN parameter values:		
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

6.2.7 Test purposes for PLMN-ISDN, Basic call

6.2.7.1 Successful

Successful

Speech

710101	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/Speech/TC710101	
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.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values:	GSM-BC=speech, no HLC	
Comments:		

710102	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.1
TSS reference:	PLMN-ISDN/Basic_call/Successful/Speech/TC710102	
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.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values:	GSM-BC=speech, no HLC	
Comments:		

710103	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.17 EG 201 018 [2], subclause 6.3.1	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 502 [27], subclause 6 ETS 300 582 [40], Annex B.2.8
TSS reference:	PLMN-ISDN/Basic_call/Successful/Speech/TC710103	
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.	
ISDN parameter values:	BC=speech, HLC=telephony	
PLMN parameter values:	GSM-BC=speech, HLC=telephony	
Comments:		

710104	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.17 EG 201 018 [2], subclause 6.3.1	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 502 [27], subclause 6 ETS 300 582 [40], Annex B.2.8
TSS reference:	PLMN- ISDN/Basic_call/Successful/Speech/TC710104	
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.	
ISDN parameter values:	BC=speech, HLC=telephony	
PLMN parameter values:	GSM-BC=speech, HLC=telephony	
Comments:		

710105	**ISDN ref. to:** EN 300 403-1 [1], subclause 3.1.10, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 7.3.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/Speech/TC710105	
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.	
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.	

710106	**ISDN ref. to:** EN 300 403-1 [1], subclause 3.1, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 7.3.2, subclause 5.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/Speech/TC710106	
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.	
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

710201	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/3,1 kHz audio, ex PLMN/TC710201	
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.	
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 [46])	
PLMN parameter values:	GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	According ETS 300 102-1 [46] subclause 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	

710202	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC710202	
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.	
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 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	According ETS 300 102-1 [46] subclause 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	

710203	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/3,1 kHz audio, ex PLMN/TC710203	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 21	
Test purpose:	Support voice band data via modem. Ensure that the GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s, no LLC is correctly mapped to the called user and the call clearing procedure is performed correctly when the calling user clears after answer.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s, no LLC	
PLMN parameter values:	GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s, no LLC (EN 300 403-1 [1]) BC=3,1 kHz audio (ETS 300 102-1 [46])	
Comments:	According ETS 300 102-1 [46] subclause 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	

710204	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC710204	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 22	
Test purpose:	Support of voice band data via modem: Ensure that the BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, no LLC is correctly mapped to the called user and the call clearing procedure is performed correctly when the called user clears after answer.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, no LLC (EN 300 403-1 [1]) BC=3,1 kHz audio, no LLC (ETS 300 102-1 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, no LLC	
Comments:	According ETS 300 102-1 [46] subclause 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	

710205	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC710205	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 24	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s, no LLC is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s, no LLC (EN 300 403-1 [1]) BC=3,1 kHz audio (ETS 300 102-1 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s, no LLC	
Comments:	According ETS 300 102-1 [46] subclause 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	

710206	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/3,1 kHz audio, ex PLMN/TC710206	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 25	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, no LLC is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, no LLC (EN 300 403-1 [1]) BC=3,1 kHz audio (ETS 300 102-1 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, no LLC	
Comments:	According ETS 300 102-1 [46] subclause 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	

710207	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC710207	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 26	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, no LLC is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, no LLC (EN 300 403-1 [1]) BC=3,1 kHz audio (ETS 300 102-1 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, no LLC	
Comments:	According ETS 300 102-1 [46] subclause 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	

710208	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2, B.2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC710208	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 21	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 0.3 kbit/s is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0.3 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s (EN 300 403-1 [1]) BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s (ETS 300 102-1 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 0.3 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s	
Comments:	According ETS 300 102-1 [46] subclause 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	

710209	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2, B.2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC710209	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 22	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s is correctly mapped and the LLC information is correctly delivered to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s (EN 300 403-1 [1]) BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s (ETS 300 102-1 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
Comments:	According ETS 300 102-1 [46] subclause 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	

710210	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2, B.2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/3,1 kHz audio, ex PLMN/TC710210	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 24	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s (EN 300 403-1 [1]) BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s (ETS 300 102-1 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s	
Comments:	According ETS 300 102-1 [46] subclause 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	

710211	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2, B.2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC710211	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 25	
Test purpose:	Support of terminal adapters voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s (EN 300 403-1 [1]) BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s (ETS 300 102-1 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s	
Comments:	According ETS 300 102-1 [46] subclause 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	

710212	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2, B.2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC710212	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, asynchronous mode, BS 26	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s (EN 300 403-1 [1]) BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s (ETS 300 102-1 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s	
Comments:	According ETS 300 102-1 [46] subclause 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	

710213	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.3
TSS reference:	PLMN-ISDN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC710213	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 31	
Test purpose:	Support of terminal adapters voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, no LLC information is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, no LLC (EN 300 403-1 [1]) BC=3,1 kHz audio, no LLC (ETS 300 102-1 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, no LLC	
Comments:	According ETS 300 102-1 [46] subclause 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	

710214	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC710214	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 32	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s, no LLC is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s, no LLC (EN 300 403-1 [1]) BC=3,1 kHz audio (ETS 300 102-1 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s, no LLC	
Comments:	According ETS 300 102-1 [46] subclause 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	

710215	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/3,1 kHz audio, ex PLMN/TC710215	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 33	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, no LLC is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, no LLC (EN 300 403-1 [1]) BC=3,1 kHz audio (ETS 300 102-1 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, no LLC	
Comments:	According ETS 300 102-1 [46] subclause 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	

710216	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC710216	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 34	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, no LLC is correctly mapped to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, no LLC (EN 300 403-1 [1]) BC=3,1 kHz audio (ETS 300 102-1 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, no LLC	
Comments:	According ETS 300 102-1 [46] subclause 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	

710217	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.3
TSS reference:	PLMN-ISDN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC710217	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 31	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s (EN 300 403-1 [1]) BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s (ETS 300 102-1 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
Comments:	According ETS 300 102-1 [46] subclause 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	

710218	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2, B.2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/3,1 kHz audio, ex PLMN/TC710218	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 32	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s (EN 300 403-1 [1]) BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s (ETS 300 102-1 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s	
Comments:	According ETS 300 102-1 [46] subclause 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	

710219	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2, B.2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC710219	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 33	
Test purpose:	Support of terminal adapters voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 4,8 kbit/s is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s (EN 300 403-1 [1]) BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s (ETS 300 102-1 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s	
Comments:	According ETS 300 102-1 [46] subclause 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	

710220	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2, B.2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC710220	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, synchronous mode, BS 34	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 9,6 kbit/s is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s (EN 300 403-1 [1]) BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s (ETS 300 102-1 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s	
Comments:	According ETS 300 102-1 [46] subclause 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	

710221	**ISDN ref. to:** EN 300 403-1 [1], subclause 3.1.10, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 7.3.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/3,1 kHz audio ex PLMN /TC710221	
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.	
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.	

710222	**ISDN ref. to:** EN 300 403-1 [1], subclause 3.1, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 7.3.2, subclause 5.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC710222	
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.	
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

710301	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/UDI/TC710301	
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.	
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	

710302	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/UDI/TC710302	
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.	
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	

710303	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2; B 2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/UDI/TC710303	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 21	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC = UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s	
Comments:		

710304	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2; B 2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/UDI/TC710304	
ISDN selection criteria:	Bearer service UDI, V.110/X.30 rate adaption	
PLMN selection criteria:	UDI, asynchronous mode, BS 22	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the GSM-BC=UDI/X.30 [49] asynchronous mode, user rate 1,2 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC = UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s	
PLMN parameter values:	GSM-BC=UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s	
Comments:		

710305	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2; B 2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/UDI/TC710305	
ISDN selection criteria:	Bearer service UDI, V.110/X.30 rate adaption	
PLMN selection criteria:	UDI, asynchronous mode, BS 24	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s is correctly mapped and the LLC=UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s	
Comments:		

710306	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2; B 2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/UDI/TC710306	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 25	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s, is correctly mapped and the LLC=UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s	
Comments:		

710307	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2; B 2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/UDI /TC710307	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, asynchronous mode, BS 26	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC = UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC = UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s	
Comments:		

710308	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.3; B 2.3
TSS reference:	PLMN-ISDN/Basic_call/Successful/UDI/TC710308	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 31	
Test purpose:	Support of terminal adapters V.110/X.30 Ensure that the GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s is correctly mapped and the LLC=UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s	
Comments:		

710309	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2; B 2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/UDI/TC710309	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 32	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s is correctly mapped and the LLC=UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s	
Comments:		

710310	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2; B 2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/UDI/TC710310	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 33	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC = UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s, is correctly mapped and the LLC=UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC = UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s	
Comments:		

710311	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, subclause 4.5.5	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2; B 2.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/UDI /TC710311	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, synchronous mode, BS 34	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the BC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user.	
ISDN parameter values:	BC = UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s	
Comments:		

Successful

Facsimile group 3

710401	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.17 EG 201 018 [2]	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.1.1
TSS reference:	PLMN-ISDN/Basic_call/Successful/Facsimile G3/TC710401	
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.	
ISDN parameter values:	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
PLMN parameter values:	GSM-BC= facsimile G3, no HLC	
Comments:		

710402	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.17	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.1.1; B 2.11
TSS reference:	PLMN-ISDN/Basic_call/Successful/Facsimile G3/TC710402	
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.	
ISDN parameter values:	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
PLMN parameter values:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

710403	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.17	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.11
TSS reference:	PLMN-ISDN/Basic_call/Successful/Facsimile G3/TC710403	
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.	
ISDN parameter values:	BC= 3,1 kHz audio, HLC = Facsimile G2/G3	
PLMN parameter values:	GSM-BC= facsimile G3, no HLC	
Comments:		

710404	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.17	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.11, B.2.11
TSS reference:	PLMN-ISDN/Basic_call/Successful/Facsimile G3/TC710404	
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.	
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

710501	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-ISDN/Basic_call/Successful/Alternate speech and facsimile G3/ TC710501	
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.	
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:		

710502	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-ISDN/Basic_call/Successful/Alternate speech and facsimile G3/ TC710502	
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.	
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:		

710503	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.1	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-ISDN/Basic_call/Successful/Alternate speech and facsimile G3/ TC710503	
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".	
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:		

710504	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-ISDN/Basic_call/Successful/Alternate speech and facsimile G3/ TC710504	
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.	
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:		

710506	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-ISDN/Basic_call/Successful/Alternate speech and facsimile G3/ TC710506	
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.	
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:		

710507	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-ISDN/Basic_call/Successful/Alternate speech and facsimile G3/ TC710507	
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.	
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

710601	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	**PLMN ref. To:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.3.1.2 ETS 300 582 [40], Annex B.1.6
TSS reference:	PLMN-ISDN/Basic_call/Successful/Alternate speech and data/ TC710601	
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.	
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 mode, user rate 1,2 kbit/s	
Comments:		

710602	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.1	**PLMN ref. To:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.3.1.2 ETS 300 582 [40], B 1.6
TSS reference:	PLMN-ISDN/Basic_call/Successful/Alternate speech and data/ TC710602	
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.	
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 mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
Comments:		

710603	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.1	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.3.1.2 ETS 300 582 [40], B 1.6
TSS reference:	PLMN-ISDN/Basic_call/Successful/Alternate speech and data/ TC710603	
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".	
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 mode, user rate 1,2 kbit/s	
Comments:		

710604	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.3.1.2 ETS 300 582 [40], B 1.6
TSS reference:	PLMN-ISDN/Basic_call/Successful/Alternate speech and data/ TC710604	
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.	
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 mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
Comments:		

Successful

Speech followed by data

710701	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], B.1.7
TSS reference:	PLMN-ISDN/Basic_call/Successful/Speech followed by data/ TC710701	
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.	
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 mode, user rate 1,2 kbit/s	
Comments:		

710702	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.7, B.2.7.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/Speech followed by data/TC710702	
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.	
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 mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
Comments:		

710703	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.7, B.2.7.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/Speech followed by data/ TC710703	
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".	
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 mode, user rate 1,2 kbit/s	
Comments:		

710704	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.7, B.2.7.1,
TSS reference:	PLMN-ISDN/Basic_call/Successful/Speech followed by data/TC710704	
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.	
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 mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
Comments:		

710705	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.7
TSS reference:	PLMN-ISDN/Basic_call/Successful/Speech followed by data/ TC710705	
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".	
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, asynchronous mode, user rate 1,2 kbit/s	
Comments:		

710706	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 582 [40], Annex B.1.7, B.2.7.1
TSS reference:	PLMN-ISDN/Basic_call/Successful/Speech followed by data/TC710706	
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.	
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, asynchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
Comments:		

Successful

Emergency Calls

710801	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/Emergency Call /TC710801	
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.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech, no HLC	
Comments:		

710802	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.1
TSS reference:	PLMN-ISDN/Basic_call/Successful/ Emergency Call /TC710802	
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:		

710803	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/ Emergency Call /TC710803	
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.	
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.	

710804	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 4.5.1.5 subclause 5.2.1 ETS 300 604 [42], subclause 10.2.1
TSS reference:	PLMN-ISDN/Basic_call/Successful/ Emergency Call /TC710804	
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.	
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.	

710805	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 4.5.1.5 subclause 5.2 ETS 300 604 [42], subclause 10.2
TSS reference:	PLMN-ISDN/Basic_call/Successful/ Emergency Call /TC710805	
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 recognized by the VLR. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer.	
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 recognized by the VLR.	

710806	**ISDN ref. to:** EN 300 403-1 [1], subclause 4.5.5, subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], subclause 4.5.1.5 subclause 5.2.1 ETS 300 604 [42], subclause 10.2.1
TSS reference:	PLMN-ISDN/Basic_call/Successful/ Emergency Call /TC710806	
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 recognized by the VLR. 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:	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 recognized by the VLR.	

6.2.7.2 Unsuccessful

Unsuccessful
speech

720101	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.1
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Speech/TC720101	
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.	

720102	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Speech/TC720102	
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:		

720103	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], H.1.7 ETS 300 599 [41], subclause 18.2, subclause 18.3.2
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Speech/TC720103	
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:		

720104	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.8
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Speech/TC720104	
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:		

720105	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1.9, subclause 5.3.2, Annex M	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, Annex H.1.9
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Speech/TC720105	
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:		

720106	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2, Annex M; ETS 300 557 [35] Annex B.3.2	**PLMN ref. to:** ETS 300 557 [35], Annex H.5.3
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Speech/TC720106	
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:		

720107	**ISDN ref. to:** EN 300 403-1 [1], Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.5
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Speech/TC720107	
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

720201	**ISDN ref. to:** 300 403-1, subclause 5.2.1	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.1
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC720201	
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.	

