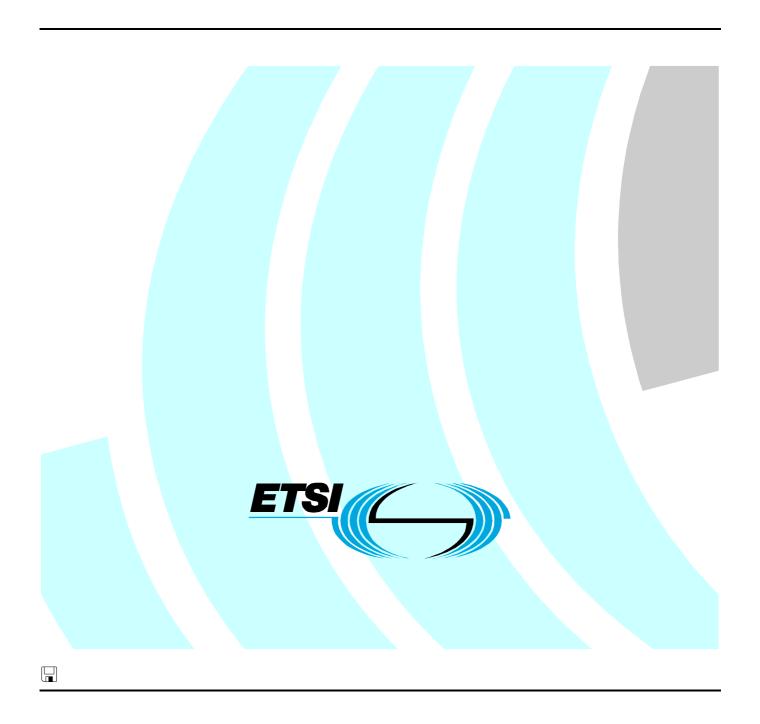
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Technical Specification

Services and Protocols for Advanced Networks (SPAN);

Network Integration Testing
between GSM Phase 2+, ISDN and PSTN;
Part 2: Abstract Test Suite (ATS) and partial Protocol
Implementation eXtra Information for Testing (PIXIT)



Reference

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Keywords

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TSS&TP

ETSI

650 Route des Lucioles F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C Association à but non lucratif enregistrée à la Sous-Préfecture de Grasse (06) N° 7803/88

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Foreword

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

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

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

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

Introduction

The present document contains the Implementation Conformance Statement (ICS) and Implementation eXtra Information for Testing (IXIT) for Network Integration Testing for the European ISDN and PLMN, covering Network Integration Testing (NIT) between ISDN-GSM, PSTN-GSM, PLMN-ISDN, PLMN-PSTN and PLMN-PLMN networks. The objective is to verify the level of international or national end-to-end support of ISDN and PLMN (GSM) services. Both bearer services (and associated teleservices) and supplementary services are checked for interworking capability and compatibility, in the European ISDN and PLMN.

1 Scope

The present document specifies the Implementation Conformance Statement (ICS) and Implementation eXtra Information for Testing (IXIT) for Network Integration Testing for Network Integration Testing (NIT) to verify the overall compatibility of GSM, ISDN and non-ISDN (PSTN) over the national or international ISUP between networks. Network Integration Testing will assure that the appropriate requested features passes between an ISDN subscriber and the mobile subscriber across the national or international ISUP (ISUP V2) interface.

2 References

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

- References are either specific (identified by date of publication and/or edition number or version number) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.

Referenced documents which are not found to be publicly available in the expected location might be found at http://docbox.etsi.org/Reference.

[1]	ETSI EN 300 403-1: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Signalling network layer for circuit-mode basic call control; Part 1: Protocol specification [ITU-T Recommendation Q.931 (1993), modified]".
[2]	ETSI ETS 300 092-1: "Integrated Services Digital Network (ISDN); Calling Line Identification Presentation (CLIP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[3]	ETSI 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".
[4]	ETSI 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".
[5]	ETSI 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".
[6]	ETSI 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".
[7]	ETSI 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".
[8]	ETSI 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".
[9]	ETSI ETS 300 207-1: "Integrated Services Digital Network (ISDN); Diversion supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

- [10] ETSI 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".
- [11] ETSI 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".
- [12] ETSI 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".
- [13] ETSI ETS 300 196-1: "Integrated Services Digital Network (ISDN); Generic functional protocol for the support of supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [14] ISO/IEC 9646-1: "Information technology Open Systems Interconnection Conformance testing methodology and framework Part 1: General concepts ".
- [15] ISO/IEC 9646-2: "Information technology Open Systems Interconnection Conformance testing methodology and framework Part 2: Abstract Test Suite specification ".
- [16] ISO/IEC 9646-3: "Information technology Open Systems Interconnection Conformance testing methodology and framework Part 3: The Tree and Tabular Combined Notation (TTCN) ".
- [17] ETSI TS 100 543: "Digital cellular telecommunications system (Phase 2+) (GSM); Call Forwarding (CF) supplementary services; Stage 2 (GSM 03.82)".
- [18] ETSI EN 300 940: "Digital cellular telecommunications system (Phase 2+) (GSM); Mobile radio interface layer 3 specification (GSM 04.08)".
- [19] ETSI EN 300 951: "Digital cellular telecommunications system (Phase 2+) (GSM); Line identification supplementary services; Stage 3 (GSM 04.81)".
- [20] ETSI EN 300 952: "Digital cellular telecommunications system (Phase 2+) (GSM); Call Forwarding (CF) supplementary services; Stage 3 (GSM 04.82)".
- [21] ETSI EN 300 953: "Digital cellular telecommunications system (Phase 2+) (GSM); Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 3 (GSM 04.83)".
- [22] ETSI TS 100 569: "Digital cellular telecommunications system (Phase 2+) (GSM); Closed User Group (CUG) supplementary services; Stage 3 (GSM 04.85)".
- [23] ETSI TS 100 956: "Digital cellular telecommunications system (Phase 2+) (GSM); Call Barring (CB) supplementary services; Stage 3 (GSM 04.88)".
- [24] ETSI TS 100 913: "Digital cellular telecommunications system (Phase 2+) (GSM); General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS) (GSM 07.01)".
- [25] ETSI TS 100 976: "Digital cellular telecommunications system (Phase 2+) (GSM); General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) (GSM 09.07)".
- [26] ETSI TS 124 087 (V3.0.0): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); User-to-User Signalling (UUS) Supplementary Service Stage3 (3G TS 24.087 version 3.0.0 Release 1999)".
- [27] ETSI ETS 300 559: "Digital cellular telecommunications system (Phase 2) (GSM);Point-to-Point (PP) Short Message Service (SMS) support on mobile radio interface (GSM 04.11)".
- [28] ETSI ETS 300 646-1: "Integrated Services Digital Network (ISDN); Signalling System No.7; Digital cellular telecommunications system (Phase 2); Application of ISDN User Part (ISUP) version 2 for the ISDN-Public Land Mobile Network (PLMN) signalling interface; Part 1: Protocol specification (GSM 09.12 version 4.1.1)".

[29]	ETSI ETS 300 001: "Attachments to the Public Switched Telephone Network (PSTN); General technical requirements for equipment connected to an analogue subscriber interface in the PSTN".
[30]	ETSI EN 300 954: "Digital cellular telecommunications system; Multi Party (MPTY) supplementary services; Stage 3 (GSM 04.84 version 5.0.1)".
[31]	ETSI ETS 300 648: "Public Switched Telephone Network (PSTN); Calling Line Identification Presentation (CLIP) supplementary service; Service description".
[32]	ISO/IEC 9646-4: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 4: Test realization".
[33]	ISO/IEC 9646-7: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".
[34]	ITU-T Recommendation G.711: "Pulse code modulation (PCM) of voice frequencies".
[35]	ITU-T Recommendation H.221: "Frame structure for a 64 to 1920 kbit/s channel in audiovisual teleservices".
[36]	ITU-T Recommendation H.242: "System for establishing communication between audiovisual terminals using digital channels up to 2 Mbit/s".
[37]	ITU-T Recommendation V.110: "Support by an ISDN of data terminal equipments with V-Series type interfaces".
[38]	ITU-T Recommendation X.30: "Support of X.21, X.21 bis and X.20 bis based Data Terminal Equipments (DTEs) by an Integrated Services Digital Network (ISDN)".
[39]	ITU-T Recommendation F.721: "Videotelephony teleservice for ISDN".
[40]	ISO/IEC 7776: "Information technology - Telecommunications and information exchange between systems - High-level data link control procedures - Description of the X.25 LAPB-compatible DTE data link procedures".
[41]	ISO/IEC 8208: "Information technology - Data communications - X.25 Packet Layer Protocol for Data Terminal Equipment".

3 Definitions

3.1 Definitions related to conformance testing

For the purposes of the present document, the terms and definitions given in ISO/IEC 9646-1 [14] apply:

Abstract Test Case (ATC): Refer to ISO/IEC 9646-1 [14].

Abstract Test Suite (ATS): Refer to ISO/IEC 9646-1 [14].

Implementation Conformance Statement (ICS) proforma: Refer to ISO/IEC 9646-1 [14].

Implementation eXtra Information for Testing (IXIT) proforma: Refer to ISO/IEC 9646-1 [14].

Implementation Under Test (IUT): Refer to ISO/IEC 9646-1 [14].

lower tester: Refer to ISO/IEC 9646-1 [14].

Point of Control and Observation: Refer to ISO/IEC 9646-1 [14].

Protocol Implementation Conformance Statement (PICS): Refer to ISO/IEC 9646-1 [14].

Protocol Implementation eXtra Information for Testing (PIXIT): Refer to ISO/IEC 9646-1 [14].

System Under Test (SUT): Refer to ISO/IEC 9646-1 [14].

Test Purpose: Refer to ISO/IEC 9646-1 [14].

3.2 Definitions related to test purpose descriptions

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

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

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

NOTE 1: If either the speech or data portion of the call requires a full rate channel, a full rate channel shall be used for the duration of the call.

NOTE 2: The access interface at the mobile station for the data portion is assumed to be a standard data interface. Some means must be provided to select the speech/data capability.