720202	**ISDN ref. to:** EN 300 403-1 [1], 5.2.5.3	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC720202	
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 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	According ETS 300 102-1 [46] subclause 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	

720203	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.5.4.	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.7 ETS 300 599 [41], subclause 18.2, subclause 18.3.2
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC720203	
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 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:	According ETS 300 102-1 [46] subclause 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	

720204	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.5.4.	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.8
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC720204	
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 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:	According ETS 300 102-1 [46] subclause 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	

720205	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.3.2, Annex M	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2.3.1, Annex H.1.9
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC720206	
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 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	According ETS 300 102-1 [46] subclause 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	

720206	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.2, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex B.3.2, H 5.3
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC720206	
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 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	According ETS 300 102-1 [46] subclause 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	

720207	**ISDN ref. to:** EN 300 403-1 [1], Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.5
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC720207	
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 [46])	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	According ETS 300 102-1 [46] subclause 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

720301	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1.4	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.1
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/UDI/TC720301	
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:		

720302	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.5.4.	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/UDI/TC720302	
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:		

720303	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.5.4	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.7 ETS 300 599 [41], subclause 18.2, subclause 18.3.2
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/UDI/TC720303	
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:		

720304	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.5.4	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.8
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/UDI/TC720304	
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:		

720305	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.3, Annex M	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2.3.1, Annex H.1.9
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/UDI/TC720305	
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:		

720306	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.3, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.5.3
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/UDI/TC720306	
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:		

720307	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.3, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.5
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/UDI/TC720307	
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

720401	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.1
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Facsimile G3/TC720401	
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.	

720402	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.5.1	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Facsimile G3/TC720402	
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:		

720403	**ISDN ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.5.4	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.7 ETS 300 599 [41], subclause 18.2, subclause 18.3.2
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Facsimile G3/TC720403	
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:		

720404	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.5.4	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.8
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Facsimile G3/TC720404	
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:		

720405	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1.9 , subclause 5.3.2, Annex M	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, Annex H.1.9
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Facsimile G3/TC720405	
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:		

720406	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.2 , Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H. 5.3
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Facsimile G3/TC720406	
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:		

720407	**ISDN ref. to:** EN 300 403-1 [1], Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.5
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Facsimile G3/TC720407	
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

720501	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.1
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC720501	
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.	

720502	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.5 .1	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC720502	
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:		

720503	**ISDN ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.5.4	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.7 ETS 300 599 [41], subclause 18.2, subclause 18.3.2
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC720503	
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:		

720504	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.5.4	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.8
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile group 3 /TC720504	
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:		

720505	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.1.9, subclause 5.3.2, Annex M	**PLMN ref. to:** ETS 300 557 [35], subclause 5.1, Annex H.1.9
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile group 3 /TC720505	
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:		

720506	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.2, Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.5.3
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile G3/ TC720506	
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:		

720507	**ISDN ref. to:** EN 300 403-1 [1], Annex M	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.5
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile group 3 TC720507	
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

720601	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.1
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Emergency Calls/TC720601	
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:		

720602	**ISDN ref. to:** EN 300 403-1 [1], subclause 5.2.5.4	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.8
TSS reference:	PLMN-ISDN/Basic_call/Unsuccessful/Emergency Calls/TC720602	
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:		

6.2.8 Test purposes for PLMN-ISDN Supplementary services

6.2.8.1 Bearer capability "speech"

Supplementary Services

Speech

810101	**ISDN ref. to:** ETS 300 092-1 [6] EN 300 403-1 [1], subclause 4.5.10, subclause 4.5.11	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.2, ETS 300 542 [57], subclause 1 ETS 300 565 [36], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CLIP/TC810101	
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= speech Calling party number: PI=PA TON= national/international number SI=NP NPI=ISDN/Telephony numbering plan	
PLMN parameter values:	GSM-BC=speech, Calling party subaddress	
Comments:		

810102	**ISDN ref. to:** ETS 300 092-1 [6] subclause 9.3 EN 300 403-1 [1], subclause 4.5.10	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.2 ETS 300 542 [57], subclause 1, ETS 300 565 [36], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CLIP/TC810102	
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= speech, Calling party number: PI=PA TON= national/international number SI=NP NPI=ISDN/Telephony numbering plan	
PLMN parameter values:	GSM-BC=speech	
Comments:		

810201	**ISDN ref. to:** ETS 300 093-1 [7] ETS 300 092-1 [6] /A2 Fig2	**PLMN ref. to:** ETS 300 557 [35], 9.3.23.2 ETS 300 542 [57], subclause 2, ETS 300 565 [36], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CLIR/TC810201	
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= speech Calling party number: PI=PR TON = NP I= unknown SI=NP	
PLMN parameter values:	GSM-BC=speech, Calling party subaddress	
Comments:		

810202	**ISDN ref. to:** ETS 300 093-1 [7] subclause 9.4.1 ETS 300 092-1 [6] /A2 Fig2	**PLMN ref. to:** ETS 300 557 [35], 9.3.23.2 ETS 300 542 [57], subclause 2 ETS 300 565 [36], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CLIR/TC810202	
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= speech Calling party number: PI=PR TON = NP I= unknown SI=NP	
PLMN parameter values:	GSM-BC=speech	
Comments:		

810301	**ISDN ref. to:** ETS 300 097-1 [8] subclause 9.5.1	**PLMN ref. to:** ETS 300 557 [35], 9.3.5.2 ETS 300 542 [57], subclause 3 ETS 300 565 [36], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/COLP/TC810301	
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=speech; Connected number PI=PA, SI=UPVP, TON= national/international number, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25]) Connected subaddress number	
Comments:		

810302	**ISDN ISDN ref. to:** ETS 300 097-1 [8] subclause 9.5.1	**PLMN ref. to:** ETS 300 557 [35], 9.3.5.2 ETS 300 542 [57], subclause 3 ETS 300 565 [36], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/COLP/TC810302	
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=speech, Connected number: SI=NP PI=PA TON= national/international number, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])	
Comments:		

810401	**ISDN ref. to:** ETS 300 098-1 [9] subclause 9.3.1, subclause 9.4.1 ETS 300 097-1 [8] /A2 Fig 4	**PLMN ref. to:** ETS 300 557 [35], 9.3.5.2 ETS 300 542 [57], subclause 3 ETS 300 565 [36], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/COLR/TC810401	
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=speech, Connected number: PI=PR, SI=NP, TON=unknown, NPI=unknown	
Comments:		

810501	**ISDN ref. to:** ETS 300 138-1 [10] subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CUG/TC810501	
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=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA)	
Comments:		

810502	**ISDN ref. to:** ETS 300 138-1 [10] subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CUG/TC810502	
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=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
Comments:		

810503	**ISDN ref. to:** ETS 300 138-1 [10] subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CUG/TC810503	
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=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
Comments:		

810504	**ISDN ref. to:** ETS 300 138-1 [10] subclause 9.2.2, subclause 9.2.4 Q.735	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CUG/TC810504	
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=speech	
PLMN parameter values:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
Comments:		

810505	**ISDN ref. to:** ETS 300 138-1 [10] subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CUG/TC810505	
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=speech; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
Comments:		

810506	**ISDN ref. to:** ETS 300 138-1 [10] subclause 9.2.2	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CUG/TC810506	
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=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
Comments:		

810507	**ISDN ref. to:** ETS 300 138-1 [10] subclause 9.2.3	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CUG/TC810507	
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=speech	
Comments:		

810508	**ISDN ref. to:** ETS 300 138-1 [10] subclause 9.2.2	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CUG/TC810508	
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=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
Comments:		

810509	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CUG/TC810513	
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=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
Comments:		

810510	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CUG/TC810510	
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=speech; ForwardCUG-Info: CUG Index (CI).	
Comments:		

810601	**ISDN ref. to:** ETS 300 061-1 [11], subclause 9.2 EN 300 403-1 [1], subclause 4.5.9	**PLMN ref. to:** ETS 300 557 [35], 9.3.23.1.5
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/SUB/TC810601	
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=speech, Called party subaddress	
Comments:		

810602	**ISDN ref. to:** ETS 300 061-1 [11], subclause 9.2 EN 300 403-1 [1], subclause 4.5.9	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.1.5
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/SUB/TC810602	
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=speech, Called party subaddress	
PLMN parameter values:	GSM-BC=speech, Called party subaddress	
Comments:		

810701	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFU/TC810701	
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.	
ISDN parameter values:	CFU active	
PLMN parameter values:	GSM-BC=speech	
Comments:		

810702	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFU/TC810702	
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.	
ISDN parameter values:	CFU active	
PLMN parameter values:	GSM-BC=speech	
Comments:		

810703	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFU/TC810703	
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:	CFU active	
PLMN parameter values:	GSM-BC=speech	
Comments:		

810704	**ISDN ref. to:** ETS 300 207-1 [15], subclause 10.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFU/TC810704	
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.	
ISDN parameter values:	CFU - partial rerouting	
PLMN parameter values:	GSM-BC=speech	
Comments:		

810705	**ISDN ref. to:** ETS 300 207-1 [15], subclause 10.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFU/TC810705	
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.	
ISDN parameter values:	CFU - partial rerouting	
PLMN parameter values:	GSM-BC=speech	
Comments:		

810801	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFB/TC810801	
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.	
ISDN parameter values:	CFB-UDUB active	
PLMN parameter values:	**A: !** GSM-BC=speech; **C: ?** GSM-BC=speech;	
Comments:		

810802	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFB/TC810802	
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.	
ISDN parameter values:	CFB active	
PLMN parameter values:	**A: !** GSM-BC=speech; **C: ?**GSM-BC=speech;	
Comments:		

810803	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFB/TC810803	
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.	
ISDN parameter values:	CFB active	
PLMN parameter values:	**A: !** GSM-BC=speech; **C: ?** GSM-BC=speech;	
Comments:		

810804	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFB/TC810804	
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.	
ISDN parameter values:	CFB active	
PLMN parameter values:	**A: !** GSM-BC=speech; **C: ?** GSM-BC=speech;	
Comments:		

810805	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFB/TC810805	
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=speech; **C: ?**GSM-BC=speech;	
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.	

810806	**ISDN ref. to:** ETS 300 207-1 [15], subclause 10.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFB/TC810806	
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.	
ISDN parameter values:	CFB – partial rerouting	
PLMN parameter values:	GSM-BC=speech	
Comments:		

810807	**ISDN ref. to:** ETS 300 207-1 [15], subclause 10.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFB/TC810807	
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.	
ISDN parameter values:	CFB – partial rerouting	
PLMN parameter values:	GSM-BC=speech	
Comments:		

810808	**ISDN ref. to:** ETS 300 207-1 [15], subclause 10.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFB/TC810808	
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.	
ISDN parameter values:	CFB – partial rerouting	
PLMN parameter values:	GSM-BC=speech	
Comments:		

810809	**ISDN ref. to:** ETS 300 207-1 [15], subclause 10.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFB/TC810809	
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.	
ISDN parameter values:	CFB – partial rerouting	
PLMN parameter values:	GSM-BC=speech	
Comments:		

810901	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFNR/TC810901	
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.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=speech	
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.	

810902	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFNR/TC810902	
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.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=speech	
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.	

810903	**ISDN ref. to:** EN 300 403-1 [1], subclause 9.2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFNR/TC810903	
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.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=speech	
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.	

810904	**ISDN ref. to:** EN 300 403-1 [1], subclause 9.2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFNR/TC810904	
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.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=speech	
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.	

810905	**ISDN ref. to:** EN 300 403-1 [1], subclause 9.2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFNR/TC810905	
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=speech	
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.	

810906	**ISDN ref. to:** EN 300 403-1 [1], subclause 9.2.2, subclause 10.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFNR/TC810906	
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.	
ISDN parameter values:	CFNR - partial rerouting	
PLMN parameter values:	GSM-BC=speech	
Comments:		

810907	**ISDN ref. to:** EN 300 403-1 [1], subclause 9.2.2, subclause 10.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFNR/TC810907	
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.	
ISDN parameter values:	CFNR - partial rerouting	
PLMN parameter values:	GSM-BC=speech	
Comments:		

810908	**ISDN ref. to:** EN 300 403-1 [1], subclause 9.2.2 , subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFNR/TC810908	
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.	
ISDN parameter values:	CFNR - partial rerouting	
PLMN parameter values:	GSM-BC=speech	
Comments:		

810909	**ISDN ref. to:** EN 300 403-1 [1], subclause 9.2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CFNR/TC810909	
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.	
ISDN parameter values:	CFNR - partial rerouting	
PLMN parameter values:	GSM-BC=speech	
Comments:		

811001	**ISDN ref. to:** ETS 300 141-1 [18], subclause 7 ETS 300 196-1, subclause 7.1	**PLMN ref. to:** ETS 300 544 [32], subclause 2 ETS 300 567 [38], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/HOLD/TC811001	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

811002	**ISDN ref. to:** ETS 300 141-1 [18], subclause 7 ETS 300 196-1, subclause 7.1	**PLMN ref. to:** ETS 300 544 [32], subclause 2 ETS 300 567 [38], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/HOLD/TC811002	
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=speech	
Comments:		

811101	**ISDN ref. to:** ETS 300 058-1 [19], subclause 7 EN 300 403-1 [1], subclause 4.5.2.1	**PLMN ref. to:** ETS 300 544 [32], subclause 1 ETS 300 567 [38], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CW/TC811901	
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=speech	
Comments:		

811102	**ISDN ref. to:** ETS 300 058-1 [19], subclause 7 EN 300 403-1 [1], subclause 4.5.2.1	**PLMN ref. to:** ETS 300 544 [32], subclause 1 ETS 300 567 [38], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CW/TC811102	
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=speech	
Comments:		

811201	**ISDN ref. to:** ETS 300 286-1 [13] subclause 9.1.1.1, subclause 9.1.2.1 EN 300 403-1 [1], subclause 4.5.30	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25,
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/UUS1/TC811201	
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=speech, UI length=32	
PLMN parameter values	GSM-BC=speech, UI length=32	
Comments:		

811202	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.2.1 EN 300 403-1 [1], subclause 4.5.30	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25,
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/UUS1/TC811202	
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=speech, UI length=32	
PLMN parameter values	GSM-BC=speech, UI length=32	
Comments:		

811203	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.2.1 EN 300 403-1 [1], subclause 4.5.30	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25,
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/UUS1/TC811203	
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=speech, UI length=32	
PLMN parameter values:	GSM-BC=speech, UI length=32	
Comments:		

811204	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.2.2.1a EN 300 403-1 [1],	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25,
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/UUS1/TC811204	
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=speech, UI length=32	
PLMN parameter values	GSM-BC=speech, UI length=32	
Comments:		

811205	**ISDN ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.2.2.1b EN 300 403-1 [1],	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25,
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/UUS1/TC811205	
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=speech, UI length=32	
PLMN parameter values	GSM-BC=speech, UI length=32	
Comments:		

811206	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	**PLMN ref. to:**
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/UUS1/TC811206	
ISDN selection criteria:	UUS1i	
PLMN selection criteria:	The calling (served) user is provided with UUS1 implicit request.	
Test purpose:	To verify that UUI can be discarded by the ISDN network without disrupting Normal call handling	
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	.	

NON-SYMMETRICAL TESTS

820101	**ISDN ref. to:** ETS 300 055-1 [12], subclause 9.2.1 EN 300 403-1 [1], subclause 5.6	**PLMN ref. to:** ETS 300 646-1subclause 6.1.1.3
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/TP/TC820101	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	The called user has a basic access	

820102	**ISDN ref. to:** ETS 300 055-1 [12], subclause 9.2.2 EN 300 403-1 [1], subclause 5.6.5	**PLMN ref. to:** ETS 300 646-1 subclause 6.1.1.3
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/TP/TC820102	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	The called user has a basic access	

820201	**ISDN ref. to:** ETS 300 130-1 [16]	**PLMN ref. to:** ETS 300 646-1subclause 6.1.1.7
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/MCID/TC820201	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820202	**ISDN ref. to:** ETS 300 130-1 [16]	**PLMN ref. to:** ETS 300 646-1subclause 6.1.1.7
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/MCID/TC820202	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820301	**ISDN ref. to:** EN 300 403-1 [1] subclause 5.2	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/MPTY/TC820301	
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=speech	
PLMN parameter values:	GSM-BC=speech	
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.	

820302	**ISDN ref. to:** EN 300 403-1 [1] subclause 5.2	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/MPTY/TC820302	
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=speech	
PLMN parameter values:	GSM-BC=speech	
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.	

820303	**ISDN ref. to:** EN 300 403-1 [1] subclause 5.2	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/MPTY/TC820303	
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=speech	
PLMN parameter values:	GSM-BC=speech	
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.	

820304	**ISDN ref. to:** EN 300 403-1 [1] subclause 5.2	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/MPTY/TC820304	
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=speech	
PLMN parameter values:	GSM-BC=speech	
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.	

820305	**ISDN ref. to:** EN 300 403-1 [1] subclause 5.2	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/MPTY/TC820305	
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=speech	
PLMN parameter values:	GSM-BC=speech	
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.	

820306	**ISDN ref. to:** EN 300 403-1 [1] subclause 5.2	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/MPTY/TC820306	
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=speech	
PLMN parameter values:	GSM-BC=speech	
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.	

820307	**ISDN ref. to:** EN 300 403-1 [1] subclause 5.2	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/MPTY/TC820307	
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=speech	
PLMN parameter values:	GSM–BC=speech	
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.	

820308	**ISDN ref. to:** EN 300 403-1 [1] subclause 5.2	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/MPTY/TC820308	
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=speech	
PLMN parameter values:	GSM-BC=speech	
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.	

820309	**ISDN ref. to:** EN 300 403-1 [1] subclause 5.2	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/MPTY/TC820309	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820310	**ISDN ref. to:** EN 300 403-1 [1] subclause 5.2	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/MPTY/TC820310	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820311	**ISDN ref. to:** EN 300 403-1 [1] subclause 5.2	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/MPTY/TC820311	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820401	**ISDN ref. to:** ETS 300 369-1 [20], subclause 9	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/ECT/TC820401	
ISDN selection criteria:	ECT	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2 and is provided with ECT using implicit linkage. The PLMN user A and the PLMN user C are in network N1. Ensure that when user B invokes ECT in which the call **A-B** is in the **Active call state – Call Held auxiliary state** and the call **B-C** is in the **Active call state** a connection between user A and user C is established and the calls A-B and B-C are released. The call clearing procedure of the B-C connection is performed from user B.	
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820402	**ISDN ref. to:** ETS 300 369-1 [20], subclause 9	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/ECT/TC820402	
ISDN selection criteria:	ECT	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with ECT using implicit linkage. The PLMN user A and PLMN user C are in network N1. Ensure that when user B invokes ECT in which the call **A-B** is in the **Active call sate** and the call **B-C** is in the **Active call state – Call Held auxiliary state,** a connection between user A and user C is established and the calls A-B and B-C are released. The call clearing procedure of the B-C connection is performed from user C.	
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820403	**ISDN ref. to:** ETS 300 369-1 [20], subclause 9	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/ECT/TC820403	
ISDN selection criteria:	ECT	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with ECT using implicit linkage. Ensure that when user B invokes ECT in which the call **A-B** is in the **Active call state - Call Held auxiliary state** and the call **B-C** is in the **Call Delivered State** a connection between user A and user C is established and the calls A-B and B-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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820404	**ISDN ref. to:** ETS 300 369-1 [20], subclause 9	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/ECT/TC820403	
ISDN selection criteria:	ECT	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with ECT using implicit linkage. Ensure that when user B invokes ECT in which the call **A-B** is in the **Active call state** and the call **B-C** is in the **Call Delivered State - Call Held auxiliary state,** a connection between user A and user C is established and the calls A-B and B-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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820501	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CD/TC820501	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820502	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CD/TC820502	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820503	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CD/TC820503	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820504	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CD/TC820504	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820505	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CD/TC820505	
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 Call Received Call state N07 the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820506	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CD/TC820506	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820507	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CD/TC820507	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820508	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CD/TC820508	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820509	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CD/TC820509	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820510	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CD/TC820510	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820511	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CD/TC820511	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820512	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CD/TC820512	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820601	**ISDN ref. to:**	**PLMN ref. to:** ETS 300 548 [34]
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/Call barring service/TC820601	
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=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

820701	**ISDN ref. to:** ETS 300 185-1 [14], subclause 9.2.2, ANNEX A, Figure A.2	**PLMN ref. to:** ETS 300 646-1 subclause 6.1.1.8
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/CONF/TC820701	
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=speech	
PLMN parameter values:	GSM-BC=speech	
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.	

820801	**ISDN ref. to:** ETS 300 188-1 [17], subclause 9.2	**PLMN ref. to:** ETS 300 646-1, subclause 6.1.1.14
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/3PTY/TC820801	
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=speech	
PLMN parameter values:	GSM-BC=speech	
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.	

820802	**ISDN ref. to:** ETS 300 188-1 [17], subclause 9.2	**PLMN ref. to:** ETS 300 646-1, subclause 6.1.1.14
TSS reference:	PLMN-ISDN/Supplementary_services/Speech/3PTY/TC820802	
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=speech	
PLMN parameter values:	GSM-BC=speech	
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.	

6.2.8.2 Bearer capability "UDI"

Supplementary Services
UDI

830101	**ISDN ref. to:** ETS 300 092-1 [6], subclause 9.3, EN 300 403-1 [1], subclause 4.5.10, subclause 4.5.11	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.2 ETS 300 542 [57], subclause 1, ETS 300 565 [36], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CLIP/TC830101	
ISDN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:	CLIP	
Test purpose:	Ensure that when 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=UDI with V.110/X.30 rate adaption, Calling party number PI=PA SI=NP, TON=national/international NPI=ISDN/Telephony numbering plan Calling party subaddress number	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption, Calling party subaddress number	
Comments:		

830102	**ISDN ref. to:** ETS 300 092-1 [6] subclause 9.3 EN 300 403-1 [1], subclause 4.5.10	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.2 ETS 300 542 [57], subclause 1, ETS 300 565 [36], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CLIP/TC830102	
ISDN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:	CLIP	
Test purpose:	Ensure that when No Calling party subaddress information element 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=UDI with V.110/X.30 rate adaption; Calling party number PI= PA, SI=NP TON= national/international; NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

830201	**ISDN ref. to:** ETS 300 093-1 [7], subclause 9.4.1: ETS 300 092-1 [6] /A2 Fig2	**PLMN ref. to:** ETS 300 557 [35], 9.3.23.2 ETS 300 542 [57], subclause 2, ETS 300 565 [36], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CLIR/TC830201	
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	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption; Calling party number: PI=PR, TON = unknown, NPI = unknown SI=NP	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption, Calling party subaddress	
Comments:		

830301	**ISDN ref. to:** ETS 300 097-1 [8], subclause 9.5.1	**PLMN ref. to:** ETS 300 557 9.3.subclause 5.1, 9.3.23.2 ETS 300 542 [57], subclause 3, ETS 300 565 [36], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/COLP/TC830301	
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:	BC=UDI with V.110/X.30 rate adaption; Connected subaddress	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption; PI= PA, SI=UPVP, TON= national/international, Connected subaddress, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])	
Comments:		

830302	**ISDN ISDN ref. to:** ETS 300 097-1 [8], subclause 9.5.1	**PLMN ref. to:** ETS 300 557 9.3.subclause 5.1, ETS 300 542 [57], subclause 3, ETS 300 565 [36], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/COLP/TC830302	
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:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption, Connected number: PI= PA SI=NP TON= national/international, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])	
Comments:		

830401	**ISDN ref. to:** ETS 300 098-subclause 19.3.1, subclause 9.4.1 ETS 300 097-1 [8] /A2 Fig 4	**PLMN ref. to:** ETS 300 557 [35] subclause 9.3, subclause 5.1, subclause 9.3.23.2 ETS 300 542 [57], clause 3 ETS 300 565 [36], clause 3
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/COLR/TC830401	
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:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption, Connected number PI=PR, SI=NP, TON=unknown, NPI=unknown	
Comments:		

830501	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CUG/TC830501	
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=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA)	
Comments:		

830502	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CUG/TC830502	
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=UDI with V.110/X.30 rate adaption; Facility IE with cUGCall invoke component: "Outgoing access with default value, CUG index"	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
Comments:		

830503	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CUG/TC830503	
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=UDI with V.110/X.30 rate adaption;	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
Comments:		

830504	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CUG/TC830504	
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=UDI with V.110/X.30 rate adaption;	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
Comments:		

830505	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CUG/TC830505	
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=UDI with V.110/X.30 rate adaption; Facility IE with cUGCall invoke component: "Outgoing access with default value, CUG index"	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
Comments:		

830506	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CUG/TC830506	
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=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
Comments:		

830507	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.3	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CUG/TC830507	
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=UDI with V.110/X.30 rate adaption;	
Comments:		

830508	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CUG/TC830508	
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=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
Comments:		

830509	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CUG/TC830513	
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=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
Comments:		

830510	**ISDN ref. to:** ETS 300 138-1 [10], subclause 9.2.2, subclause 9.2.4	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CUG/TC830510	
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 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=UDI with V.110/X.30 rate adaption;; Facility IE with cUGCall invoke component: "Outgoing access with default value, CUG index"	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI).	
Comments:		

830601	**ISDN ref. to:** ETS 300 073-1,subclause 9.2 EN 300 403-1 [1], subclause 4.5.9	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.1.5
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/SUB/TC830601	
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=UDI with V.110/X.30 rate adaption, Called party subaddress	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

830602	**ISDN ref. to:** ETS 300 061-1 [11], subclause 9.2 EN 300 403-1 [1], subclause 4.5.9	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.1.5
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/SUB/TC830602	
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=UDI with V.110/X.30 rate adaption, Called party subaddress	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption, Called party subaddress	
Comments:		

830701	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFU/TC830701	
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.	
ISDN parameter values:	CFU active	
PLMN parameter values:	GSM-BC= UDI with V.110/X.30 rate adaption	
Comments:		

830702	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFU/TC830702	
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.	
ISDN parameter values:	CFU active	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

830703	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFU/TC830703	
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:	CFU active	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

830704	**ISDN ref. to:** ETS 300 207-1 [15], subclause 10.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFU/TC830704	
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.	
ISDN parameter values:	CFU – partial rerouting	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

830705	**ISDN ref. to:** ETS 300 207-1 [15], subclause 10.5	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFU/TC830705	
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.	
ISDN parameter values:	CFU – partial rerouting	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

830801	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFB/TC830801	
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.	
ISDN parameter values:	CFB-UDUB active	
PLMN parameter values:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption; **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption;	
Comments:		

830802	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFB/TC830802	
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.	
ISDN parameter values:	CFB active	
PLMN parameter values:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption; **C: ?**GSM-BC=UDI with V.110/X.30 rate adaption;	
Comments:		

830803	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFB/TC830803	
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.	
ISDN parameter values:	CFB active;	
PLMN parameter values:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption; **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption;	
Comments:		

830804	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFB/TC830804	
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.	
ISDN parameter values:	CFB active	
PLMN parameter values:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption; **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption;	
Comments:		

830805	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.3, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFB/TC830805	
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=UDI with V.110/X.30 rate adaption	
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.	

830806	**ISDN ref. to:** ETS 300 207-1 [15], subclause 10.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFB/TC830806	
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.	
ISDN parameter values:	CFB – partial rerouting	
PLMN parameter values:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption; **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption;	
Comments:		

830807	**ISDN ref. to:** ETS 300 207-1 [15], subclause 10.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFB/TC830807	
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.	
ISDN parameter values:	CFB – partial rerouting	
PLMN parameter values:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption; **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption;	
Comments:		

830808	**ISDN ref. to:** ETS 300 207-1 [15], subclause 10.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFB/TC830808	
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.	
ISDN parameter values:	CFB – partial rerouting	
PLMN parameter values:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption; **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption;	
Comments:		

830809	**ISDN ref. to:** ETS 300 207-1 [15] subclause 10.5	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFB/TC830809	
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.	
ISDN parameter values:	CFB – partial rerouting	
PLMN parameter values:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption; **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption;	
Comments:		

830901	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9. 2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFNR/TC830901	
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.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption; **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption;	
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.	

830902	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFNR/TC830902	
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.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption; **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption;	
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.	

830903	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFNR/TC830903	
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.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
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.	

830904	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9. 2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFNR/TC830904	
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.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption; **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption;	
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.	

830905	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9. 2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFNR/TC830905	
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:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption; **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption;	
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.	