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

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

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

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

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

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

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

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

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

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

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

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

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

GSM-BC=UD: Unrestricted Digital Information (UD); Provides the transfer of unrestricted digital information

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 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 the following categories:

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

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)"

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

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

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

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

LLC=telematic_term: low layer compatibility information element with its user information layer 2 field indicating "ISO/IEC 7776 DTE-DTE operation" and user information layer 3 field indicating "ISO/IEC 8208"

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

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

NPI=unknown: numbering plan identification coded as "unknown"

PI=PR: presentation indicator coded as "Presentation restricted"

SI=NP: screening indicator coded as "Network provided"

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

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

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

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

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

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

3.3 Abbreviations

For the purpose of the present document the following abbreviations apply:

ATS Abstract Test Suite 3PTY Three-party conference

BC Bearer capability information element

BS Base Station

BSC Base Station Controller BSS Base Station System

CAMEL Customized Applications for Mobile Network Enhanced Logic

CD Call Deflection

CDMA Code Division Multiple Access

CFB Call Forwarding Busy
CFNR Call Forwarding No Re

CFNR Call Forwarding No Response
CFNRc Call Forwarding on mobile subscriber Not Reachable

CFNRy Call Forwarding on No Reply
CFU Call Forwarding Unconditional
CLIP Calling Line Identification Presentation
CLIR Calling Line Identification Restriction
COLP Connected Line Identification Restriction
COLR Connected Line Identification Restriction

CONF CONFerence (add-on)
CUG Closed User Group
CW Call Waiting
ECT Explicit Call Transfer

FPH Explicit Call Transfer FPH FreePHone service

GSM Global System for Mobile Communication

H/V-PLMN Home/Visited PLMN

HLC High Layer Compatibility information element

HPLMN Home Public Land Mobile Network

IA Incoming Access

ICB Incoming Calls Barred within a CUG
IMSI International Mobile Subscriber Identity

IN Intelligent Network

INAP Intelligent Network Application Part

IP Internet Protocol

ISDN Integrated Services Digital Network

ISUP ISDN User Part

IUT Implementation Under Test

LLC Low Layer Compatibility information element

MAP Mobile Application Part MCID Malicious Call Identification

MS Mobile Station

MSC Mobile Switching Center MSISDN Mobile Station ISDN number

MT Mobile Terminal
MTP Message Transfer Part
NIT Network Integration Testing
OCB Outgoing Calls Barred within a CUG
OSI Open Systems Interconnection

PI Presentation Indicator

PIXIT Protocol Implementation eXtra Information for Testing

PLMN Public Land Mobile Network
PSTN Public Switched Telephone Network
SGSN Serving GPRS Support Node

SI Screening Indicator SMS Short Message Service SUB SUBaddressing

TCAP Transaction Capabilities Application Part

TON Type Of Number

TP Terminal portability
TSS Test Suite Structure

TSS&TP Test Suite Structure and Test Purposes
UD Unrestricted Digital information

UMTS Universal Mobile Telecommunications System

UUS User-to-user signalling

UUS1 UUS service 1 UUS2 UUS service 2 UUS3 UUS service 3

VLR Visitor Location Register

VPLMN Visited Public Land Mobile Network

4 Conformance to this ICS and IXIT proformas specification

If it claims to conform to the present document, the actual ICS proforma to be filled in by a supplier shall be technically equivalent to the text of the ICS proforma given in annex A, and shall preserve the numbering/naming and ordering of the proforma items.

An ICS, which conforms to the present document, shall be a conforming ICS proforma completed in accordance with the guidance for completion given in clause A.1.

A test realizer, producing a executable test suite for this ATS specification is required, as specified in ISO/IEC 9646-7 [33], to produce an augmented partial IXIT proforma conformant with the text of the partial IXIT proforma given in annex B.

An augmented partial IXIT proforma which conforms to this partial IXIT proforma specification shall, as a minimum, have contents which are technically equivalent to annex B. The augmented partial IXIT proforma may contain additional questions that need to be answered in order to prepare the Means Of Testing (MOT) for a particular IUT. The test laboratory may further augment the augmented partial IXIT proforma to produce a IXIT proforma conformant with this partial IXIT proforma specification.

A IXIT proforma which conforms to this partial IXIT proforma specification shall, as a minimum, have contents which are technically equivalent to annex B. The IXIT proforma may contain additional questions that need to be answered in order to prepare the test laboratory for a particular IUT.

5 ATS Conformance

The test realizer, producing a Means Of Testing (MOT) and Executable Test Suite (ExTS) for this Abstract Test Suite (ATS) specification, shall comply with the requirements of ISO/IEC 9646-4 [32]. In particular, these concern the realization of an Executable Test Suite (ExTS) based on each ATS. The test realizer shall provide a statement of conformance of the MOT to this ATS specification.

An ExTS which conforms to this ATS specification shall contain test groups and test cases which are technically equivalent to those contained in the ATS in annex C. All sequences of test events comprising an abstract test case shall be capable of being realized in the executable test case. Any further checking which the test system might be capable of performing is outside the scope of this ATS specification and shall not contribute to the verdict assignment for each test case.

A test laboratory which claims to conform to this ATS specification shall use a MOT which conforms to this ATS.

Annex A (normative): End-to-end ICS proforma

Notwithstanding the provisions of the copyright clause related to the text of the present document, ETSI grants that users of the present document may freely reproduce the ICS proforma in this annex so that it can be used for its intended purposes and may further publish the completed ICS.

A.1 Guidance for completing the ICS proforma

A.1.1 Purposes and structure

The purpose of this ICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined by ETSI, may provide information about the implementation in a standardized manner.

The proforma is subdivided into clauses for the following categories of information:

- guidance for completing the proformas;
- identification of the implementation;
- global statement of conformance.

A.1.2 Abbreviations and conventions

The ICS proforma contained in annex A is comprised of information in tabular form in accordance with the guidelines presented in ISO/IEC 9646-7 [33].

Item column:

• The item column contains a number which identifies the item in the table.

Item description column:

• The item description column describes in free text each respective item (e.g. parameters, timers, etc.). It implicitly means "is <item description> supported by the implementation?".

Status column:

- The following notations, defined in ISO/IEC 9646-7 [33], are used for the status column:
 - m mandatory the capability is required to be supported.
 - o optional the capability may be supported or not.
 - n/a not applicable in the given context, it is impossible to use the capability.
 - x prohibited (excluded) there is a requirement not to use this capability in the given context.
 - o.i qualified optional for mutually exclusive or selectable options from a set. "i" is an integer which identifies an unique group of related optional items and the logic of their selection which is defined immediately following the table.
 - ci conditional the requirement on the capability ("m", "o", "x" or "n/a") depends on the support of other optional or conditional items. "i" is an integer identifying an unique conditional status expression which is defined immediately following the table.

Support column:

• The support column shall be filled in by the supplier of the implementation. The following common notations, defined in ISO/IEC 9646-7 [33], are used for the support column:

Y or y supported by the implementation.

N or n not supported by the implementation.

N/A, n/a or - no answer required (allowed only if the status is n/a, directly or after evaluation of a

conditional status).

It is also possible to provide a comment to an answer in the space provided at the bottom of the table.

Values allowed column:

• The values allowed column contains the type, the list, the range, or the length of values allowed. The following notations are used:

range of values: <min value> .. <max value>

EXAMPLE 1: 5 .. 20

list of values: <value1>, <value2>,, <valueN>

EXAMPLE 2: 2,4,6,8,9

EXAMPLE 3: "1101"B, "1011"B, "1111"B

EXAMPLE 4: "0A"H, "34"H, 2F"H

- list of named values: <name1>(<val1>), <name2>(<val2>), ..., <nameN>(<valN>

EXAMPLE 5: reject(1), accept(2)

- length: size (<min size> .. <max size>)

EXAMPLE 6: size (1 .. 8)

Values supported column:

• The values supported column shall be filled in by the supplier of the implementation. In this column, the values or the ranges of values supported by the implementation shall be indicated.

A.1.3 Instructions for completing the ICS proforma

The supplier of the implementation shall complete the ICS proforma in each of the spaces provided. In particular, an explicit answer shall be entered, in each of the support or supported column boxes provided, using the notation described in clause A.1.2.

If necessary, the supplier may provide additional comments in space at the bottom of the tables, or separately on sheets of paper.

More detailed instructions may be given at the beginning of the different clauses of the ICS proforma.

A.2 Identification of the implementation

Identification of the Implementation Under Test (IUT), the Integrated Services Digital Network provided by the European public telecommunications operator, should be filled in so as to provide as much detail as possible regarding version numbers and configuration options.

The product supplier information and client information should both be filled in if they are different.

A person who can answer queries regarding information supplied in the ICS and IXIT should be named as the contact person.

Void

A.2.2 Implementation Under Test (IUT) identification

IUT name:

IUT version:

A.2.3 ICS contact person
(A person to contact if there are any queries concerning the content of the ICS or IXIT)

Name:

Telephone number:

E-mail address:

Additional information:

A.3 Identification of the document

This ICS proforma apply to the following standard:

- EN 300 403-1
- EN 300 940

Other ETSI standards related to ISDN, DSS1 and PLMN signalling, layer 3 testing.