830906	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 10.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFNR/TC830906	
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.	
ISDN parameter values:	CFNR – partial rerouting	
PLMN parameter values:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption; **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption;	
Comments:		

830907	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 10.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFNR/TC830907	
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.	
ISDN parameter values:	CFNR – partial rerouting	
PLMN parameter values:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption; **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption;	
Comments:		

830908	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFNR/TC830908	
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.	
ISDN parameter values:	CFNR – partial rerouting	
PLMN parameter values:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption; **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption;	
Comments:		

830909	**ISDN ref. to:** ETS 300 207-1 [15], subclause 9.2.2, subclause 9.2.4.4, subclause 9.2.5	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CFNR/TC830909	
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.	
ISDN parameter values:	CFNR – partial rerouting	
PLMN parameter values:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption; **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption;	
Comments:		

831001	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.1.1, subclause 9.1.2.1 EN 300 403-1 [1], subclause 4.5.30	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25,
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/UUS1/TC831001	
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=UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values	GSM-BC=UDI with V.110/X.30 rate adaption, UI length=32	
Comments:		

831002	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.2.1 EN 300 403-1 [1], subclause 4.5.30	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25,
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/UUS1/TC831002	
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=UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption, UI length=32	
Comments:		

831003	**ISDN ref. to:** ETS 300 286-1 [13], subclause 9.1.2.2.1a EN 300 403-1 [1], subclause 4.5.30	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25,
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/UUS1/TC831003	
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=UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values	GSM-BC=UDI with V.110/X.30 rate adaption, UI length=32	
Comments:		

831004	**ISDN ref. to** ETS 300 286-1 [13], subclause 9.1.2.2.1b EN 300 403-1 [1], subclause 4.5.30	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25,
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/UUS1/TC831004	
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=UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values	GSM-BC=UDI with V.110/X.30 rate adaption, UI length=32	
Comments:		

831005	**ISDN ref. to:** ETS 300 286-1 [13],subclause 9.1.1.2.2 EN 300 403-1 [1], subclause 7	**PLMN ref. to:** ETS 300 557 [35]
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/UUS1/TC831005	
ISDN selection criteria:	UUS1i	
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=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption, UI length=32	
Comments:	.	

840101	**ISDN ref. to:**	**PLMN ref. to:** ETS 300 548 [34]
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/Call barring service/TC840101	
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=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

840201	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CD/TC840201	
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=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

840202	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CD/TC840202	
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=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

840203	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CD/TC840203	
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=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

840204	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CD/TC840204	
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=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

840205	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CD/TC840205	
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 Call Received Call state N07 the user B receives a DISCONNECT or RELEASE message with cause #31.	
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:		

840206	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CD/TC840206	
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=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

840207	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CD/TC840207	
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 Connect Request call state N08, the user B receives a DISCONNECT or RELEASE message with cause #31.	
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:		

840208	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CD/TC840208	
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=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

840209	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CD/TC840209	
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=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

840210	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CD/TC840210	
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 Active state, the user B receives a DISCONNECT or RELEASE message with cause #31.	
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:		

840211	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CD/TC840211	
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 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=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

840212	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2
TSS reference:	PLMN-ISDN/Supplementary_services/UDI/CD/TC840212	
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 Active state, the user B receives a DISCONNECT or RELEASE message with cause #31.	
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:		

6.2.9 Test purposes for PLMN-ISDN, B-channel end-to-end performance

910101	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** ETS 300 557 [35] ITU-T Rec. G 101
TSS reference:	PLMN-ISDN/ B-channel end-to-end performance /Speech/TC910101	
ISDN selection criteria:	Data transmission	
PLMN selection criteria:	B-channel transmission	
Test purpose:	To ensure that speech transfer on the B-channel is performed correctly.	
ISDN parameter values:		
PLMN parameter values:	GSM-BC= speech	
Comments:	The tests should be based on the E-Model described in the ITU-T Rec. G. 101 Appendix I.	

910201	**ISDN ref. to:** ETS 300 195-1 [21], subclause 5.29, subclause 5.27	**PLMN ref. to:** ETS 300 557 [35] ITU-T Rec. G 101
TSS reference:	PLMN-ISDN/ B-channel end-to-end performance /3,1 kHz audio ex PLMN /TC910201	
ISDN selection criteria:		
PLMN selection criteria:		
Test purpose:	To ensure that 3,1 kHz signal transfer on the B-channel is performed correctly.	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:	The tests should be based on the E-Model described in the ITU-T Rec. G. 101 Appendix I.	

910301	**ISDN ref. to:** ETS 300 195-1 [21], subclause 5.29, subclause 5.27	**PLMN ref. to:** ETS 300 578 [55]
TSS reference:	PLMN-ISDN/ B-channel end-to-end performance/UDI/TC910301	
ISDN selection criteria:	B-channel transmission	
PLMN selection criteria:	Data transmission	
Test purpose:	To verify compliance with the requirements for error and octet slip for the first or the last continuous 24 hour period.	
ISDN parameter values:		
PLMN parameter values:	GSM-BC = UDI, V.110 [47] /X.30 [49] synchronous mode; PRBS=2^{11}-1	
Comments:	The test should be based in the requirements described in the ETS 300 578 [55]	

6.2.10 Test purposes for PLMN-PSTN, Basic call

6.2.10.1 Successful

Successful

Speech

1010101	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1.4.1, subclause 5.5.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successful/Speech/1010101	
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".	
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. The table 1 shows the sending criteria of each value.	

1010102	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successful/Speech/TC1010102	
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=speech and can contain a HLC=telephony.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:		

1010103	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successful/Speech/TC1010103	
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=speech and can contain a HLC=telephony.	
PSTN parameter values:		
PLMN parameter values:	BC=speech	
Comments:		

1010104	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successful/Speech/TC1010104	
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=speech and can contain a HLC=telephony.	
PSTN parameter values:		
PLMN parameter values:	BC=speech	
Comments:		

1010105	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 5.5.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successful/Speech/TC1010105	
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".	
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. The table 1 shows the sending criteria of each value.	

Successful

3,1 kHz audio ex PLMN

1010201	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1.4.1, subclause 5.5.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successful/3,1 kHz audio ex PLMN/1010201	
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".	
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. The table 1 shows the sending criteria of each value.	

1010202	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successful/3,1 kHz audio ex PLMN /TC1010202	
PSTN selection criteria:		
PLMN selection criteria:	Audio	
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears after answer.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, no LLC	
Comments:		

1010203	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successful/3,1 kHz audio ex PLMN /TC1010203	
PSTN selection criteria:		
PLMN selection criteria:	Audio	
Test purpose:	Ensure that the clearing procedure is performed correctly when the called user clears after answer.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, no LLC	
Comments:		

1010204	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 5.5.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successful/3,1 kHz audio ex PLMN /TC1010204	
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".	
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. The table 1 shows the sending criteria of each value.	

Successful

Facsimile group 3

1010301	**PSTN ref. to:** ETS 300 001	**PLMN ref. To:** ETS 300 557 [35], subclause 5.2.1, subclause 5.5.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successful/Facsimile G3/TC1010301	
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".	
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. The table 1 shows the sending criteria of each value.	

1010302	**PSTN ref. to:** ETS 300 001	**PLMN ref. To:** ETS 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successful/Facsimile G3/TC1010302	
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.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:		

1010303	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successful/Facsimile G3/TC1010303	
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	
PSTN parameter values:		
PLMN parameter values:	BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:		

Successful

Alternate speech and facsimile group 3

1010401	**PSTN ref. to:** ETS 300 001	**PLMN ref. To:** ETS 300 557 [35], subclause 5.2.1
TSS reference:	PLMN-PSTN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1010401	
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.	
PSTN parameter values:		
PLMN parameter values:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
Comments:		

1010402	**PSTN ref. to:** ETS 300 001	**PLMN ref. To:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PSTN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1010402	
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.	
PSTN parameter values:		
PLMN parameter values:	first GSM-BC=speech second GSM-BC= facsimile G3,	
Comments:		

1010403	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2, subclause 5.5.1, ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PSTN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1010403	
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".	
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. The table 1 shows the sending criteria of each value.	

1010404	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2, subclause 5.5.1 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10
TSS reference:	PLMN-PSTN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1010404	
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".	
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. The table 1 shows the sending criteria of each value.	

← 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

1010501	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1.4.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successful/Emergency Call/1010501	
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.	
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. The table 1 shows the sending criteria of each value.	

1010502	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successful/Emergency Call/TC1010502	
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.	
PSTN parameter values:		
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech, no HLC	
Comments:		

1010503	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successful/Emergency Call/TC1010503	
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.	
PSTN parameter values:		
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech	
Comments:		

1010504	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successful/Emergency Call/TC1010504	
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.	
PSTN parameter values:		
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech	
Comments:		

1010505	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successful/Emergency Call/TC1010505	
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.	
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.	

1010506	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successful/Emergency Call/TC1010506	
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.	
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.	

1010507	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successful/Emergency Call/TC1010507	
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 recognized 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.	
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 recognized by the VLR.	

1010508	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Successful/Emergency Call/TC1010508	
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 recognized 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.	
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 recognized by the VLR.	

6.2.10.2 Unsuccessful

UNSUCCESSFUL
Speech

1020101	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 5.4 subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Unsuccessful/Speech/TC1020101	
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.	

1020102	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 5.4 subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Unsuccessful/Speech/TC1020102	
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.	

1020103	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 5.4 subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Unsuccessful/Speech/TC1020103	
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.	

1020104	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 5.4 subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Unsuccessful/Speech/TC1020104	
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

1020201	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 5.4, subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Unsuccessful/3,1 kHz ex PLMN/TC1020201	
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.	

1020202	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 5.4 subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Unsuccessful/3,1 kHz ex PLMN/TC1020202	
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:		

1020203	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 5.4 subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Unsuccessful/3,1 kHz ex PLMN/TC1020203	
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:		

1020204	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 5.4 subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Unsuccessful/3,1 kHz ex PLMN/TC1020204	
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

Facsimile group 3

1020301	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.1
TSS reference:	PLMN-PSTN/Basic_call/Unsuccessful/Facsimile G3/TC1020301	
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.	

1020302	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6
TSS reference:	PLMN-PSTN/Basic_call/Unsuccessful/Facsimile G3/TC1020302	
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:		

1020303	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.8
TSS reference:	PLMN-PSTN/Basic_call/Unsuccessful/Facsimile G3/TC1020303	
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:		

1020304	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.5
TSS reference:	PLMN-PSTN/Basic_call/Unsuccessful/Facsimile G3/TC1020304	
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

1020401	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.1
TSS reference:	PLMN-PSTN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1020401	
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.	

1020402	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6
TSS reference:	PSTN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1020402	
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:		

1020403	**PSTN ISDN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.7 ETS 300 599 [41], subclause 18.2, subclause 18.3.2
TSS reference:	PLMN-PSTN/Basic_call/Unsuccessful/Alternate speech and facsimile G3/ TC1020403	
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:		

1020404	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.5
TSS reference:	PLMN-PSTN/Basic_call/Unsuccessful/Alternate speech and facsimile G3/ TC1020404	
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

UDI

1020501	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 5.4 subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Unsuccessful/UDI /TC1020501	
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

Emergency Calls

1020601	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 5.4 subclause 7.3.2
TSS reference:	PLMN-PSTN/Basic_call/Unsuccessful/Emergency Call/TC1020601	
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:		

6.2.11 Test purposes for PLMN-PSTN, Supplementary Services

Supplementary Services

Speech

1110101	**PSTN ref. to:** ETS 300 001 ETS 300 648 ETS 300 659	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.2, ETS 300 542 [57], subclause 1 ETS 300 565 [36], subclause 1
TSS reference:	PLMN-PSTN/Supplementary_services/Speech/CLIP/TC1110101	
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=speech, Calling party subaddress
Comments:	

1110102	**PSTN ref. to:** ETS 300 001 ETS 300 648 ETS 300 659	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.2 ETS 300 542 [57], subclause 1, ETS 300 565 [36], subclause 1
TSS reference:	PLMN-PSTN/Supplementary_services/Speech/CLIP/TC1110102	
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=speech	
Comments:		

1110201	**PSTN ref. to:** ETS 300 001 ETS 300 648 ETS 300 659-1	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.2 ETS 300 542 [57], subclause 2 ETS 300 565 [36], subclause 2
TSS reference:	PLMN-PSTN/Supplementary_services/Speech/CLIR/TC1110201	
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=speech, Calling party subaddress	
Comments:		

1110202	**PSTN ref. to:** ETS 300 001 ETS 300 648 ETS 300 659-1	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.2 ETS 300 542 [57], subclause 2 ETS 300 565 [36], subclause 2
TSS reference:	PLMN-PSTN/Supplementary_services/Speech/CLIR/TC1110202	
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=speech	
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.	

1110301	**PSTN ref. to:** ETS 300 001 ETS 300 648 ETS 300 659-1	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.5.2 ETS 300 542 [57], subclause 3 ETS 300 565 [36], subclause 3
TSS reference:	PLMN-PSTN/Supplementary_services/Speech/COLR/TC1110301	
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=speech, Connected number: PI=PR, SI=NP, TON=unknown, NPI=unknown;	
Comments:		

1110401	**PSTN ref. to:** ETS 300 001 ETS 300 648 ETS 300 659-1	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PLMN-PSTN/Supplementary_services/Speech/CUG/TC1110401	
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=speech, 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.	

1110402	**PSTN ref. to:**	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]
TSS reference:	PLMN-PSTN /Supplementary_services/Speech/CUG/TC1110402	
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=speech, 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.	

1110501	**PSTN ref. to:** network operator specific	**PLMN ref. to:** ETS 300 546 [33] subclause 1 ETS 300 569 [39] subclause 1
TSS reference:	PLMN-PSTN /Supplementary_services/Speech/CFU/TC1110501	
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:	CFU active	
PLMN parameter values:	GSM-BC=speech	
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.	

1110502	**PSTN ref. to:** network operator specific	**PLMN ref. to:** ETS 300 543 [31] subclause 1 ETS 300 566 [37] subclause 1
TSS reference:	PLMN-PSTN /Supplementary_services/Speech/CFU/TC1110502	
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:	CFU active	
PLMN parameter values:	GSM-BC=speech	
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.	

1110601	**PSTN ref. to:** network operator specific	**PLMN ref. to:** ETS 300 543 [31] subclause 2 ETS 300 566 [37] subclause 2
TSS reference:	PLMN-PSTN /Supplementary_services/Speech/CFB/TC1110601	
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=speech	
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.	

1110602	**PSTN ref. to:** network operator specific	**PLMN ref. to:** ETS 300 543 [31] subclause 2 ETS 300 566 [37] subclause 2
TSS reference:	PLMN-PSTN /Supplementary_services/Speech/CFB/TC1110602	
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=speech	
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.	

1110701	**PSTN ref. to:** network operator specific	**PLMN ref. to:** ETS 300 543 [31] subclause 3 ETS 300 566 [37] subclause 3
TSS reference:	PLMN-PSTN /Supplementary_services/Speech/CFNR/TC1110701	
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=speech	
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.	