A.4 ISDN - GSM Interworking

A.4.1 Basic call

Table A.1: Services based on bearer capability speech

Item	Service	Reference	Status	Support
	ISDN			
1	Speech	EN 300 403-1	0	
	GSM			
2	TS 11	EN 300 940	0.1	

Table A.2: Bearer service 3,1 kHz audio

Item	Service	Reference	Status	Support
	ISDN			
1	Bearer service 3,1 kHz audio	EN 300 403-1	0	
2	Telefax G3 terminals		0	
	GSM			
3	Multi Numbering Scheme and TS11	EN 300 940	0.1	
4	Single Numbering Scheme		0.2	
5	Single Numbering Scheme and TS11		0	
6	Telefax G3 terminals at calling user side and Telefax		0	
	G3 terminals (TS61) at called side			
7	Telefax G3 terminals at calling user side and TS62 at		0	
	the called side			
8	Telefax G3 terminals at calling user side and TS62 and		0	
	Single Numbering Scheme at the called side			
0.1	It is mandatory to support at least one of these options		•	
0.2	It is mandatory to support at least one of these options			

Table A.3: User rates for Bearer service 3,1 kHz audio ISDN/GSM

Item	Service	Reference	Status	Support
	GSM			
1	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s	EN 300 940 TS 100 976	0	
2	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4 kbit/s G_USER_RATE: 2,4 kbit/s		0	
3	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s		0	
4	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s		0	
5	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s		0	
6	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s		0	
7	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4 kbit/s G_USER_RATE: 2,4 kbit/s		0	
8	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s		0	
9	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s		0	

Table A.4: Services based on bearer service unrestricted digital information

Item	Service	Reference	Status	Support
	ISDN			
1	Services based on bearer service unrestricted digital information	EN 300 403-1	0	
	GSM			
2	UDI	EN 300 940	0	
3	Multi Numbering Scheme		0.3	
4	Single Numbering Scheme		0.4	
o.3 o.4	It is mandatory to support at least one of these options It is mandatory to support at least one of these options			

Table A.5: User rates for UDI / ISDN

Item	Service	Reference	Status	Support
	GSM			
1	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s	EN 300 940 TS 100 976	0	
2	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4 kbit/s G_USER_RATE: 2,4 kbit/s		0	
3	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s		0	
4	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s		0	
5	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s		0	
6	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s		0	
7	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4 kbit/s G_USER_RATE: 2,4 kbit/s		0	
8	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s		0	
9	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s		0	

Table A.6: Services based on bearer service unrestricted digital information with tones/announcements

Item	Service	Reference	Status	Support
	ISDN			
1	Services based on bearer service unrestricted digital information with tones/announcements	EN 300 403-1	0	

A.4.2 Supplementary services

Table A.7: CLIP service

Item	Service	Reference	Status	Support	
	ISDN				
1	CLIP	ETS 300 092-1	0		
	GSM				
2	The called user is provided with CLIP	EN 300 940	0		
		EN 300 951			

Table A.8: CLIR service

Item	Service	Reference	Status	Support	
	ISDN				
1	Calling line identification restriction (CLIR)	ETS 300 093-1	0		
	GSM				
2	The called user is provided with CLIP	EN 300 940	0		
		EN 300 951			

Table A.9: COLP service

Item	Service	Reference	Status	Support
	ISDN			
1	Calling user is provided with COLP	EN 300 403-1 ETS 300 097-1	0	
	GSM			
2	Connected Line Identification Presentation (COLP)	EN 300 940 EN 300 951	0	

Table A.10: COLR service

Item	Service	Reference	Status	Support
	ISDN			
1	The calling user is provided with COLP	EN 300 403-1	0	
		ETS 300 097-1		
	GSM			
2	Connected Line Identification Restriction (COLR)	EN 300 940	0	
		EN 300 951		

Table A.11: CUG service

Item	Service	Reference	Status	Support
	ISDN			
1	CUG	ETS 300 138-1	0	
	GSM	•		
2	CUG	TS 100 569	0	
3	CUG supporting options are: not OA, not OCB, not Pref. CUG for ISDN user and calling and called user have the same CUG, and CUG supporting options of GSM user are IA and not ICB		0	
4	CUG supporting options are: not OA, not OCB, not Pref. CUG for ISDN user and calling and called user have the same CUG, and CUG supporting options of GSM user are not IA and not ICB		0	
5	CUG supporting options are: not OA, not OCB, not Pref. CUG for ISDN user and called user is not a member of CUG		0	
6	CUG supporting options are: OA, not OCB, not Pref. CUG for ISDN user and calling and called user have the same CUG, and CUG supporting options of GSM user are IA and ICB		0	
7	CUG supporting options are: OA, not OCB, not Pref. CUG for ISDN user and calling and called user have the same CUG, and CUG supporting options of GSM user are IA and not ICB		0	
8	CUG supporting options are: OA, not OCB, not Pref. CUG for ISDN user and calling and called user have the same CUG, and CUG supporting options of GSM user are not IA and ICB		0	
9	CUG supporting options are: OA, not OCB, not Pref. CUG for ISDN user and called user is not a member of CUG		0	
10	Calling user is not member of CUG s and called user has CUG with not IA and not ICB		0	

Table A.12: SUB service

Item	Service	Reference	Status	Support
	ISDN			
1	Subaddressing (SUB)	EN 300 403-1	0	
	GSM			
2	SUB where the called served user is provided with SUB	EN 300 940	0	

Table A.13: CF services

Item	Service	Reference	Status	Support
	ISDN			
1	Call to a forwarding subscriber	EN 300 403-1	0	
	GSM			
2	CF where user A is in network N1 and user B and C are in network N2	EN 300 952	0	

Please specify configuration: (if other than A and C in Originating network, B in Destination Network)

Table A.14: CFU service

Item	Service	Reference	Status	Support
	ISDN			
1	Call to a forwarding subscriber (CFU)	EN 300 403-1	0	
	GSM			
2	CFU - calling user is not notified of call diversion	EN 300 952	0.5	
3	CFU - calling user is notified of call diversion		0.6	
	pecify configuration: than A and C in Originating network, B in Destination N	etwork)		
0.5	It is mandatory to support at least one of these option	าร		
0.6	It is mandatory to support at least one of these option	ns		

Table A.15: CFB service

Item	Service	Reference	Status	Support
	ISDN			
1	Call to a forwarding subscriber (CFB)	EN 300 403-1	0	
	GSM			
2	CFB where user B is provided with CBFNDUB and	EN 300 952	0.7	
	calling user is not notified of call diversion and there is			
	no notification to forwarding subscriber			
3	CFB where user B is provided with CBFNDUB and		0.8	
	calling user is notified of call diversion and there is			
	notification to forwarding subscriber			
4	CFB where calling user is not notified of call diversion		0.9	
5	CFB; Calling user is notified of call diversion		0.10	
Please sp	ecify configuration:			
(if other th	nan A and C in Originating network, B in Destination Netw	ork)		
0.7	It is mandatory to support at least one of these options			
0.8	It is mandatory to support at least one of these options			
0.9	It is mandatory to support at least one of these options			
o.10	It is mandatory to support at least one of these options			

Table A.16: CFNRy service

Item	Service	Reference	Status	Support	
	ISDN				
1	Call to a forwarding subscriber (CFNRy)	EN 300 403-1	0		
	GSM				
2	CFNRy - user B is provided with CFNRy and calling user is not notified of call diversion and there is no notification to forwarding subscriber	EN 300 952	0.11		
3	CFNRy - user B is provided with CFNRy and calling user is notified of call diversion and there is notification to forwarding subscriber		0.12		
Please s	pecify configuration:				
(if other than A and C in Originating network, B in Destination Network)					
o.11	It is mandatory to support at least one of these options				
o.12	It is mandatory to support at least one of these options				

Table A.17: CFNRc service

Item	Service	Reference	Status	Support
	ISDN			
1	Call to forwarding subscriber (CFNRc)	EN 300 403-1	0	
	GSM			
2	CFNRc - User B is provided with CFNRc and calling user is not notified of call diversion	EN 300 952	0.13	
3	CFNRc - User B is provided with CFNRc and calling user is notified of call diversion		0.14	
Please s	pecify configuration:			
	rhan Á and Č in Originating network, B in Destination Net	work)		
o.13	It is mandatory to support at least one of these options			
o.14	It is mandatory to support at least one of these options			

Table A.18: HOLD service

Item	Service	Reference	Status	Support
	ISDN			
1	Call hold (HOLD)	EN 300 403-1 ETS 300 141-1 ETS 300 196-1	0	
	GSM			
2	Call hold (HOLD)	EN 300 953	0	

Table A.19: CW service

Item	Service	Reference	Status	Support
	ISDN			
1	Call waiting (CW)	ETS 300 058-1 EN 300 403-1	0	
	GSM			
2	The called user is provided with CW	EN 300 953	0	

Table A.20.: ECT service

Item	Service	Reference	Status	Support
	ISDN			
1	ECT	ETS 300 369-1	0	

Table A.21: UUS1i service

Item	Service	Reference	Status	Support
	ISDN			
1	User-user signalling (UUS) service 1 implicitly requested	ETS 300 286-1	0	
	GSM			
2	User-user signalling (UUS) service 1 implicitly requested	EN 300 940	0	

Table A.22: UUS1e service

Item	Service	Reference	Status	Support
	ISDN			
1	User-user signalling (UUS) service 1 explicitly requested	ETS 300 286-1	0	
	GSM			
2	User-user signalling (UUS) service 1 explicitly requested	ETS 300 646-1	0	

Table A.23 UUS2 service

Item	Service	Reference	Status	Support
	ISDN			
1	User-user signalling (UUS) 2 service	ETS 300 286-1	0	
	GSM			
2	User-user signalling (UUS) 2 service	ETS 300 646-1	0	
		TS 124 087		

Table A.24: UUS3 service

Item	Service	Reference	Status	Support
	ISDN			
1	User-user signalling (UUS) 3 service	ETS 300 286-1	0	
	GSM			
2	User-user signalling (UUS) 3 service	ETS 300 646-1	0	
		TS 124 087		

Table A.25: Interaction CFU/CLIP/COLP

Item	Service	Reference	Status	Support
	Configuration			
1.1	Interaction CFU/CLIP/COLP		0	
1.2	User A is provided with CLIP and COLP, and User B is provided with CFU and calling user is not notified of call diversion and User C is provided with CLIP	EN 300 951 EN 300 952 ETS 300 092-1 ETS 300 097-1	o.15	
1.3	User A is provided with CLIP and COLP, User C is provided with CLIP and User B is provided with CFU and calling user is not notified of call diversion		o.16	
1.4	User A is provided with CLIP and COLP, User C is provided with CLIP and User B is provided with CFU and calling user is notified of call diversion		o.17	
1.5	User A is provided with CLIP and COLP, User C is provided with CLIP and User B is provided with CFU and calling user is notified of call diversion and CLIP		o.18	
1.6	User A is provided with CLIP and COLP, user C is provided with COLR and CLIP and user B is provided with CFU and calling user is notified of call diversion and CLIP		o.19	
o.15	It is mandatory to support at least one of these options			
o.16	It is mandatory to support at least one of these options			
0.17	It is mandatory to support at least one of these options			
0.18	It is mandatory to support at least one of these options			
o.19	It is mandatory to support at least one of these options			