1110702	**PSTN ref. to:** network operator specific	**PLMN ref. to:** ETS 300 543 [31] subclause 3 ETS 300 566 [37] subclause 3
TSS reference:	PLMN-PSTN /Supplementary_services/Speech/CFNR/TC1110702	
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=speech	
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.	

NON-SYMMETRICAL TESTS

1120101	**PSTN ref. to:** network operator specific	**PLMN ref. to:** ETS 300 646-1, subclause 6.1.1.7
TSS reference:	PLMN-PSTN/Supplementary_services/Speech/MCID/TC 1120101	
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=speech	
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.	

1120102	**PSTN ref. to:** network operator specific	**PLMN ref. to:** ETS 300 646-1, subclause 6.1.1.7
TSS reference:	PLMN-PSTN/Supplementary_services/Speech/MCID/TC1120102	
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=speech	
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.	

1120201	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PLMN-PSTN/Supplementary_services/Speech/MPTY/TC1120201	
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=speech	
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.	

1120202	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PLMN-PSTN/Supplementary_services/Speech/MPTY/TC1120202	
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=speech	
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.	

1120203	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PLMN-PSTN/Supplementary_services/Speech/MPTY/TC1120203	
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=speech	
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.	

1120204	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PLMN-PSTN/Supplementary_services/Speech/MPTY/TC1120204	
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=speech	
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.	

1120205	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PLMN-PSTN/Supplementary_services/Speech/MPTY/TC1120205	
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=speech	
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.	

1120206	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PLMN-PSTN/Supplementary_services/Speech/MPTY/TC1120206	
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=speech	
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.	

1120207	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PLMN-PSTN/Supplementary_services/Speech/MPTY/TC1120207	
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=speech	
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.	

1120208	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PLMN-PSTN/Supplementary_services/Speech/MPTY/TC1120208	
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=speech	
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.	

1120209	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PLMN-PSTN/Supplementary_services/Speech/MPTY/TC1120209	
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=speech	
Comments:		

1120210	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PLMN-PSTN/Supplementary_services/Speech/MPTY/TC1120210	
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=speech	
Comments:		

1120211	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 517, ETS 300 545
TSS reference:	PLMN-PSTN/Supplementary_services/Speech/MPTY/TC1120211	
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=speech	
Comments:		

1120301	**PSTN ref. to:**	**PLMN ref. to:** ETS 300 548 [34]
TSS reference:	PLMN-PSTN/Supplementary_services/Speech/Call barring service/ TC1120301	
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=speech	
Comments:		

6.2.12 Test purposes for PLMN- PSTN, B-channel end-to-end performance

B-channel end-to-end performance

1210101	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35], ITU-T Rec. G.101 [56]
TSS reference:	PLMN-PSTN/ B-channel end-to-end performance /Speech/TC1210101	
PSTN selection criteria:	Voice transmission	
PLMN selection criteria:	TS 11, Voice transmission	
Test purpose:	To ensure that the voice transfer on the B-channel is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The tests should be based on the E-Model described in the ITU-T Rec. G.101 [56], Appendix I.	

1210201	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35] ETS 300 578 [55]
TSS reference:	PLMN-PSTN/ B-channel end-to-end performance /3,1 kHz audio ex PLMN/TC1210201	
PSTN selection criteria:	Data transmission	
PLMN selection criteria:	Data transmission	
Test purpose:	To ensure that the voice band data via modem transfer with 1,2 kbit/s on the B-channel is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

1210202	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35] ETS 300 578 [55]
TSS reference:	PLMN-PSTN/ B-channel end-to-end performance / 3,1 kHz audio ex PLMN/TC1210202	
PSTN selection criteria:	Data transmission	
PLMN selection criteria:	Data transmission	
Test purpose:	To ensure that the voice band data via modem transfer with 2,4 kbit/s on the B-channel is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

1210203	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35] ETS 300 578 [55]
TSS reference:	PLMN-PSTN/ B-channel end-to-end performance /3,1 kHz audio ex PLMN/1210203	
PSTN selection criteria:	Data transmission	
PLMN selection criteria:	Data transmission	
Test purpose:	To ensure that the voice band data via modem transfer with 4,8 kbit/s on the B-channel is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

1210204	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35] ETS 300 578 [55]
TSS reference:	PLMN-PSTN/ B-channel end-to-end performance / 3,1 kHz audio ex PLMN/TC1210204	
PSTN selection criteria:	Data transmission	
PLMN selection criteria:	Data transmission	
Test purpose:	To ensure that the voice band data via modem transfer with 9,6 kbit/s on the B-channel is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

1210301	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35] ETS 300 578 [55]
TSS reference:	PLMN-PSTN/ B-channel end-to-end performance /Facsimile G3/1210301	
PSTN selection criteria:	Data transmission	
PLMN selection criteria:	TS 62, Data transmission	
Test purpose:	To ensure that the Facsimile group 2/3 transfer with 9,6 kbit/s on the B-channel is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

1210401	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35] ETS 300 578 [55]
TSS reference:	PLMN-PSTN/ B-channel end-to-end performance /Alternate speech and facsimile G3/ TC1210401	
PSTN selection criteria:	Data transmission	
PLMN selection criteria:	TS 61, Data transmission	
Test purpose:	To ensure that the voice and Facsimile group 2/3 transfer with 9,6 kbit/s on the B-channel are performed correctly.	
ISDN parameter values:		
PLMN parameter values:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

1210501	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35] ETS 300 578 [55]
TSS reference:	PLMN-PSTN/ B-channel end-to-end performance /Speech followed by data / TC1210501	
PSTN selection criteria:	Data transmission	
PLMN selection criteria:	TS 61, Data transmission	
Test purpose:	To ensure that the voice and data transfer on the B-channel are performed correctly.	
ISDN parameter values:		
PLMN parameter values:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

1210601	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35] ETS 300 578 [55]
TSS reference:	PLMN-PSTN/ B-channel end-to-end performance /Emergency Call/1210601	
PSTN selection criteria:	Voice transmission	
PLMN selection criteria:	TS 12; MS with valid SIM Card, Voice transmission	
Test purpose:	To ensure that the voice transfer on the B-channel is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech, no HLC	
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

1210602	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35] ETS 300 578 [55]
TSS reference:	PLMN-PSTN/ B-channel end-to-end performance /Emergency Call/ TC1210602	
PSTN selection criteria:	Voice transmission	
PLMN selection criteria:	TS 12; MS without SIM Card, Voice transmission	
Test purpose:	To ensure that the voice transfer on the B-channel is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech, no HLC	
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

1210603	**PSTN ref. to:** ETS 300 001	**PLMN ref. to:** ETS 300 557 [35] ETS 300 578 [55]
TSS reference:	PLMN-PSTN/ B-channel end-to-end performance /Emergency Call/ TC1210603	
PSTN selection criteria:	Voice transmission	
PLMN selection criteria:	TS 12; IMSI contained in the SIM Card is not recognized by the VLR, Voice transmission	
Test purpose:	To ensure that the voice transfer on the B-channel is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech, no HLC	
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

6.2.13 Test purposes for PLMN-PLMN, Basic call

In the following PLMN-PLMN 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.

6.2.13.1 Successful

Successful
Speech

1310101	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech/TC1310101	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	GSM-BC=speech, no HLC	
PLMN parameter values term.:	GSM-BC=speech, no HLC	
Comments:		

1310102	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.1	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech/TC1310102	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	GSM-BC=speech, no HLC	
PLMN parameter values term.:	GSM-BC=speech, no HLC	
Comments:		

1310103	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 502 [27], subclause 6 ETS 300 582 [40], Annex B.2.8	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech/TC1310103	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	GSM-BC=speech, HLC=telephony	
PLMN parameter values term.:	GSM-BC=speech, HLC=telephony	
Comments:		

1310104	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 502 [27], subclause 6 ETS 300 582 [40], Annex B.2.8	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech/TC1310104	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	GSM-BC=speech, HLC=telephony	
PLMN parameter values term.:	GSM-BC=speech, HLC=telephony	
Comments:		

Successful

3,1 kHz audio, ex PLMN

1310201	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2, subclause 5.4 ETS 300 604 [42], subclause 10.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio, ex PLMN/TC1310201	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	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:		

1310202	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 5.4 ETS 300 604 [42], subclause 10.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio, ex PLMN/TC1310202	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	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:		

1310203	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio, ex PLMN/TC1310203	
PLMN selection criteria act:	Audio, asynchronous mode, BS 21	
PLMN selection criteria term.:	Audio, asynchronous mode, BS 21	
Test purpose:	Support voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s is correctly mapped to the called user.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s, no LLC	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s, no LLC	
Comments:		

1310204	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310204	
PLMN selection criteria orign.:	Audio, asynchronous mode, BS 22	
PLMN selection criteria term.:	Audio, asynchronous mode, BS 22	
Test purpose:	Support of voice band data via modem: Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s is correctly mapped to the called user.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, no LLC	
PLMN parameter values term.::	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, no LLC	
Comments:		

1310205	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310205	
PLMN selection criteria orign.:	Audio, asynchronous mode, BS 24	
PLMN selection criteria term.:	Audio, asynchronous mode, BS 24	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s is correctly mapped to the called user.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s, no LLC	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s, no LLC	
Comments:		

1310206	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio, ex PLMN/TC1310206	
PLMN selection criteria orign.:	Audio, asynchronous mode, BS 25	
PLMN selection criteria term.:	Audio, asynchronous mode, BS 25	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, is correctly mapped to the called user.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, no LLC	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, no LLC	
Comments:		

1310207	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310207	
PLMN selection criteria orign.:	Audio, asynchronous mode, BS 26	
PLMN selection criteria term.:	Audio, asynchronous mode, BS 26	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, is correctly mapped to the called user.	
PLMN parameter values orign.	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, no LLC	
PLMN parameter values term.	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, no LLC	
Comments:		

1310208	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2, B.2.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310208	
PLMN selection criteria orign.:	Audio, asynchronous mode, BS 21	
PLMN selection criteria term.:	Audio, asynchronous mode, BS 21	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 0.3 kbit/s is correctly mapped and the LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s is correctly delivered to the called user.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 0.3 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 0.3 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 0,3 kbit/s	
Comments:		

1310209	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2, B.2.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310209	
PLMN selection criteria orign.:	Audio, asynchronous mode, BS 22	
PLMN selection criteria term.:	Audio, asynchronous mode, BS 22	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
Comments:		

1310210	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2, B.2.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio, ex PLMN/TC1310210	
PLMN selection criteria orign.:	Audio, asynchronous mode, BS 24	
PLMN selection criteria term.:	Audio, asynchronous mode, BS 24	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s is correctly mapped and the LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 2,4 kbit/s	
Comments:		

1310211	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2, B.2.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310211	
PLMN selection criteria act:	Audio, asynchronous mode, BS 25	
PLMN selection criteria term.:	Audio, asynchronous mode, BS 25	
Test purpose:	Support of terminal adapters voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s information is correctly delivered to the called user.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s	
Comments:		

1310212	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2, B.2.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310212	
PLMN selection criteria orign.:	Audio, asynchronous mode, BS 26	
PLMN selection criteria term.:	Audio, asynchronous mode, BS 26	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 9,6 kbit/s	
Comments:		

1310213	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.3	
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310213	
PLMN selection criteria orign.	Audio, synchronous mode, BS 31	
PLMN selection criteria term.:	Audio, synchronous mode, BS 31	
Test purpose:	Support of terminal adapters voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s is correctly mapped to the called user.	
PLMN parameter values act:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, no LLC	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, no LLC	
Comments:		

1310214	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310214	
PLMN selection criteria orign.:	Audio, synchronous mode, BS 32	
PLMN selection criteria term.:	Audio, synchronous mode, BS 32	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s is correctly mapped to the called user.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s, no LLC	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s, no LLC	
Comments:		

1310215	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio, ex PLMN/TC1310215	
PLMN selection criteria orign.:	Audio, synchronous mode, BS 33	
PLMN selection criteria term.:	Audio, synchronous mode, BS 33	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, is correctly mapped to the called user.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, no LLC	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, no LLC	
Comments:		

1310216	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310216	
PLMN selection criteria orign.:	Audio, synchronous mode, BS 34	
PLMN selection criteria term.:	Audio, synchronous mode, BS 34	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, is correctly mapped to the called user.	
PLMN parameter values orign.	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, no LLC	
PLMN parameter values term.	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, no LLC	
Comments:		

1310217	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.3	
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310217	
PLMN selection criteria orign.:	Audio, synchronous mode, BS 31	
PLMN selection criteria term.:	Audio, synchronous mode, BS 31	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
Comments:		

1310218	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2, B.2.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio, ex PLMN/TC1310218	
PLMN selection criteria orign.:	Audio, synchronous mode, BS 32	
PLMN selection criteria term.:	Audio, synchronous mode, BS 32	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s is correctly mapped and the LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 2,4 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s	
Comments:		

1310219	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2, B.2.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310219	
PLMN selection criteria act:	Audio, synchronous mode, BS 33	
PLMN selection criteria term.:	Audio, synchronous mode, BS 33	
Test purpose:	Support of terminal adapters voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s information is correctly delivered to the called user.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 4,8 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 4,8 kbit/s	
Comments:		

1310220	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2, B.2.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio ex PLMN/TC1310220	
PLMN selection criteria orign.:	Audio, synchronous mode, BS 34	
PLMN selection criteria term.:	Audio, synchronous mode, BS 34	
Test purpose:	Support of voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 9,6 kbit/s is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 9,6 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s	
Comments:		

1310221	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2, subclause 5.4 ETS 300 604 [42], subclause 10.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio, ex PLMN/TC1310221	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio, Single numbering Scheme	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer.	
PLMN parameter values orign.:	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:		

1310222	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, subclause 5.4 ETS 300 604 [42], subclause 10.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/3,1 kHz audio, ex PLMN/TC1310222	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio, Single numbering Scheme	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer.	
PLMN parameter values orign.:	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:		

Successful

UDI

1310301	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI/TC1310301	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	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:		

1310302	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI/TC1310302	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	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:		

1310303	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2; B 2.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI/TC1310303	
PLMN selection criteria orign.:	UDI, asynchronous mode, BS 21	
PLMN selection criteria term.:	UDI, asynchronous mode, BS 21	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 0.3 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s information is correctly delivered to the called user.	
PLMN parameter values orign.:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 0.3 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s	
PLMN parameter values term.:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 0.3 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 0,3 kbit/s	
Comments:		