Table A.26: Interaction CFB/CLIP/COLP

Item	Service	Reference	Status	Support
	Configuration	1	•	
1.1	Interaction CFB/CLIP/COLP		0	
1.2	User A is provided with CLIP and COLP, User C is provided with CLIP and User B is provided with CFBUDUB and calling user is notified of call diversion and there is notification to forwarding subscriber	EN 300 951 EN 300 952 ETS 300 092-1 ETS 300 097-1	0.20	
1.3	User A is provided with CLIP and COLP, User C is provided with CLIP and User B is provided with CFBUDUB and calling user is not notified of call diversion and there is no notification to forwarding subscriber and CLIR		0.21	
1.4	User A is provided with CLIP and COLP, User C is provided with CLIP and User B is provided with CFBUDUB and calling user is not notified of call diversion and CLIR		0.22	
1.5	User A is provided with CLIP and COLP, User C is provided with CLIP and User B is provided with CFBUDUB and calling user is notified of call diversion and CLIP		0.23	
1.6	User A is provided with CLIR and COLP, and User B is provided with CFU and calling user is notified of call diversion, User C is provided with COLR and CLIP		0.24	
1.7	User A is provided with CLIP and COLP, user C is provided with CLIP and user B is provided with CFBNDUB and calling user is not notified of call diversion and there is no notification to forwarding subscriber		0.25	
1.8	User A is provided with CLIR and COLP, user C is provided with COLR and CLIP and user B is provided with CFBNDUB and calling user is notified of call diversion and there is notification to forwarding subscriber		0.26	
1.9	User A is provided with CLIP and COLP, user C is provided with COLR and CLIP and user B is provided with CFBUDUB and calling user is notified of call diversion and CLIP		0.27	
0.20 0.21 0.22 0.23 0.24 0.25 0.26 0.27	It is mandatory to support at least one of these options. It is mandatory to support at least one of these options. It is mandatory to support at least one of these options. It is mandatory to support at least one of these options. It is mandatory to support at least one of these options. It is mandatory to support at least one of these options. It is mandatory to support at least one of these options. It is mandatory to support at least one of these options. It is mandatory to support at least one of these options.			

Table A.27: Interaction CFNRy/CLIP/COLP

Item	Service	Reference	Status	Support
	Configuration			
1.1	Interaction CFNRy/CLIP/COLP		0	
1.2	User A is provided with CLIR and COLP, user C is provided with COLR and CLIP and user B is provided with CFNRy and calling user is notified of call diversion and there is notification to forwarding subscriber	EN 300 951 EN 300 952 ETS 300 092-1 ETS 300 097-1	0.28	
1.3	User A is provided with COLP, user C is provided with CLIP and user B is provided with CFNRy and calling user is notified of call diversion and there is notification to forwarding subscriber		0.29	
o.28	It is mandatory to support at least one of these options			
o.29	It is mandatory to support at least one of these options			

Table A.28: Interaction CFNRc/CLIP/COLP

Item	Service	Reference	Status	Support
	Configuration			
1.1	Configuration ISDN-GSM		0	
1.2	Interaction CFNRc/CLIP/COLP	EN 300 951 EN 300 952 ETS 300 092-1 ETS 300 097-1	0	
1.3	User A is provided with CLIP and COLP, User C is provided with CLIP and User B is provided with CFNRc and calling user is notified of call diversion		0.30	
1.4	User A is provided with CLIP and COLP, User C is provided with CLIP and User B is provided with CFNRc and calling user is not notified of call diversion and CLIR		0.31	
1.5	User A is provided with CLIP and COLP, user C is provided with COLR and CLIP and user B is provided with CFU and calling user is notified of call diversion and CLIP		0.32	
o.30 o.31 o.32	It is mandatory to support at least one of these options It is mandatory to support at least one of these options It is mandatory to support at least one of these options			

A.4.2.1 Non-symmetrical tests

Table A.29: TP service

Item	Service	Reference	Status	Support
	ISDN			
1	Terminal portability (TP)	ETS 300 055-1	c.1	
c.1:	Precondition: must be a basic access			

A.5 Interworking PSTN-GSM

A.5.1 Basic call

When performing network integration testing between PSTN and GSM users, the following tables related to the implemented interworking capabilities should be filled in.

Table A.30: PSTN-GSM interworking capabilities, basic call

Item	Service	Reference	Status	Support
	PSTN			
1	Call establishment to a GSM user	ETS 300 001	0	
	GSM			
2	Multi Numbering Scheme and TS11	EN 300 940	0	

A.5.2 Interworking PSTN-GSM -Supplementary services

Table A.31: CLIP service

Item	Service	Reference	Status	Support
	PSTN			
1	Call to a GSM user	ETS 300 001	0	
	GSM			
2	The called user is provided with CLIP	EN 300 940 EN 300 951	0	

Table A.32: CLIR service

Item	Service	Reference	Status	Support	
	PSTN				
1	The calling user is provided with CLIR subscription	ETS 300 001 ETS 300 093-1	0		
	GSM				
2	The called user is provided with CLIP	EN 300 951	0		

Table A.33: CUG service

Item	Service	Reference	Status	Support
	PSTN			
1	Closed user group (Calling user is not member of a CUG)	ETS 300 001	0	
	GSM			
2	CUG incoming access "not allowed"	TS 100 569	0	

Table A.34: CFU service

Item	Service	Reference	Status	Support
1	Configuration PSTN-GSM			
	PSTN			
2	Call to a forwarding subscriber (CFU)	ETS 300 001	0	
	GSM			
3	Call forwarding unconditional (CFU)	EN 300 952	0	
	pecify configuration:	stion Noticeals)		

Table A.35: CFB service

Item	Service	Reference	Status	Support
1	Configuration PSTN-GSM		•	
	PSTN			
2	Call to a forwarding subscriber (CFB)	ETS 300 001	0	
	GSM		•	
3	CFB- Called user with CFBUDUB	EN 300 952	0.33	
4	CFB - Called user with CFBNDUB and notification to forwarding subscriber		0.34	
5	CFB - Called user with CFBNDUB and no notification to forwarding subscriber		0.35	
Please s	pecify configuration:			
(if other t	han A and C in Originating network, B in Destination Net	work)		
o.33:	It is mandatory to support at least one of these options			
o.34:	It is mandatory to support at least one of these options			
o.35:	It is mandatory to support at least one of these options			

Table A.36: CFNRy service

Item	Service	Reference	Status	Support		
1	Configuration PSTN-GSM					
	PSTN					
2	Call to a forwarding subscriber (CFNRy)	ETS 300 001	0			
	GSM		•			
3	CFNRy with notification to forwarding subscriber	EN 300 952	0.36			
4	CFNRy with no notification to forwarding subscriber		0.37			
	Please specify configuration: (if other than A and C in Originating network, B in Destination Network)					
0.36:	It is mandatory to support at least one of these options					
o.37:	It is mandatory to support at least one of these options	3				

Table A.37: CFNRc service

Item	Service	Reference	Status	Support
1	Configuration PSTN-GSM			
	PSTN			
2	Call to forwarding subscriber (CFNRc)	ETS 300 001	0	
	GSM			
3	CFNRc with notification to forwarding subscriber	EN 300 952	0	
	pecify configuration: than A and C in Originating network, B in Destination N	lotwork)		
(II Other	than A and C in Originating network, B in Destination N	letwork)		
Ī				

A.5.2.1 Non-symmetrical tests

Table A.38: Call barring service

Item	Service	Reference	Status	Support
	GSM			
1	The Network B supports barring of all incoming calls (BAIC) and barring of incoming calls when roaming outside the home GSM country (BIC-Roam). The MS is roaming outside the home GSM country.	TS 100 956	0	

Table A.39: Multiparty service

Item	Service	Reference	Status	Support
	GSM			
1	MPTY	EN 300 954	0	

A.6 GSM-ISDN Interworking

A.6.1 Basic call

Table A.40: Teleservice 11

Item	Service	Reference	Status	Support
	GSM			
1	Teleservice 11	EN 300 940 TS 100 976	0	
	ISDN			
2	Services based on bearer capability speech	EN 300 403-1	0	

Table A.41: Teleservice 12

Item	Service	Reference	Status	Support
	GSM			
1	Teleservice 12	EN 300 940 TS 100 976	0	
	ISDN			
2	Services based on bearer capability speech	EN 300 403-1	0	

Table A.42: Information transfer 3,1 kHz audio, ex PLMN

Item	Service	Reference	Status	Support	
	GSM				
1	Audio	EN 300 940	0		
	ISDN				
2	Bearer service 3,1kHz audio	EN 300 403-1	0		

Table A.43: User rates for 3,1 kHz/GSM-ISDN

Item	Service	Reference	Status	Support
	GSM			
1	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s	EN 300 940	0	
2	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s		0	
3	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s		0	
4	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s		0	
5	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s		0	
6	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s		0	
7	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s		0	
8	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s		0	
9	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s		0	

Table A.44: Information transfer unrestricted digital information

Item	Service	Reference	Status	Support
	GSM			
1	UDI	EN 300 940	0	
	ISDN			
2	Bearer service UDI	EN 300 403-1	0	

Table A.45 User rates for UDI/GSM-ISDN

Item	Service	Reference	Status	Support
	GSM			
1	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s	EN 300 940	0	
2	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s		0	
3	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s		0	
4	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s		0	
5	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s		0	
6	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s		0	
7	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s		0	
8	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s		0	
9	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s		0	

Table A.46: Teleservice 62/Automatic Facsimile G3

Item	Service	Reference	Status	Support
	GSM			
1	Teleservice 62 / Automatic Facsimile G3	EN 300 940 TS 100 976	0	
	ISDN			
2	Telefax G3 terminals	EN 300 403-1	0	

Table A.47: Teleservice 61/Alternate speech and facsimile group 3

Item	Service	Reference	Status	Support
	GSM			
1	Teleservice 61	EN 300 940 TS 100 976	0	
	ISDN			
2	Bearer service 3,1 kHz audio	EN 300 403-1	0	