1310304	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2; B 2.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI/TC1310304	
PLMN selection criteria orign.:	UDI, asynchronous mode, BS 22	
PLMN selection criteria term.:	UDI, asynchronous mode, BS 22	
Test purpose:	Support of terminal adapters V.110/X.30 Ensure that the GSM-BC=UDI/X.30 [49], asynchronous mode, user rate 1,2 kbit/s is correctly mapped and the LLC=UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.	
PLMN parameter values orign.:	GSM-BC=UDI/X.30 [49], asynchronous mode, user rate 1,2 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s	
PLMN parameter values term.:	GSM-BC=UDI/X.30 [49], asynchronous mode, user rate 1,2 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 1,2 kbit/s	
Comments:		

1310305	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2; B 2.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI/TC1310305	
PLMN selection criteria orign.:	UDI, asynchronous mode, BS 24	
PLMN selection criteria term.:	UDI, asynchronous mode, BS 24	
Test purpose:	Support of terminal adapters V.110/X.30 Ensure that the GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.	
PLMN parameter values orign.:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s	
PLMN parameter values term.:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 2,4 kbit/s	
Comments:		

1310306	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2; B 2.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI/TC1310306	
PLMN selection criteria orign.:	UDI, asynchronous mode, BS 25	
PLMN selection criteria term.:	UDI, asynchronous mode, BS 25	
Test purpose:	Support of terminal adapters V.110/X.30 Ensure that the GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s is correctly delivered to the called user.	
PLMN parameter values orign.:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s	
PLMN parameter values term.:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 4,8 kbit/s	
Comments:		

1310307	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2; B 2.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI /TC1310307	
PLMN selection criteria orign.:	UDI, asynchronous mode, BS 26	
PLMN selection criteria term.:	UDI, asynchronous mode, BS 26	
Test purpose:	Support of terminal adapters V.110/X.30 Ensure that the GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user.	
PLMN parameter values orign.:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s	
PLMN parameter values term.:	GSM-BC = UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s, LLC=UDI, V.110/X.30, asynchronous mode, user rate 9,6 kbit/s	
Comments:		

1310308	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.3; B 2.3	
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI/TC1310308	
PLMN selection criteria orign.:	UDI, synchronous mode, BS 31	
PLMN selection criteria term.:	UDI, synchronous mode, BS 31	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that the GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s is correctly mapped to the called user.	
PLMN parameter values orign.:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s, no LLC	
PLMN parameter values term.:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s, no LLC	
Comments:		

1310309	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.3; B 2.3	
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI/TC1310309	
PLMN selection criteria orign.:	UDI, synchronous mode, BS 31	
PLMN selection criteria term.:	UDI, synchronous mode, BS 31	
Test purpose:	Support of terminal adapters V.110/X.30 Ensure that the GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user.	
PLMN parameter values orign.:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s	
PLMN parameter values term.:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 1,2 kbit/s	
Comments:		

1310310	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2; B 2.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI/TC1310310	
PLMN selection criteria orign.:	UDI, synchronous mode, BS 32	
PLMN selection criteria term.:	UDI, synchronous mode, BS 32	
Test purpose:	Support of terminal adapters V.110/X.30 Ensure that the GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.	
PLMN parameter values orign.:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s	
PLMN parameter values term.:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 2,4 kbit/s	
Comments:		

1310311	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2; B 2.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI/TC1310311	
PLMN selection criteria orign.:	UDI, synchronous mode, BS 33	
PLMN selection criteria term.:	UDI, synchronous mode, BS 33	
Test purpose:	Support of terminal adapters V.110/X.30 Ensure that the GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s is correctly delivered to the called user.	
PLMN parameter values orign.:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s	
PLMN parameter values term.:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 4,8 kbit/s	
Comments:		

1310312	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.2; B 2.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/UDI /TC1310312	
PLMN selection criteria orign.:	UDI, synchronous mode, BS 34	
PLMN selection criteria term.:	UDI, synchronous mode, BS 34	
Test purpose:	Support of terminal adapters V.110/X.30 Ensure that the GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s is correctly mapped and the LLC = UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user.	
PLMN parameter values orign.:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s	
PLMN parameter values term.:	GSM-BC = UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s, LLC=UDI, V.110/X.30, synchronous mode, user rate 9,6 kbit/s	
Comments:		

Successful

Facsimile group 3

1310401	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.1.1	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Facsimile G3/TC1310401	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	GSM-BC= facsimile G3, no HLC	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

1310402	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.1.1; B 2.11	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Facsimile G3/TC1310402	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

1310403	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2 ETS 300 582 [40], Annex B.1.11	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Facsimile G3/TC1310403	
PLMN selection criteria orign.	TS 62	
PLMN selection criteria orign.	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.	
PLMN parameter values orign.:	GSM-BC= facsimile G3, no HLC	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

1310404	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.11, B.2.11	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Facsimile G3/TC1310404	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	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

1310501	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1310501	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	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	

1310502	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1310502	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	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	

1310503	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1310503	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	first GSM-BC= facsimile G3, no HLC second GSM-BC= speech	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = facsimile G3	
Comments:		

1310504	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1310504	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	first GSM-BC= facsimile G3, no HLC second GSM-BC= speech	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

1310505	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1310505	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	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.	

1310506	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1310506	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	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	

1310507	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1310507	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	first GSM-BC= facsimile G3, no HLC second GSM-BC= speech	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = facsimile G3	
Comments:		

1310508	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1310508	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	first GSM-BC= facsimile G3, no HLC second GSM-BC= speech	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

1310509	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1310509	
PLMN selection criteria orign.:	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).	
PLMN parameter values orign.:	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.	

1310510	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1310510	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	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.	

13105011	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1310511	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	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:		

1310512	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 9.2.2 b 10.2.2 ETS 300 582 [40], Annex B.1.10	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1310512	
PLMN selection criteria orign.:	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).	
PLMN parameter values orign.:	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.	

1310513	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 9.2.2 b 10.2.2 ETS 300 582 [40], Annex B.1.10	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1310513	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	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.	

1310514	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1310514	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	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:		

1310515	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1310515	
PLMN selection criteria orign.:	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).	
PLMN parameter values orign.:	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.	

1310516	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1310516	
PLMN selection criteria orign.:	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).	
PLMN parameter values orign.:	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.	

13105017	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1310517	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	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:		

1310518	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 9.2.2 b 10.2.2 ETS 300 582 [40], Annex B.1.10	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1310518	
PLMN selection criteria orign.:	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).	
PLMN parameter values orign.:	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.	

1310519	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 9.2.2 b 10.2.2 ETS 300 582 [40], Annex B.1.10	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1310519	
PLMN selection criteria orign.:	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).	
PLMN parameter values orign.:	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.	

1310520	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.10	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and facsimile G3/ TC1310520	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	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

1310601	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.6	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310601	
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.	
PLMN parameter values orign.:	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	

1310602	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.6	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310602	
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.	
PLMN parameter values orign.:	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	

1310603	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.6	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310603	
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.	
PLMN parameter values orign.:	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	

1310604	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.6	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310604	
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.	
PLMN parameter values orign.:	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	

1310605	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], B 1.6	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310605	
PLMN selection criteria orign.:	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 mode, user rate 1,2 kbit/s).	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s,	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
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.	

1310606	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], B 1.6	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310606	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s,	
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.	

1310607	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], B 1.6	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310607	
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 are correctly delivered to the called user.	
PLMN parameter values:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
PLMN parameter values:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
Comments:		

1310608	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], B 1.6	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310608	
PLMN selection criteria orign.:	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 mode, user rate 1,2 kbit/s).	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, LLC= 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
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.	

1310609	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], B 1.6	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310609	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, LLC= 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
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.	

1310610	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], B 1.6	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310610	
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 and LLC are correctly delivered to the called user.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
Comments:		

1310611	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], B 1.6	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310611	
PLMN selection criteria orign.:	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, asynchronous mode, user rate 1,2 kbit/s).	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s,	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
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.	

1310612	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], B 1.6	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310612	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s,	
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.	

1310613	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], B 1.6	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310613	
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 are correctly delivered to the called user.	
PLMN parameter values:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
PLMN parameter values:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
Comments:		

1310614	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], B 1.6	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310614	
PLMN selection criteria orign.:	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, asynchronous mode, user rate 1,2 kbit/s).	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC= 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
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.	

1310615	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], B 1.6	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310615	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC= 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
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.	

1310616	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], B 1.6	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Alternate speech and data/TC1310616	
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 and LLC are correctly delivered to the called user.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem asynchronous mode, user rate 1,2 kbit/s	
Comments:		

Successful

Speech followed by data

1310701	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], B.1.7	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310701	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	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	

1310702	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], B.1.7	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310702	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	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	

1310703	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], B.1.7	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310703	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	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	

1310704	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], B.1.7	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310704	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	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	

1310705	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], B.1.7, B.2.7.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310705	
PLMN selection criteria orign.:	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 mode, user rate 1,2 kbit/s).	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s synchronous mode,	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
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.	

1310706	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], B.1.7, B.2.7.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310706	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s synchronous mode	
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.	

1310707	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.7, B.2.7.2	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310707	
PLMN selection criteria orign.:	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) are correctly delivered to the called user.	
PLMN parameter values act:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
Comments:		

1310708	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.7, B.2.7.1,	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310708	
PLMN selection criteria orign.:	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 mode, user rate 1,2 kbit/s without LLC).	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
PLMN parameter values term.:	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 The MODIFY message in not transmitted over the ISUP.	

1310709	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.7, B.2.7.1,	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310709	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
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.	

1310710	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.7, B.2.7.1,	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310710	
PLMN selection criteria orign.:	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) and LLC are correctly delivered to the called user.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, synchronous mode, user rate 1,2 kbit/s	
Comments:		

1310711	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.7	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310711	
PLMN selection criteria orign.:	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, asynchronous mode, user rate 1,2 kbit/s).	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
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.	

1310712	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.7	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310712	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
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.	

1310713	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2 ETS 300 604 [42], subclause 10.2.2 ETS 300 582 [40], Annex B.1.7	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310713	
PLMN selection criteria orign.:	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) are correctly delivered to the called user.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
Comments:		

1310714	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 582 [40], Annex B.1.7, B.2.7.1	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310714	
PLMN selection criteria orign.:	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 mode, user rate 1,2 kbit/s without LLC).	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
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.	

1310715	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 582 [40], Annex B.1.7, B.2.7.1	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310715	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
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.	

1310716	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1 ETS 300 582 [40], Annex B.1.7, B.2.7.1	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Speech followed by data/TC1310716	
PLMN selection criteria orign.:	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) and LLC are correctly delivered to the called user.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, LLC=3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
Comments:		

Successful

Short message service

1310801	**PLMN ref. to:** ETS 300 559	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Short_message/TC1310801	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	SMS transfer on SDCCH from a MS-A to MS-B when both the MS's are in the Idle state.	
PLMN parameter values orign.:	GSM-TS= Short Message MO – PP	
PLMN parameter values term.:	GSM-TS= Short Message MT – PP	
Comments:		

1310802	**PLMN ref. to:** ETS 300 559	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Short_message/TC1310802	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	SMS transfer on SACCH from a MS-A to MS-B when both the MS's are involved in an active call (Active State).	
PLMN parameter values orign.:	GSM-TS= Short Message MO – PP	
PLMN parameter values term.:	GSM-TS= Short Message MT – PP	
Comments:		

1310803	**PLMN ref. to:** ETS 300 559	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Short_message/TC1310803	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	SMS transfer on SDCCH from a MS-A to MS-B. MS-A is in Idle state, MS-B is detached. Verify that when MS-B becomes reachable, he shall receive the Short Message from the network.	
PLMN parameter values orign.:	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.	

1310804	**PLMN ref. to:** ETS 300 559	
TSS reference:	PLMN-PLMN/Basic_call/Successful/Short_message/TC1310804	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	SMS transfer on SDCCH from a MS-A to MS-B. MS-A and MS-B are in Idle state. The SIM Card memory of MS-B is full. Verify that when the SIM Card memory of MS-B becomes available, MS-B shall receive the Short Message from the network.	
PLMN parameter values orign.:	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.	

6.2.13.2 Unsuccessful

Unsuccessful
speech

1320101	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.1	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Speech/TC1320101	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value # 1.	

1320102	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Speech/TC1320102	
PLMN selection criteria orign.:	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 orign.:	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")	

1320103	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Speech/TC1320103	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:		
Comments:		

1320104	**PLMN ref. to:** ETS 300 557 [35], H.1.7 ETS 300 599 [41], subclause 18.2, subclause 18.3.2	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Speech/TC1320104	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value # 18.	

1320105	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.8	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Speech/TC1320105	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1320106	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, Annex H.1.9	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Speech/TC1320106	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1320107	**PLMN ref. to:** ETS 300 557 [35], Annex H.5.3	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Speech/TC1320107	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.	GSM-BC=speech	
Comments:		

1320108	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.5	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Speech/TC1320108	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.	GSM-BC=speech	
Comments:		

1320109	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Speech/TC1320109	
PLMN selection criteria orign.:	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 orign.:	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

1320201	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.1	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC1320201	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value # 1.	

1320202	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC1320202	
PLMN selection criteria orign.:	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 orign.:	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")	

1320203	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC1320203	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:		
Comments:		

1320204	**PLMN ref. to:** ETS 300 557 [35], H.1.7 ETS 300 599 [41], subclause 18.2, subclause 18.3.2	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC1320204	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value # 18.	

1320205	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.8	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC1320205	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:		

1320206	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2.3.1, Annex H.1.9	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC1320206	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:		

1320207	**PLMN ref. to:** ETS 300 557 [35], Annex B.3.2, H 5.3	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC1320207	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:		

1320208	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.5	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC1320208	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:		

1320209	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN /TC1320209	
PLMN selection criteria orign.:	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 orign.:	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

1320301	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.1	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/UDI/TC1320301	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:		
Comments:		

1320302	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/UDI/TC1320302	
PLMN selection criteria orign.:	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 orign.:	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").	

1320303	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/UDI/TC1320303	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:		
Comments:		

1320304	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.7 ETS 300 599 [41], subclause 18.2, subclause 18.3.2	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/UDI/TC1320304	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:		
Comments:		

1320305	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.8	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/UDI/TC1320305	
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 orign.:	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:		

1320306	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.2.3.1, Annex H.1.9	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/UDI/TC1320306	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

1320307	**PLMN ref. to:** ETS 300 557 [35], Annex H.5.3	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/UDI/TC1320307	
PLMN selection criteria orign.:	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 orign.:	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:		

1320308	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.5	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/UDI/TC1320308	
PLMN selection criteria orign.	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 orign.:	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:		

1320309	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/UDI/TC1320309	
PLMN selection criteria orign.:	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 orign.:	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

1320401	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.1	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Facsimile G3/TC1320401	
PLMN selection criteria orign.:	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 orign.:	GSM-BC= facsimile G3, no HLC	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value # 1.	

1320402	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Facsimile G3/TC1320402	
PLMN selection criteria orign.:	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 orign.:	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")	

1320403	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Facsimile G3/TC1320403	
PLMN selection criteria orign.:	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 orign.:	GSM-BC = facsimile G3	
PLMN parameter values term.:		
Comments:		

1320404	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.7 ETS 300 599 [41], subclause 18.2, subclause 18.3.2	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Facsimile G3/TC1320404	
PLMN selection criteria orign.:	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 orign.:	GSM-BC = facsimile G3	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18	

1320405	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.8	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Facsimile G3/TC1320405	
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 orign.:	GSM-BC = facsimile G3	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

1320406	**PLMN ref. to:** ETS 300 557 [35], subclause 5.2.1, Annex H.1.9	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Facsimile G3/TC1320406	
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 orign.:	GSM-BC = facsimile group 3	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

1320407	**PLMN ref. to:** ETS 300 557 [35], Annex H. 5.3	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Facsimile G3/TC1320407	
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 orign.:	GSM-BC = facsimile G3	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

1320408	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.5	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Facsimile G3/TC1320408	
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 orign.:	GSM-BC = facsimile G3	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

1320409	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Facsimile G3/TC1320409	
PLMN selection criteria orign.:	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 orign.:	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

1320501	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.1	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1320501	
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 orign.:	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.	

1320502	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1320502	
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 orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
Comments:		

1320503	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1320503	
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 orign.:	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.	

1320504	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1320504	
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 orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:		
Comments:		

1320505	**PLMN ref. to:** ETS 300 557 [35], H.1.7 ETS 300 599 [41], subclause 18.2, subclause 18.3.2	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1320505	
PLMN selection criteria orign.:	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 orign.:	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.	

1320506	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.8	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1320506	
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 orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
Comments:		

1320507	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.8	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1320507	
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 orign.:		
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.	

1320508	**PLMN ref. to:** ETS 300 557 [35], subclause 5.1, Annex H.1.9	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1320508	
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 orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
Comments:		

1320509	**PLMN ref. to:** ETS 300 557 [35], subclause 5.1, Annex H.1.9	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1320509	
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 orign.:	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.	

1320510	**PLMN ref. to:** ETS 300 557 [35], Annex H.5.3	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3/ TC1320510	
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 orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:	a) first GSM-BC=speech second GSM-BC = Facsimile G3	
Comments:		

1320511	**PLMN ref. to:** ETS 300 557 [35], Annex H.5.3	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3/ TC1320511	
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 orign.:	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.	

1320512	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.5	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 TC1320512	
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 orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
Comments:		

1320513	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.5	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 TC1320513	
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 orign.:	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.	

1320514	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1320514	
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 orign.:	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)	

1320515	**PLMN ref. to:** ETS 300 557 [35], Annex H.1.6	
TSS reference:	PLMN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3 /TC1320515	
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 orign.:	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)	

6.2.14 Test purposes for PLMN-PLMN Supplementary services

6.2.14.1 Bearer capability "speech"

Supplementary Services

Speech

1410101	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.2, ETS 300 542 [57], subclause 1 ETS 300 565 [36], subclause 1	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CLIP/TC1410101	
PLMN selection criteria orign.:	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=speech, Calling party subaddress	

PLMN parameter values orign.:	GSM-BC= speech Calling party number: PI=PA, TON= national/international number, SI=NP, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])
Comments:	

1410102	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.2 ETS 300 542 [57], subclause 1 ETS 300 565 [36], subclause 1	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CLIP/TC1410102	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC= speech, Calling party number: PI=PA SI=NP TON= national/international number, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])	
Comments:		

1410201	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.2 ETS 300 542 [57], subclause 2, ETS 300 565 [36], subclause 2	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CLIR/TC1410201	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech, Calling party subaddress	
PLMN parameter values term.:	GSM-BC= speech Calling party number: PI=PR TON=unknown SI=NP NPI=unknown	
Comments:		

1410202	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.2 ETS 300 542 [57], subclause 2 ETS 300 565 [36], subclause 2	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CLIR/TC1410202	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	Calling party number: PI=PR TON=unknown SI=NP NPI=unknown	
Comments:		

1410301	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.5.2 ETS 300 542 [57], subclause 3 ETS 300 565 [36], subclause 3	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/COLP/TC1410301	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; Connected number PI=PA, SI=NP, TON= national/international number, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25]) Connected subaddress	
PLMN parameter values term.:	Connected subaddress	
Comments:		

1410302	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.5.2 ETS 300 542 [57], subclause 3 ETS 300 565 [36], subclause 3	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/COLP/TC1410302	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech, Connected number: SI=NP TON= national/international number, PI=PA, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])	
PLMN parameter values term.:	GSM-BC=speech,	
Comments:		

1410401	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.5.2 ETS 300 542 [57], subclause 3 ETS 300 565 [36], subclause 3	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/COLR/TC1410401	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech, Connected number: PI=PR, SI=NP, TON=unknown, NPI=unknown;	
PLMN parameter values term.:		
Comments:		

1410501	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC810501	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA)	
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1410502	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC810502	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA)	
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1410503	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC810503	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA)	
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1410504	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410504	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1410505	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410505	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1410506	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410506	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1410507	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC810503	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1410508	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC810508	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1410509	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC810509	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1410510	**PLMN ref. To:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410510	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1410511	**PLMN ref. To:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410511	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1410512	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410512	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1410513	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410513	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1410514	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410514	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1410515	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410515	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1410516	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410516	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1410517	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410517	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1410518	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410518	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:		
Comments:		

1410519	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410519	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:		
Comments:		

1410520	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410520	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter values term.:		
Comments:		

1410521	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410521	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter values term.:		
Comments:		

1410522	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410522	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:		
Comments:		

1410523	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410523	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:		
Comments:		

1410524	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410524	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:		
Comments:		

1410525	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410525	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI).	
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1410526	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410526	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI).	
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1410527	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG/TC1410527	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech; ForwardCUG-Info: CUG Index (CI).	
PLMN parameter values term.:	GSM-BC=speech; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1410601	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.1.5	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/SUB/TC1410601	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:		
Comments:		

1410602	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.1.5	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/SUB/TC1410602	
PLMN selection criteria orign.:	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=speech, Called party subaddress	
PLMN parameter values orign.:	GSM-BC=speech, Called party subaddress	
Comments:		

1410701	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CFU/TC1410701	
PLMN selection criteria orign.:	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 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 orign.:	**A: !** GSM-BC=speech	
PLMN parameter values term.:	CFU active **C: ?** GSM-BC=speech	
Comments:		

1410702	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CFU/TC1410702	
PLMN selection criteria orign.:	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 term.:	The user B is in network N2 provided with CFU ("calling user is notified of call diversion" **= No**) and **CLIR**.	
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 orign.:	**A: !** GSM-BC=speech	
PLMN parameter values term.:	CFU active **C: ?** GSM-BC=speech	
Comments:		

1410801	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CFB/TC1410801	
PLMN selection criteria orign.:	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 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 orign.:	**A: !** GSM-BC=speech	
PLMN parameter values term.:	CFB-NDUB active **C: ?** GSM-BC=speech	
Comments:		

1410802	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CFB/TC1410802	
PLMN selection criteria orign.:	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 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**) and **CLIR**.	
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 orign.:	**A: !** GSM-BC=speech	
PLMN parameter values term.:	CFB-NDUB active **C: ?** GSM-BC=speech	
Comments:		

1410901	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CFNRy/TC1410901	
PLMN selection criteria orign.:	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 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 orign.:	**A: !** GSM-BC=speech	
PLMN parameter values term.:	CFNRy active **C: ?** GSM-BC=speech	
Comments:		

1410902	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CFNRy/TC1410902	
PLMN selection criteria orign.:	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 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**) and **CLIR**.	
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 orign.:	**A: !** GSM-BC=speech	
PLMN parameter values term.:	CFNRy active **C: ?** GSM-BC=speech	
Comments:		

1411001	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CFNRc/TC1411001	
PLMN selection criteria orign.:	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 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 orign.:	**A: !** GSM-BC=speech	
PLMN parameter values term.:	CFNRc active, the user detached **C: ?** GSM-BC=speech	
Comments:		

141102	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CFNRc/TC1411002	
PLMN selection criteria orign.:	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 term.:	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. User **C** is notified with a FACILITY IE (Invoke =NotifySS [CFU,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM-BC=speech	
PLMN parameter values term.:	CFNRc active, the user is detached **C: ?** GSM-BC=speech	
Comments:		

1411101	**PLMN ref. to:** ETS 300 544 [32], subclause 2 ETS 300 567 [38], subclause 2	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/HOLD/TC1411101	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1411102	**PLMN ref. to:** ETS 300 544 [32], subclause 2 ETS 300 567 [38], subclause 2	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/HOLD/TC1411102	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1411103	**PLMN ref. to:** ETS 300 544 [32], subclause 2 ETS 300 567 [38], subclause 2	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/HOLD/TC1411103	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1411104	**PLMN ref. to:** ETS 300 544 [32], subclause 2 ETS 300 567 [38], subclause 2	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/HOLD/TC1411104	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1411105	**PLMN ref. to:** ETS 300 544 [32], subclause 2 ETS 300 567 [38], subclause 2	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/HOLD/TC1411105	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1411106	**PLMN ref. to:** ETS 300 544 [32], subclause 2 ETS 300 567 [38], subclause 2	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/HOLD/TC1411106	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1411201	**PLMN ref. to:** ETS 300 544 [32], subclause 1 ETS 300 567 [38], subclause 1	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CW/TC1411201	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1411202	**PLMN ref. to:** ETS 300 544 [32], subclause 1 ETS 300 567 [38], subclause 1	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CW/TC1411202	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1411301	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25,	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/UUS1/TC1411301	
PLMN selection criteria orign.:	UUS1	
PLMN selection criteria term.:	UUS1	
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 orign.:	GSM-BC=speech, UI length=32	
PLMN parameter values term.:	GSM-BC=speech, UI length=32	
Comments:		

1411302	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25,	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/UUS1/TC1411302	
PLMN selection criteria orign.:	UUS1	
PLMN selection criteria term.:	UUS1	
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 orign.:	GSM-BC=speech, UI length=32	
PLMN parameter values term.:	GSM-BC=speech, UI length=32	
Comments:		

1411303	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/UUS1/TC1411303	
PLMN selection criteria orign.:	UUS1	
PLMN selection criteria term.:	UUS1	
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 orign.:	GSM-BC=speech, UI length=32	
PLMN parameter values term.:	GSM-BC=speech, UI length=32	
Comments:		

1411304	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25,	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/UUS1/TC1411304	
PLMN selection criteria orign.:	UUS1	
PLMN selection criteria term.:	UUS1	
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 orign.:	GSM-BC=speech, UI length=32	
PLMN parameter values term.:	GSM-BC=speech, UI length=32	
Comments:		

1411305	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25,	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/UUS1/TC1411305	
PLMN selection criteria orign.:	UUS1	
PLMN selection criteria term.:	UUS1	
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 orign.:	GSM-BC=speech, UI length=32	
PLMN parameter values term.:	GSM-BC=speech, UI length=32	
Comments:		

1411306	**PLMN ref. to:** ETS 300 557 [35]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/UUS1/TC1411306	
PLMN selection criteria orign.:	UUS1	
PLMN selection criteria term.:	UUS1	
Test purpose:	To verify that UUI can be discarded by the network B without disrupting Normal call handling	
PLMN parameter values orign.:	GSM-BC=speech, UI length=32	
PLMN parameter values term.:	GSM-BC=speech	
Comments:	.	

1411401	**PLMN ref. to:** ETS 300 517, ETS 300 545	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/MPTY/TC1411401	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
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.	

1411402	**PLMN ref. to:** ETS 300 517, ETS 300 545	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/MPTY/TC1411402	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
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.	

1411403	**PLMN ref. to:** ETS 300 517, ETS 300 545	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/MPTY/TC1411403	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
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.	

1411404	**PLMN ref. to:** ETS 300 517, ETS 300 545	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/MPTY/TC1411404	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
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.	

1411405	**PLMN ref. to:** ETS 300 517, ETS 300 545	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/MPTY/TC1411405	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
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.	

1411406	**PLMN ref. to:** ETS 300 517, ETS 300 545	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/MPTY/TC1411406	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
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.	

1411407	**PLMN ref. to:** ETS 300 517, ETS 300 545	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/MPTY/TC1411407	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
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.	

1411408	**PLMN ref. to:** ETS 300 517, ETS 300 545	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/MPTY/TC1411408	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
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.	