Table A.48: Bearer service 81/Speech followed by data

Item	Service	Reference	Status	Support
	GSM			
1	Bearer service 81 / Speech followed by data	EN 300 940	0	
		TS 100 976		
		TS 100 913		
	ISDN			
2	Bearer service 3,1 kHz audio	EN 300 403-1	0	

A.6.2 GSM-ISDN Interworking - Supplementary services

Table A.49: CLIP service

Item	Service	Reference	Status	Support
	GSM			
1	The calling user is provided with CLIP	EN 300 940 EN 300 951	0	
	ISDN			
2	The called user is provided with CLIP	ETS 300 092-1	0	

Table A.50: CLIR service

Item	Service	Reference	Status	Support
	GSM			
1	CLIR	EN 300 940	0	
		EN 300 951		
	ISDN			
2	The called user is provided with CLIP	ETS 300 092-1	0	
		ETS 300 093-1		

Table A.51: COLP service

Item	Service	Reference	Status	Support
	GSM			
1	Calling user is provided with COLP	EN 300 940 EN 300 951	0	
	ISDN	·		
2	COLP	ETS 300 097-1	0	

Table A.52: COLR service

Item	Service	Reference	Status	Support
	GSM			
1	The calling user is provided with COLP	EN 300 940	0	
	ISDN	·		
2	COLR	EN 300 403-1	0	
		ETS 300 098-1		

Table A.53: CUG service

Item	Service	Reference	Status	Support
	GSM			
1	CUG supporting options are not OA, not OCB, not Pref. CUG. Calling and called user have the same CUG, and CUG supporting options of ISDN user are IA and not ICB	TS 100 569	0	
2	CUG supporting options are not OA, not OCB, not Pref. CUG. Calling and called user have the same CUG, and CUG supporting options of ISDN user are not IA and not ICB		0	
3	CUG supporting options are OA, not OCB, not Pref. CUG. Calling and called user have the same CUG, and CUG supporting options of ISDN user are IA and not ICB		0	
4	CUG supporting options are OA, not OCB, not Pref. CUG. Calling and called user have the same CUG, and CUG supporting options of ISDN user are IA and ICB		0	
5	CUG supporting options are OA, not OCB, not Pref. CUG. Calling and called user have the same CUG, and CUG supporting options of ISDN user are not IA and ICB		0	
6	CUG supporting options are OA, not OCB, not Pref. CUG for GSM user and called user is not a CUG subscriber		0	
7	CUG supporting options are not OA, not OCB, not Pref. CUG for GSM user and called user is not a CUG subscriber		0	
8	Calling user is not a CUG subscriber and called user CUG supporting options are not IA and not ICB		0	
	ISDN	I==0 000 100 1	1	T
2	CUG	ETS 300 138-1	0	

Table A.54: SUB service

Item	Service	Reference	Status	Support
	GSM			
1	Subaddressing (SUB)	EN 300 940	0	
	ISDN			
2	Subaddressing (SUB)	EN 300 403-1	0	

Table A.55: HOLD service

Item	Service	Reference	Status	Support
	GSM			
1	Call hold (HOLD)	EN 300 940 EN 300 953	0	
	ISDN			
2	Call hold (HOLD)	EN 300 403-1 ETS 300 141-1	0	

Table A.56: CW service

Item	Service	Reference	Status	Support
	GSM			
1	Call waiting (CW)	EN 300 940	0	
		EN 300 953		
	ISDN			
2	Call waiting	EN 300 403-1	0	
		ETS 300 058-1		

Table A.57: UUS1

Item	Service	Reference	Status	Support	
	GSM				
1	User-user signalling (UUS) service	EN 300 940	0		
	ISDN				
2	User-user signalling (UUS) service	EN 300 403-1	0		

Table A.58: ECT service

Item	Service	Reference	Status	Support
	ISDN			
1	ECT	ETS 300 369-1	0	

Table A.59: CFU Configuration - GSM-ISDN

Item	Service	Reference	Status	Support
	Configuration			
1.1	Configuration GSM-ISDN		0	
1.2	CFU; User B is in network N2 and is provided with CFU and calling user is notified of call diversion and there is notification to forwarding subscriber and with diverted-to number	ETS 300 207-1 EN 300 952 TS 100 543	0.38	
1.3	CFU; User B is in network N2 and is provided with CFU and calling user is not notified of call diversion and there is no notification to forwarding subscriber and without diverted-to number		0.39	
o.38 o.39	It is mandatory to support at least one of these options It is mandatory to support at least one of these options			

Table A.60: CFB - Configuration GSM-ISDN

Item	Service	Reference	Status	Support
	Configuration			
1.1	Configuration GSM-ISDN		0	
1.2	CFB; User B is in network N2 and is provided with CFBNDUB and calling user is notified of call diversion and there is notification to forwarding subscriber and with diverted to number	ETS 300 207-1 ETS 300 092-1 EN 300 951	0.40	
1.3	CFB; User B is in network N2 and is provided with CFBNDUB and calling user is not notified of call diversion and there is no notification to forwarding subscriber and without diverted-to number		0.41	
1.4	User B is in network N2 and is provided with CFBUDUB and calling user is notified of call diversion and there is notification to forwarding subscriber and with diverted-to number		0.42	
1.5	User B is in network N2 and is provided with CFBUDUB and calling user is not notified of call diversion and there is no notification to forwarding subscriber and without diverted-to number		0.43	
o.40	It is mandatory to support at least one of these options			
0.41	It is mandatory to support at least one of these options			
o.42 o.43	It is mandatory to support at least one of these options It is mandatory to support at least one of these options			

Table A.61: CFNR - Configuration GSM-ISDN

Item	Service	Reference	Status	Support
	Configuration			
1.1	Configuration GSM-ISDN		0	
1.2	CFNR; User B is in network N2 and is provided with CFNR option A (late release) and calling user is notified of call diversion and with diverted-to number	ETS 300 207-1 ETS 300 092-1 EN 300 951	0.44	
1.3	CFNR; User B is in network N2 and is provided with CFNR option A (late release) and calling user is not notified of call diversion and without diverted-to number		0.45	
o.44 o.45	It is mandatory to support at least one of these options It is mandatory to support at least one of these options			

A.6.2.1 Non-symmetrical tests

Table A.62: TP service

Item	Service	Reference	Status	Support
	ISDN			
1	Terminal portability (TP)	ETS 300 055-1	c.2	
c.2:	Precondition: must be a basic rate interface access			

Table A.63: MPTY service

Item	Service	Reference	Status	Support
	GSM			
1	MPTY	EN 300 954	0	

A.7 GSM- PSTN interworking

When performing network integration testing between GSM and PSTN users, the following tables related to the implemented interworking capabilities should be filled in.

A.7.1 Basic call

Table A.64: GSM - PSTN interworking capabilities, basic call

Item	Service	Reference	Status	Support
	GSM			
1	call establishment using information transfer speech (TS11) to a PSTN user	EN 300 940	0	
2	call establishment using the information transfer 3,1 kHz ex GSM to a PSTN user		0	
3	call establishment using Teleservice 62 / Automatic Facsimile group 3		0	
4	call establishment using Teleservice 61 / Alternate speech and facsimile group 3		0	
5	call establishment using Emergency calls		0	

A.7.2 GSM-PSTN Interworking - Supplementary services

Table A.65: CLIP service

Item	Service	Reference	Status	Support	
	GSM				
1	Basic call to a user provided with CLIP Service	EN 300 940	0		
	PSTN				
2	The called user is provided with CLIP	ETS 300 648	0		

Table A.66: CLIR service

Item	Service	Reference	Status	Support
	GSM			
1	Calling user is provided with CLIR	EN 300 940 EN 300 951	0	
	PSTN			
2	The called user is provided with CLIP	ETS 300 648	0	

Table A.67: COLP service

Item	Service	Reference	Status	Support
	GSM			
1	COLP; Calling user is provided with COLP	EN 300 940	0	
		EN 300 951		
	PSTN			
2	COLP	Network	0	
		operator specific		

Table A.68: CUG service

Item	Service	Reference	Status	Support			
	GSM						
1	CUG service	TS 100 569	0				
2	CUG with outgoing access "allowed"		0.46				
3	CUG outgoing access not "allowed"		0.47				
PSTN							
4	The called user is not member of CUG	ETS 300 001	0				
0.46	It is mandatory to support at least one of these options.						
o.47	It is mandatory to support at least one of these options.						

Table A.69: CFU service

Item	Service	Reference	Status	Support			
1	Configuration GSM-PSTN						
	GSM						
2	CFU; User B is in network N2 and is provided with CFU and calling user is notified of call diversion and with diverted-to number	EN 300 940	0.48				
3	CFU; User B is in network N2 and is provided with CFU and calling user is not notified of call diversion and without diverted-to number		o.49				
PSTN							
4	Call forwarding unconditional (CFU)	Network operator specific	0				
Please specify configuration:							
(if other than A and C in Originating network, B in Destination Network)							
o.48	It is mandatory to support at least one of these options.						
o.49	It is mandatory to support at least one of these options						

Table A.70: CFB service

Item	Service	Reference	Status	Support			
1	Configuration GSM-PSTN						
GSM							
2	CFB; User B is in network N2 and is provided with CFB and calling user is notified of call diversion and with diverted-to number	EN 300 940	0.50				
3	CFB; User B is in network N2 and is provided with CFB and calling user is not notified of call diversion and without diverted-to number		o.51				
	PSTN						
4	Call forwarding busy (CFB)	Network operator specific	0				
Please specify configuration:							
(if other than A and C in Originating network, B in Destination Network)							
o.50	It is mandatory to support at least one of these options.						
0.51	It is mandatory to support at least one of these options.						

Table A.71: CFNR service

Item	Service	Reference	Status	Support
1	Configuration GSM-PSTN			
	GSM			
2	CFNR - User B is in network N2 and is provided with CFNR and calling user is notified of call diversion and with diverted-to number	EN 300 940	0.52	
3	CFNR - User B is in network N2 and is provided with CFNR and calling user is not notified of call diversion and without diverted-to number		0.53	
	PSTN			
4	Call forwarding on no reply (CFNR)	Network operator specific	0	
Please sp	pecify configuration:			
(if other th	nan and Ĉ in Originating network, B in Destination Netv	vork)		
o.52 o.53	It is mandatory to support at least one of these options. It is mandatory to support at least one of these options.			