1411409	**PLMN ref. to:** ETS 300 517, ETS 300 545	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/MPTY/TC1411409	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1411410	**PLMN ref. to:** ETS 300 517, ETS 300 545	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/MPTY/TC1411410	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1411411	**PLMN ref. to:** ETS 300 517, ETS 300 545	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/MPTY/TC1411411	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1411501	**PLMN ref. to:** ETS 300 548 [34]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/Call barring service/ TC1411501	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1411502	**PLMN ref. to:** ETS 300 548 [34]	
TSS reference:	PLMN-PLMN/Supplementary_services/Call barring service/TC1411502	
PLMN selection criteria orign.:		
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 orign.:	GSM-BC=speech	
PLMN parameter values term.:		
Comments:		

1411503	**PLMN ref. to:** ETS 300 548 [34]	
TSS reference:	PLMN-PLMN/Supplementary_services/Call barring service/TC1411503	
PLMN selection criteria orign.:		
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 orign.:	GSM-BC=speech	
PLMN parameter values term.:		
Comments:		

1411601	**PLMN ref. to:** ETS 300 518 [30]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG_CFU/TC1411601	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1411602	**PLMN ref. to:** ETS 300 518 [30]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG_CFU/TC1411602	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:		
Comments:		

1411603	**PLMN ref. to:** ETS 300 518 [30]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG_CFU/TC1411603	
PLMN selection criteria orign.:	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 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 orign.:	GSM-BC=speech	
PLMN parameter values term.:		
Comments:		

1411604	**PLMN ref. to:** ETS 300 518 [30]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG_CFU/TC1411604	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=speech	
PLMN parameter values term.:		
Comments:		

1411605	**PLMN ref. to:** ETS 300 518 [30]	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CUG_CFU/TC1411605	
PLMN selection criteria orign.:	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 CFU and 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 orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

1411701	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CFB_CW/TC1411701	
PLMN selection criteria orign.:	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 orign.:	**A: !** GSM-BC=speech	
PLMN parameter values term.:	**B:** CFB-UDUB, CW active **C: ?** GSM-BC=speech	
Comments:		

1411702	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2	
TSS reference:	PLMN-PLMN/Supplementary_services/Speech/CFB_CW/TC1411702	
PLMN selection criteria orign.:	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 orign.:	**A: !** GSM-BC=speech	
PLMN parameter values term.:	**B:** CFB-UDUB, CW active **C: ?** GSM-BC=speech	
Comments:		

6.2.14.2 Bearer capability "UDI"

Supplementary Services
UDI

1420101	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.2, ETS 300 542 [57], subclause 1 ETS 300 565 [36], subclause 1	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CLIP/TC1420101	
PLMN selection criteria orign.:	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 = UDI with V.110/X.30 rate adaption, Calling party subaddress	

PLMN parameter values orign.:	GSM-BC= UDI with V.110/X.30 rate adaption Calling party number: PI=PA TON= national/international number SI=NP, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])
Comments:	

1420102	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.2 ETS 300 542 [57], subclause 1 ETS 300 565 [36], subclause 1	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CLIP/TC1420102	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	GSM-BC= UDI with V.110/X.30 rate adaption, Calling party number: PI=PA SI=NP TON= national/international number, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])	
Comments:		

1420201	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.2 ETS 300 542 [57], subclause 2, ETS 300 565 [36], subclause 2	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CLIR/TC1420201	
PLMN selection criteria orign.:	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 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 orign.:	GSM-BC = UDI with V.110/X.30 rate adaption, Calling party subaddress	
PLMN parameter values term.:	GSM-BC= UDI with V.110/X.30 rate adaption, Calling party number: PI=PR TON = NP I= unknown SI=NP	
Comments:		

1420202	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.2 ETS 300 542 [57], subclause 2 ETS 300 565 [36], subclause 2	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CLIR/TC1420202	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	Calling party number: PI=PR TON = NP I= unknown SI=NP	
Comments:		

1420301	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.5.2 ETS 300 542 [57], subclause 3 ETS 300 565 [36], subclause 3	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/COLP/TC1420301	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption, Connected number PI=PA, SI=NP, TON= national/international number, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25]) Connected subaddress	
PLMN parameter values term.:	Connected subaddress	
Comments:		

1420302	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.5.2 ETS 300 542 [57], subclause 3 ETS 300 565 [36], subclause 3	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/COLP/TC1420302	
PLMN selection criteria orign.:	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 orign.:	GSM-BC = UDI with V.110/X.30 rate adaption, Connected number: SI=NP TON= national/international number, NPI= ISDN/Telephony numbering plan (ITU-T Rec. E.164 [25])	
PLMN parameter values term.:	GSM-BC = UDI with V.110/X.30 rate adaption	
Comments:		

1420401	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.5.2 ETS 300 542 [57], subclause 3 ETS 300 565 [36], subclause 3	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/COLR/TC1420401	
PLMN selection criteria orign.:	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 orign.:	GSM-BC = UDI with V.110/X.30 rate adaption, Connected number: PI=PR, SI=NP, TON=unknown, NPI=unknown;	
PLMN parameter values term.:	GSM-BC = UDI with V.110/X.30 rate adaption	
Comments:		

1420501	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420501	
PLMN selection criteria orign.:	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 orign.:	GSM-BC= UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA)	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1420502	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC810502	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA)	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1420503	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC810503	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA)	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1420504	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420504	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1420505	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420505	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1420506	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420506	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1420507	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC810503	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1420508	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC810508	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1420509	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC810509	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1420510	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420510	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

1420511	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420511	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption;	
Comments:		

1420512	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420512	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption;	
Comments:		

1420513	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420513	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

1420514	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420514	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption;	
Comments:		

1420515	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420515	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

1420516	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420516	
PLMN selection criteria orign.:	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.	
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

1420517	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420517	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

1420518	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420518	
PLMN selection criteria orign.:	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 orign.:	GSM-BC= UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:		
Comments:		

1420519	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420519	
PLMN selection criteria orign.:	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 orign.:	GSM-BC= UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:		
Comments:		

1420520	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420520	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter values term.:		
Comments:		

1420521	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420521	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter values term.:		
Comments:		

1420522	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420522	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:		
Comments:		

1420523	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420523	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:		
Comments:		

1420524	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420524	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:		
Comments:		

1420525	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420525	
PLMN selection criteria orign.:	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 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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI).	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1420526	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420526	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI).	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1420527	**PLMN ref. to:** ETS 300 546 [33] ETS 300 569 [39]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG/TC1420527	
PLMN selection criteria orign.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption; ForwardCUG-Info: CUG Index (CI).	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption; Facility (Invoke =NotifySS (CUG-Index))	
Comments:		

1420601	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.1.5	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/SUB/TC1420601	
PLMN selection criteria orign.:	SUB	
PLMN selection criteria term.:	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 orign.:	GSM-BC=UDI with V.110/X.30 rate adaption, Called party subaddress	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption, Called party subaddress	
Comments:		

1420602	**PLMN ref. to:** ETS 300 557 [35], subclause 9.3.23.1.5	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/SUB/TC1420602	
PLMN selection criteria orign.:	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=UDI with V.110/X.30 rate adaption, Called party subaddress	
PLMN parameter values orign.:	GSM-BC=UDI, with V.110/X.30 rate adaption, Called party subaddress	
Comments:		

1420701	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CFU/TC1420701	
PLMN selection criteria orign.:	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 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 [CFB, SS-Notification]) message, user **C** is notified with a FACILITY IE (Invoke =NotifySS [CFU,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	CFU active **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

1420702	**PLMN ref. to:** ETS 300 566 [37], subclause 1 ETS 300 543 [31], subclause 1	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CFU/TC1420702	
PLMN selection criteria orign.:	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 term.:	The user B is in network N2 provided with CFU ("calling user is notified of call diversion" **= No**) and **CLIR**.	
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. User **C** is notified with a FACILITY IE (Invoke =NotifySS [CFU,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption;	
PLMN parameter values term.:	CFU active **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

1420801	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CFB/TC1420801	
PLMN selection criteria orign.:	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 term.:	The user B is in network N2 and is provided with CFB-**UDUB** ("calling user is notified of call diversion" = **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.	
PLMN parameter values orign.:	**A: !** BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	CFB-UDUB active **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

1420802	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CFB/TC1420802	
PLMN selection criteria orign.:	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 term.:	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** 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 orign.:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	CFB-UDUB active **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

1420803	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CFB/TC1420803	
PLMN selection criteria orign.:	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 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 orign.:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	CFB-NDUB active **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

1420804	**PLMN ref. to:** ETS 300 566 [37], subclause 2 ETS 300 543 [31], subclause 2	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CFB/TC1420804	
PLMN selection criteria orign.:	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 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**) and **CLIR**.	
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 orign.:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	CFB-NDUB active **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

1420901	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CFNRy/TC1420901	
PLMN selection criteria orign.:	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 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 orign.:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	CFNRy active **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

1420902	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CFNRy/TC1420902	
PLMN selection criteria orign.:	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 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**) and **CLIR**.	
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 orign.:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	CFNRy active **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

1421001	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CFNRc/TC1421001	
PLMN selection criteria orign.:	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 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 orign.:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	CFNRc active, the user is detached **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

1421002	**PLMN ref. to:** ETS 300 566 [37], subclause 3 ETS 300 543 [31], subclause 3	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CFNRc/TC1421002	
PLMN selection criteria orign.:	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 term.:	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** 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 orign.:	**A: !** GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	CFNRc active, the user is detached **C: ?** GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

1421101	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25,	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/UUS1/TC1421101	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	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.	
PLMN parameter values orign.:	GSM-BC = UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values term.:	GSM-BC = UDI with V.110/X.30 rate adaption, UI length=32	
Comments:		

1421102	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/UUS1/TC1421102	
PLMN selection criteria orign.:	The calling (served) user is provided with UUS1 implicit request	
PLMN selection criteria term.:	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.	
PLMN parameter values orign.:	GSM-BC = UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values term.:	GSM-BC = UDI with V.110/X.30 rate adaption, UI length=32	
Comments:		

1421103	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25,	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/UUS1/TC1421103	
PLMN selection criteria orign.:	The calling (served) user is provided with UUS1 implicit request	
PLMN selection criteria term.:	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.	
PLMN parameter values orign.:	GSM-BC = UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values term.:	GSM-BC = UDI with V.110/X.30 rate adaption, UI length=32	
Comments:		

1421104	**PLMN ref. to:** ETS 300 557 [35], subclause 10.5.4.25,	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/UUS1/TC1421104	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	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.	
PLMN parameter values orign.:	GSM-BC = UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values term.:	GSM-BC = UDI with V.110/X.30 rate adaption, UI length=32	
Comments:		

1421105	**PLMN ref. to:** ETS 300 557 [35]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/UUS1/TC1421105	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	UUS1i	
Test purpose:	Verify that UUI can be discarded by the network without disrupting normal call handling.	
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption, UI length=32	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:	.	

1421201	**PLMN ref. to:** ETS 300 548 [34]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/Call barring service/TC1421201	
PLMN selection criteria orign.:	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.	
PLMN selection criteria term.:		
Test purpose:	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 orign.:	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:		

1421202	**PLMN ref. to:** ETS 300 548 [34]	
TSS reference:	PSTN-PLMN/Supplementary_services/UDI/Call barring service/TC1421202	
PLMN selection criteria orign.:		
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 orign.:	GSM-BC=UDI, with V.110/X.30 rate adaption	
PLMN parameter values term.:		
Comments:		

1421203	**PLMN ref. to:** ETS 300 548 [34]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/Call barring service/TC1421203	
PLMN selection criteria orign.:		
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:	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 orign.:	GSM-BC=UDI, with V.110/X.30 rate adaption	
PLMN parameter values term.:		
Comments:	EDITORS NOTE 3: The cause value with witch the call shall be rejected is not defined.	

1421301	**PLMN ref. to:** ETS 300 518 [30]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG_CFU/TC1421301	
PLMN selection criteria orign.:	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 orign.:	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:		

1421303	**PLMN ref. to:** ETS 300 518 [30]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG_CFU/TC1421303	
PLMN selection criteria orign.:	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 orign.:	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:		

1421304	**PLMN ref. to:** ETS 300 518 [30]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG_CFU/TC1421304	
PLMN selection criteria orign.:	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 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 orign.:	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:		

1421305	**PLMN ref. to:** ETS 300 518 [30]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG_CFU/TC1421305	
PLMN selection criteria orign.:	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 orign.:	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:		

1421306	**PLMN ref. to:** ETS 300 518 [30]	
TSS reference:	PLMN-PLMN/Supplementary_services/UDI/CUG_CFU/TC1421306	
PLMN selection criteria orign.:	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 CFU and 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 orign.:	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:		

6.2.15 Test purposes for PLMN-PLMN, B-channel end-to-end performance

B-channel end-to-end performance

1510101	**PLMN ref. to:** ETS 300 557 [35] ITU-T Rec. G. 101	
TSS reference:	PLMN-PLMN/ B-channel end-to-end performance /Speech/TC310101	
PLMN selection criteria:	Voice transmission	
Test purpose:	To ensure that speech transfer on the B-channel is performed correctly.	
PLMN parameter values:	GSM-BC=speech	
Comments:	The tests should be based on the E-Model described in the ITU-T Rec. G. 101, Appendix I.	

1510201	**PLMN ref. to:** ETS 300 557 [35] ITU-T Rec. G. 101	
TSS reference:	PLMN-PLMN/ B-channel end-to-end performance /3,1 kHz audio/TC310201	
PLMN selection criteria:	Data transmission	
Test purpose:	To verify compliance with the requirements for error and octet slip for the first or the last continuous 24 hour period.	
PLMN parameter values:	GSM-BC= 3,1 kHz audio ex PLMN	
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

1510301	**PLMN ref. to:** ETS 300 557 [35] ETS 300 578 [55]	
TSS reference:	PLMN-PLMN/ B-channel end-to-end performance /UDI/TC310301	
PLMN selection criteria:	Data transmission	
Test purpose:	To verify compliance with the requirements for error and octet slip for the first or the last continuous 24 hour period.	
PLMN parameter values:	BC = UDI, V.110/X.30 synchronous mode; PRBS=2^{11}-1	
Comments:	The tests should be based on the requirements described in the ETS 300 578 [55]	

Bibliography

The following material, though not specifically referenced in the body of the present document (or not publicly available), gives supporting information.

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".

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".

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)".

ETS 300 210-1: "Integrated Services Digital Network (ISDN); Freephone (FPH) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

ETS 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 [43] (1993), modified]".

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ETS 300 500: "Digital cellular telecommunications system (Phase 2); Principles of telecommunication services supported by a GSM Public Land Mobile Network (PLMN) (GSM 02.01)".

ETS 300 501: "European digital cellular telecommunications system (Phase 2); Bearer Services (BS) supported by a GSM Public Land Mobile Network (PLMN) (GSM 02.02)".

ETS 300 503: "Digital cellular telecommunications system (Phase 2); General on supplementary services (GSM 02.04)".

ETS 300 514: "Digital cellular telecommunications system (Phase 2); Line identification supplementary services; Stage 1 (GSM 02.81 version 4.6.1)".

ETS 300 516: "Digital cellular telecommunications system (Phase 2); Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1 (GSM 02.83)".

ETS 300 520: "Digital cellular telecommunications system (Phase 2); Call Barring (CB) supplementary services; Stage 1 (GSM 02.88)".

ETS 300 523: "European digital cellular telecommunications system (Phase 2); Numbering, addressing and identification (GSM 03.03)".

ETS 300 529: "Digital cellular telecommunications system (Phase 2); Technical realization of supplementary services (GSM 03.11)".

ETS 300 558: "Digital cellular telecommunications system (Phase 2); Mobile radio interface layer 3; Supplementary services specification; General aspects (GSM 04.10)".

ETS 300 564: "Digital cellular telecommunications system (Phase 2); Mobile radio interface layer 3; Supplementary services specification; Formats and coding (GSM 04.80)".

ETS 300 571: "Digital cellular telecommunications system (Phase 2); Call Barring (CB) supplementary services; Stage 3 (GSM 04.88)".

ETS 300 589: "European digital cellular telecommunications system (Phase 2); Signalling transport mechanism specification for the Base Station System - Mobile-services Switching Centre (BSS - MSC) interface (GSM 08.06)".

ETS 300 590: "Digital cellular telecommunications system (Phase 2); Mobile-services Switching Centre - Base Station System (MSC - BSS) interface; Layer 3 specification (GSM 08.08 version 4.12.1)".

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History

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