A.7.2.1 Non-symmetrical tests

Table A.72: MPTY

Item	Service	Reference	Status	Support
	GSM			
1	MPTY	EN 300 954	0	

A.8 GSM-GSM Interworking

A.8.1 Basic call

Table A.73: Teleservice 11

Item	Service	Reference	Status	Support
	GSM			
1	TS11 for user originated call	EN 300 940	0	

Table A.74: Information transfer 3,1 kHz audio, ex PLMN

Item	Service	Reference	Status	Support
	GSM			
1	Audio	EN 300 940	0	

Table A.75: User rates for 3,1 kHz ex PLMN GSM/GSM

Item	Service	Reference	Status	Support
	GSM			
1	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s	EN 300 940	0	
2	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4 kbit/s G_USER_RATE: 2,4 kbit/s		0	
3	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s		0	
4	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s		0	
5	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s		0	
6	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s		0	
7	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4 kbit/s G_USER_RATE: 2,4 kbit/s	EN 300 940	0	
8	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s		0	
9	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s		0	

Table A.76: Information transfer unrestricted digital information

Item	Service	Reference	Status	Support
	GSM			
1	UDI	EN 300 940 TS 100 976	0	

Table A.77: User rates for UDI - GSM/GSM

Item	Service	Reference	Status	Support
	GSM			
1	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s	EN 300 940	0	
2	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4 kbit/s G_USER_RATE: 2,4 kbit/s		0	
3	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s		0	
4	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s		0	
5	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s		0	
6	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s		0	
7	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4 kbit/s G_USER_RATE: 2,4 kbit/s		0	
8	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s		0	
9	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s		0	

Table A.78: Teleservice 62/Automatic Facsimile G3

Item	Service	Reference	Status	Support
	GSM			
1	TS 62	EN 300 940	0	
2	With TS62 for user originated call		0	
3	TS62 for user originated call and TS11 for user		0	
	terminated call			

Table A.79: Teleservice 61

Item	Service	Reference	Status	Support
	GSM			
1	Teleservice 61	EN 300 940	0	
2	TS61 where user A and user B are in the same PLMN and user B is roaming in a VPLMN		0	
3	TS61 and single numbering scheme		0	

Table A.80: BS 61

Item	Service	Reference	Status	Support
	GSM			
1	BS 61	EN 300 940	0	
2	BS 61 and single numbering scheme		0	
3	BS 61 where user A and user B are in the same PLMN and user B is roaming in a VPLMN		0	
4	BS61 Asynchronous and BS22		0	
5	BS61 Asynchronous and single numbering scheme and BS22		0	
6	BS61 where user A and user B are in the same PLMN and user B is roaming in a VPLMN, asynchronous mode and BS22		0	

Table A.81: Bearer service 81/Speech followed by data

Item	Service	Reference	Status	Support
	GSM			
1	BS81	EN 300 940	0	
2	BS81 and single numbering scheme		0	
3	BS81; User A and user B are in the same PLMN and		0	
	user B is roaming in a VPLMN			
4	BS81 Async and BS22		0	
5	BS81; User A and user B are in the same PLMN and		0	
	user B is roaming in a VPLMN, asynchronous mode			
	and BS22			

Table A.82: Short message service

Ite	em	Service	Reference	Status	Support
		GSM			
1	1	Short message service	ETS 300 559	0	

A.8.2 GSM-GSM Interworking - Supplementary services

Table A.83: CLIP service

Item	Service	Reference	Status	Support
	GSM - Origination			
1	The calling user is provided with CLIP	EN 300 940	0	
		EN 300 951		
	GSM - Destination			
2	The called user is provided with CLIP	EN 300 940	0	
		EN 300 952		

Table A.84: CLIR service

Item	Service	Reference	Status	Support
	GSM-Origination			
1	The calling user is provided with CLIR	EN 300 940	0	
		EN 300 951		
	GSM-Destination			
2	The called user is provided with CLIP	EN 300 940	0	
		EN 300 952		

Table A.85: COLP service

Item	Service	Reference	Status	Support
	GSM - Origination			
1	Calling user is provided with COLP	EN 300 940	0	
		EN 300 951		
	GSM - Destination			
2	Connected line identification presentation (COLP)	EN 300 940	0	
		EN 300 952		
Please s	pecify any national deviations, e.g. activation procedure	э:		

Table A.86: COLR service

Item	Service	Reference	Status	Support
	GSM - Origination			
1	The calling user is provided with COLP	EN 300 940 EN 300 951	0	
	GSM - Destination			
2	Connected line identification restriction (COLR)	EN 300 940 EN 300 952	0	

Table A.87: CUG service

Item	Service	Reference	Status	Support
	GSM			
1	CUG supporting options are not OA, not OCB, not Pref. CUG. Calling and called user have the same CUG, and CUG supporting options of GSM user are IA and not ICB	TS 100 569	0	
2	CUG supporting options are not OA, not OCB, not Pref. CUG. Calling and called user have the same CUG, and CUG supporting options of GSM user are not IA and not ICB		0	
3	CUG supporting options are OA, not OCB, not Pref. CUG. Calling and called user have the same CUG, and CUG supporting options of called user are IA and not ICB		0	
4	CUG supporting options are OA, not OCB, not Pref. CUG. Calling and called user have the same CUG, and CUG supporting options of called user are IA and ICB		0	
5	CUG supporting options are OA, not OCB, not Pref. CUG. Calling and called user have the same CUG, and CUG supporting options of called user are not IA and ICB		0	
6	CUG supporting options are OA, not OCB, not Pref. CUG for calling user and called user is not a CUG subscriber		0	
7	CUG supporting options are not OA, not OCB, not Pref. CUG for calling user and called user is not a CUG subscriber		0	
8	Calling user is not a CUG subscriber and CUG supporting options of called user are not IA and not ICB		0	
9	CUG supporting options are not OA, not OCB, not Pref. CUG for calling user and calling and called user have the same CUG, and CUG supporting options of GSM user are IA and not ICB where user A and user B are in the same PLMN and user B is roaming in a VPLMN		O	

Item	Service	Reference	Status	Support
	GSM		T	
10	CUG supporting options are not OA, not OCB, not	TS 100 569	О	
	Pref. CUG for calling user and calling and called user			
	have the same CUG, and CUG supporting options of called user are not IA and not ICB where user A and			
	user B are in the same PLMN and user B is roaming in			
	a VPLMN			
11	CUG supporting options are OA, not OCB, not Pref.		0	
	CUG for calling user and calling and called user have			
	the same CUG, and CUG supporting options of called			
	user are IA and not ICB where user A and user B are			
40	in the same PLMN and user B is roaming in a VPLMN	-	_	
12	CUG supporting options are OA, not OCB, not Pref. CUG for calling user and calling and called user have		0	
	the same CUG, and CUG supporting options of called			
	user are not IA and ICB where user A and user B are			
	in the same PLMN and user B is roaming in a VPLMN			
13	CUG supporting options are OA, not OCB, not Pref.		0	
	CUG for calling user and calling and called user have			
	the same CUG, and CUG supporting options of called			
	user are IA and ICB where user A and user B are in			
14	the same PLMN and user B is roaming in a VPLMN CUG supporting options are not OA, not OCB, not	-		
14	Pref. CUG. Calling and called user have the same		0	
	CUG, and CUG supporting options of GSM user are IA			
	and not ICB where user A and user B are in the same			
	PLMN and user B is roaming in a VPLMN			
15	CUG supporting options are not OA, not OCB, not		0	
	Pref. CUG for calling user, user A is roaming in a			
	VPLMN and calling and called user have the same			
	CUG, and CUG supporting options of GSM user are IA			
	and not ICB where user A and user B are in the same			
	PLMN and user B is roaming in the same VPLMN as user A			
16	CUG supporting options are OA, not OCB, not Pref.	TS 100 569	0	
	CUG for calling user, user A is roaming in a VPLMN	10 100 000		
	and calling and called user have the same CUG, and			
	CUG supporting options of GSM user are IA and not			
	ICB where user A and user B are in the same PLMN			
	and user B is roaming in the same VPLMN as user A	-		
17	CUG supporting options are OA, not OCB, not Pref.		0	
	CUG for calling user, user A is roaming in a VPLMN and calling and called user have the same CUG, and			
	CUG supporting options of GSM user are not IA and			
	ICB where user A and user B are in the same PLMN			
	and user B is roaming in the same VPLMN as user A			
18	CUG supporting options are OA, not OCB, not Pref.		0	
	CUG for calling user, user A is roaming in a VPLMN			
	and calling and called user have the same CUG, and			
	CUG supporting options of GSM user are IA and ICB			
	where user A and user B are in the same PLMN and user B is roaming in the same VPLMN as user A			
19	CUG supporting options are OA, not OCB, not Pref.	1	0	
13	CUG for calling user, user A is roaming in a VPLMN			
	and calling and called user have the same CUG, and			
	CUG supporting options of GSM user are not IA and			
	not ICB where user A and user B are in the same			
	PLMN and user B is roaming in the same VPLMN as			
	user A	-		
20	CUG supporting options are OA, not OCB, not Pref.		0	
	CUG for calling user, user A is roaming in a VPLMN and called user is not a CUG subscriber where user A			
	and user B are in the same PLMN and user B is			
	roaming in the same VPLMN as user A			
		1	i .	1

Item	Service	Reference	Status	Support
	GSM			
21	CUG supporting options are not OA, not OCB, not Pref. CUG for calling user, user A is roaming in a VPLMN and called user is not a CUG subscriber where user A and user B are in the same PLMN and user B is roaming in the same VPLMN as user A		0	
22	Calling user is not a CUG subscriber, user A is roaming in a VPLMN and calling and called user have the same CUG, and CUG supporting options of GSM user are not IA and not ICB where user A and user B are in the same PLMN and user B is roaming in the same VPLMN as user A		0	

Table A.88: CUG/CFU interactions

Item	Service	Reference	Status	Support
	GSM			
1	User A belongs to CUG with supporting options not OA, not ocb, not Pref CUG, user B belongs to the same CUG with supporting options not OA, not ocb, not Pref CUG and user B is provided with CFU and has active call forwarding to C which belongs to the same CUG with supporting options not IA, not ICB	TS 100 569	0	
2	User A belongs to CUG with supporting options not OA, not ocb, not Pref CUG, user B belongs to the same CUG with supporting options not OA, not ocb, not Pref CUG and user B is provided with CFU and has active call forwarding to C which is not a CUG subscriber		0	
3	User A belongs to CUG with supporting options not OA, not ocb, not Pref CUG, user B belongs to the same CUG with supporting options OA, not ocb, not Pref CUG and user B is provided with CFU and has active call forwarding to C which is not a CUG subscriber		0	
4	User A belongs to CUG with supporting options OA, not ocb, not Pref CUG, user B belongs to the same CUG with supporting options not OA, not ocb, not Pref CUG and user B is provided with CFU and has active call forwarding to C which is not a CUG subscriber		0	
5	User A belongs to CUG with supporting options OA, not ocb, not Pref CUG, user B belongs to the same CUG with supporting options not OA, not ocb, not Pref CUG and user B is provided with CFU and has active call forwarding to C which belongs to the same CUG		0	

Table A.89: SUB service

Item	Service	Reference	Status	Support
	GSM			
1	Subaddressing (SUB)	EN 300 940	0	

Table A.90: CFU service

Item	Service	Reference	Status	Support
	GSM			
1	User A and C are in network N1 and user B is in	EN 300 940	0	
	network N2 and is provided with CFU and calling user	EN 300 952		
	is notified of call diversion			
2	User A and C are in network N1 and user B is in		0	
	network N2 and is provided with CFU and calling user			
	is not notified of call diversion			
Please s	pecify configuration:			
(if other t	than A and C in Originating network, B in Destination Netv	vork)		
		•		

Table A.91: CFB service

Item	Service	Reference	Status	Support	
	GSM				
1	User A and C are in network N1 and user B is in network N2 and is provided with CFBNDUB and calling user is notified of call diversion	EN 300 940 EN 300 952	0.54		
2	User A and C are in network N1 and user B is in network N2 and is provided with CFBNDUB and calling user is not notified of call diversion		0.55		
	Please specify configuration: (if other than A and C in Originating network, B in Destination Network)				
o.54 o.55	It is mandatory to support at least one of these options. It is mandatory to support at least one of these options.				

Table A.92: CFNRy service

Item	Service	Reference	Status	Support
	GSM			
1	User A and C are in network N1 and user B is in network N2 and is provided with CFNRy and calling user is notified of call diversion and there is notification to forwarding subscriber	EN 300 940 EN 300 952	0	
2	User A and C are in network N1 and user B is in network N2 and is provided with CFNRy and calling user is not notified of call diversion and there is no notification to forwarding subscriber		0	
	pecify configuration: than A and C in Originating network, B in Destination Netw	rork)		

Table A.93: CFNRc service

Item	Service	Reference	Status	Support	
	GSM				
1	User A and C are in network N1 and user B is in network N2 and is provided with CFNRc and calling user is notified	EN 300 940 EN 300 952	0.56		
2	User A and C are in network N1 and user B is in network N2 and is provided with CFNRc and calling user is not notified of call diversion		0.57		
	Please specify configuration: (if other than A and C in Originating network, B in Destination Network)				
0.56	It is mandatory to support at least one of these options.				
o.57	It is mandatory to support at least one of these options.				

Table A.94: HOLD service

Item	Service	Reference	Status	Support
	GSM			
1	Call hold (HOLD)	EN 300 940	0	
		EN 300 953		

Table A.95: CW/CFB interactions

Item	Service	Reference	Status	Support
	GSM			
1	User A and C are in network N1 and user B is in network N2 and is provided with CW and CFB and calling user is notified of call diversion	EN 300 940 EN 300 953	0.58	
2	User A and C are in network N1 and user B is in network N2 and is provided with CW and CFB and calling user is not notified of call diversion		0.59	
o.58 o.59	It is mandatory to support at least one of these options It is mandatory to support at least one of these options			

Table A.96: UUS1 service

Item	Service	Reference	Status	Support
	GSM			
1	User-user signalling (UUS) service 1 implicitly requested	EN 300 940	0	

Table A.97: MPTY

Item	Service	Reference	Status	Support
	GSM			
1	MPTY	EN 300 954	0	

Table A.98: Call barring service

Item	Service	Reference	Status	Support
	GSM - Origination			
1	The calling user activates Barring of Outgoing international	TS 100 956	0	
	GSM - Destination			
2	The GSM supports barring of all incoming calls (BAIC).	TS 100 956	0.60	
3	The Network B supports barring of all incoming calls (BAIC) and barring of incoming calls when roaming outside the home GSM country (BIC-Roam). The MS is roaming outside the home GSM country.		0.61	
0.60	It is mandatory to support at least one of these options			
0.61	It is mandatory to support at least one of these options			

Annex B (normative): Partial End-to-end IXIT proforma

Notwithstanding the provisions of the copyright clause related to the text of the present document, ETSI grants that users of the present document may freely reproduce the IXIT proforma in this annex so that it can be used for its intended purposes and may further publish the completed IXIT.

B.1 Instructions for completing the IXIT proforma

Before running the end-to-end test suite each participating public network operator will need to supply information concerning the allocation and availability of suitable test numbers which will be required for setting up international connections.

This clause contains a questionnaire, which shall be completed before performing the end-to-end test suite. Additional information is used by the testing personnel for selecting and for setting the correct parameters on the test equipment.

This questionnaire contains only the information required to perform the tests.

B.2	Identification summary
PIXIT numbe	r:
Date of issue:	
Issued to:	

B.3 Abstract test suite summary

Protocol specification:

ATS specification:

Abstract test method: Remote test method (see ISO/IEC 9646-2)

Annex C: Machine Processable (MP) format of End-to-end ATS

The TTCN MP file corresponding to this ATS is contained in the text-only file detailed below:

MINIT- 53-CH01f.mp

Copies of this file may be obtained from your national Standards Organization (NSO).

Table B.1: IXIT Values

Item	Parameter	Value
1	P_COM_PATTERN_ISDN_GSM	Taluo
[
	Pattern for B-channel check for all ISDN	
	GSM test cases	
2	P_COMM_CHECK_TWICE_ISDN_GSM	
	Check B-channel two times for all ISDN	
	GSM test cases?	
3	P_COMM_CHECK_ISDN_GSM	
	Do B-channel check for all ISDN GSM test	
4	cases? P_COM_PATTERN_PSTN_GSM	
7	I _OOM_I //I I ZKN_I OTN_OOM	
	Pattern for B-channel check for all PSTN	
_	GSM test cases	
5	P_COMM_CHECK_TWICE_PSTN_GSM	
	Check B-channel two times for all PSTN	
	GSM test cases?	
6	P_COMM_CHECK_PSTN_GSM	
	Do B-channel check for all PSTN GSM test	
	cases?	
7	P_COM_PATTERN_GSM_ISDN	
	Pattern for B-channel check for all GSM	
8	ISDN test cases P_COMM_CHECK_TWICE_GSM_ISDN	
	Check B-channel two times for all GSM	
0	ISDN test cases? P_COMM_CHECK_GSM_ISDN	
9	F_CONINI_CHECK_GONI_IODIN	
	Do B-channel check for all GSM ISDN test	
	cases?	
10	P_COM_PATTERN_GSM_PSTN	
	Pattern for B-channel check for all GSM	
	PSTN test cases	
11	P_COMM_CHECK_TWICE_GSM_PSTN	
	Check B-channel two times for all GSM	
	PSTN test cases?	
12	P_COMM_CHECK_GSM_PSTN	
	Do B-channel check for all GSM PSTN test cases?	
13	P_COM_PATTERN_GSM_GSM	
-		
	Pattern for B-channel check for all GSM	
14	GSM test cases P_COMM_CHECK_TWICE_GSM_GSM	
14	F_CONINI_CHECK_TVVICE_GSM_GSM	
	Check B-channel two times for all GSM	
	GSM test cases?	
15	P_COMM_CHECK_GSM_GSM	
	Do B-channel check for all GSM GSM test	
	cases?	
16	P_C_N1_Prefix	
	Notwork N4 international analys	
	Network N1 international prefix	

17 P_G3_IMSLA IMSI of GSM Subscriber A 18 P_G3_IMSLB IMSI of GSM Subscriber B 19 P_G3_IMSL_CUC_B IMSI of CSM Subscriber C 20 P_G3_IMSL_CUC_B IMSI of CUG User B 21 P_G3_IMSL_CUC_D IMSI of CUG User D 22 P_G3_IMSL_D IMSI of GSM Subscriber D 23 P_G3_IMSL_B IMSI of GSM Subscriber D 24 P_G3_IMSL_B IMSI of GSM Subscriber B 25 P_G3_IMSL_B IMSI of GSM Subscriber With multi-numbering scheme 26 P_G3_IMSL_SNS IMSI of GSM subscriber with single-numbering scheme 26 P_G3_IMSL_B IMSI of GSM subscriber A in HPLMN (Type of Number: unknown) 27 P_G3_NUM_B Number of GSM subscriber B in VPLMN (Type of Number: unknown) 28 P_G3_NUM_CUG_C Number of GSM subscriber C in HPLMN (Type of Number: unknown) 29 P_G3_NUM_CUG_B GSM called party number for speech. User B is CUG member (IA, not ICB), (Type of Number: unknown) 30 P_G3_NUM_CUG_C GSM called party number for speech. User C is CUG member (IA, not ICB), (Type of Number: unknown) 31 P_G3_NUM_CUG_B GSM called party number for speech. User C is CUG member (IA, ICB), (Type of Number: unknown) 32 P_G3_NUM_CUG_B GSM called party number for speech. User C is CUG member (IOT IA, ICB), (Type of Number: unknown) 33 P_G3_NUM_CUG_B P_G3_NUM_CUG_B GSM called party number for speech. User E is CUG member (not IA, ICB), (Type of Number: unknown) 34 P_G3_NUM_CUG_B GSM called party number for speech. User E is CUG member (not IA, ICB), (Type of Number: unknown) 35 P_G3_NUM_CUG_B	Item	Parameter	Value
IMSI of GSM Subscriber A 18 P_G3_IMSI_B IMSI of GSM Subscriber B 19 P_G3_IMSI_C IMSI of GSM Subscriber C 20 P_G3_IMSI_CUG_B IMSI of CUG User B 21 P_G3_IMSI_CUG_B IMSI of CUG User D 22 P_G3_IMSI_CUG_B IMSI of GSM Subscriber D 23 P_G3_IMSI_E IMSI of GSM Subscriber D 24 P_G3_IMSI_E IMSI of GSM Subscriber E 24 P_G3_IMSI_MNS IMSI of GSM subscriber with multi-numbering scheme 25 P_G3_IMSI_SNS IMSI of GSM subscriber with single-numbering scheme 26 P_G3_IMMI_A Number of GSM subscriber A in HPLMN (Type of Number: unknown) 27 P_G3_NUM_B Number of GSM subscriber B in VPLMN (Type of Number: unknown) 28 P_G3_NUM_C Number of GSM subscriber C in HPLMN (Type of Number: unknown) 29 P_G3_NUM_CUG_B GSM_called party number for speech. User B is CUG member (IA, 1CB), (Type of Number: unknown) 30 P_G3_NUM_CUG_D GSM_called party number for speech. User C is CUG member (IA, 1CB), (Type of Number: unknown) 31 P_G3_NUM_CUG_D GSM_called party number for speech. User D is CUG member (IA, 1CB), (Type of Number: unknown) 32 P_G3_NUM_CUG_E GSM_called party number for speech. User D is CUG member (IA, 1CB), (Type of Number: unknown) 32 P_G3_NUM_CUG_E GSM_called party number for speech. User D is CUG member (IOI IA, 1OI ICB), (Type of Number: unknown) 33 P_G3_NUM_CUG_E GSM_called party number for speech. User D is CUG member (IOI IA, 1OI ICB), (Type of Number: unknown) 34 P_G3_NUM_CUG_E			
18 P_G3_IMSI_B IMSI of GSM Subscriber B 19 P_G3_IMSI_C IMSI of GSM Subscriber C 20 P_G3_IMSI_CUG_B IMSI of CUG User B 21 P_G3_IMSI_CUG_D IMSI of CUG User D 22 P_G3_IMSI_D IMSI of GSM Subscriber D 23 P_G3_IMSI_E IMSI of GSM Subscriber E 24 P_G3_IMSI_MSI IMSI of GSM Subscriber E 25 P_G3_IMSI_SNS IMSI of GSM subscriber with multi- numbering scheme 26 P_G3_IMSI_MSI IMSI of GSM subscriber with single- numbering scheme 27 P_G3_IMSI_MS IMSI of GSM subscriber A in HPLMN (Type of Number: unknown) 28 P_G3_NUM_B Number of GSM subscriber B in VPLMN (Type of Number: unknown) 29 P_G3_NUM_C Number of GSM subscriber C in HPLMN (Type of Number: unknown) 29 P_G3_NUM_C GSM subscriber C in HPLMN (Type of Number: unknown) 30 P_G3_NUM_CUG_B GSM called party number for speech. User B is CUG member (IA, not ICB), (Type of Number: unknown) 31 P_G3_NUM_CUG_B GSM called party number for speech. User D is CUG member (IA, ICB), (Type of Number: unknown) 32 P_G3_NUM_CUG_B GSM called party number for speech. User D is CUG member (IA, ICB), (Type of Number: unknown) 33 P_G3_NUM_CUG_B CSS_N called party number for speech. User E is CUG member (IA, ICB), (Type of Number: unknown) 34 P_G3_NUM_CUG_B CSS_N called party number for speech. User E is CUG member (IA, ICB), (Type of Number: unknown)			
IMSI of GSM Subscriber B 19 P_G3_IMSI_C IMSI of GSM Subscriber C 20 P_G3_IMSI_CUG_B IMSI of CUG User B 21 P_G3_IMSI_CUG_D IMSI of CUG User D 22 P_G3_IMSI_D IMSI of GSM Subscriber D 23 P_G3_IMSI_D IMSI of GSM Subscriber D 24 P_G3_IMSI_MSI IMSI of GSM Subscriber With multinumbering scheme 25 P_G3_IMSI_SNS IMSI of GSM subscriber with singlenumbering scheme 26 P_G3_IMSI_SNS IMSI of GSM subscriber A in HPLMN (Type of Number: unknown) 27 P_G3_NUM_B Number of GSM subscriber B in VPLMN (Type of Number: unknown) 28 P_G3_NUM_C Number of GSM subscriber C in HPLMN (Type of Number: unknown) 29 P_G3_NUM_CUG_B GSM called party number for speech. User B is CUG member (IA, not ICB), (Type of Number: unknown) 30 P_G3_NUM_CUG_C GSM called party number for speech. User C is CUG member (IA, not ICB), (Type of Number: unknown) 31 P_G3_NUM_CUG_B GSM called party number for speech. User D is CUG member (IA, not ICB), (Type of Number: unknown) 31 P_G3_NUM_CUG_B GSM called party number for speech. User D is CUG member (IA, not ICB), (Type of Number: unknown) 32 P_G3_NUM_CUG_E GSM called party number for speech. User D is CUG member (IA, ICB), (Type of Number: unknown) 33 P_G3_NUM_CUG_E GSM_Called party number for speech. User E is CUG member (IA, ICB), (Type of Number: unknown) 34 P_G3_NUM_CUG_E GSM_Called party number for speech. User E is CUG member (IA, ICB), (Type of Number: unknown) 35 P_G3_NUM_CUG_E			
19 P_G3_IMSI_C IMSI of GSM Subscriber C 20 P_G3_IMSI_CUG_B IMSI of CUG User B 21 P_G3_IMSI_CUG_D IMSI of CUG User D 22 P_G3_IMSI_D IMSI of GSM Subscriber D 23 P_G3_IMSI_E IMSI of GSM Subscriber E 24 P_G3_IMSI_E IMSI of GSM Subscriber with multi- numbering scheme 25 P_G3_IMSI_SNS IMSI of GSM subscriber with single- numbering scheme 26 P_G3_IMSI_SNS IMSI of GSM subscriber A in HPLMN (Type of Number: unknown) 27 P_G3_NUM_A Number of GSM subscriber B in VPLMN (Type of Number: unknown) 28 P_G3_NUM_C Number of GSM subscriber C in HPLMN (Type of Number: unknown) 29 P_G3_NUM_CUG_B GSM called party number for speech. User B is CUG member (IA, not ICB), (Type of Number: unknown) 30 P_G3_NUM_CUG_C GSM called party number for speech. User C is CUG member (IA, not ICB), (Type of Number: unknown) 31 P_G3_NUM_CUG_B GSM called party number for speech. User D is CUG member (IA, not ICB), (Type of Number: unknown) 32 P_G3_NUM_CUG_E GSM called party number for speech. User D is CUG member (IA, ICB), (Type of Number: unknown) 33 P_G3_NUM_CUG_E GSM called party number for speech. User E is CUG member (not IA, not ICB), (Type of Number: unknown) 34 P_G3_NUM_CUG_E	18	P_G3_IMSI_B	
19 P_G3_IMSI_C IMSI of GSM Subscriber C 20 P_G3_IMSI_CUG_B IMSI of CUG User B 21 P_G3_IMSI_CUG_D IMSI of CUG User D 22 P_G3_IMSI_D IMSI of GSM Subscriber D 23 P_G3_IMSI_E IMSI of GSM Subscriber E 24 P_G3_IMSI_E IMSI of GSM Subscriber with multi- numbering scheme 25 P_G3_IMSI_SNS IMSI of GSM subscriber with single- numbering scheme 26 P_G3_IMSI_SNS IMSI of GSM subscriber A in HPLMN (Type of Number: unknown) 27 P_G3_NUM_A Number of GSM subscriber B in VPLMN (Type of Number: unknown) 28 P_G3_NUM_C Number of GSM subscriber C in HPLMN (Type of Number: unknown) 29 P_G3_NUM_CUG_B GSM called party number for speech. User B is CUG member (IA, not ICB), (Type of Number: unknown) 30 P_G3_NUM_CUG_C GSM called party number for speech. User C is CUG member (IA, not ICB), (Type of Number: unknown) 31 P_G3_NUM_CUG_B GSM called party number for speech. User D is CUG member (IA, not ICB), (Type of Number: unknown) 32 P_G3_NUM_CUG_E GSM called party number for speech. User D is CUG member (IA, ICB), (Type of Number: unknown) 33 P_G3_NUM_CUG_E GSM called party number for speech. User E is CUG member (not IA, not ICB), (Type of Number: unknown) 34 P_G3_NUM_CUG_E		IMSL of GSM Subscriber B	
P_G3_IMSI_CUG_B IMSI of CUG User B 21 P_G3_IMSI_CUG_D IMSI of CUG User D 22 P_G3_IMSI_D IMSI of GSM Subscriber D 23 P_G3_IMSI_E IMSI of GSM Subscriber E 24 P_G3_IMSI_MNS IMSI of GSM subscriber with multinumbering scheme 25 P_G3_IMSI_SNS IMSI of GSM subscriber with singlenumbering scheme 26 P_G3_IMSI_SNS IMSI of GSM subscriber A in HPLMN (Type of Number: unknown) 27 P_G3_NUM_A Number of GSM subscriber B in VPLMN (Type of Number: unknown) 28 P_G3_NUM_C Number of GSM subscriber C in HPLMN (Type of Number: unknown) 29 P_G3_NUM_CUG_B GSM called party number for speech. User B is CUG member (IA, ICB), (Type of Number: unknown) 30 P_G3_NUM_CUG_C GSM called party number for speech. User C is CUG member (IA, ICB), (Type of Number: unknown) 31 P_G3_NUM_CUG_E GSM called party number for speech. User D is CUG member (IA, ICB), (Type of Number: unknown) 32 P_G3_NUM_CUG_E GSM called party number for speech. User D is CUG member (IA, ICB), (Type of Number: unknown) 33 P_G3_NUM_CUG_E GSM called party number for speech. User E is CUG member (not IA, not ICB), (Type of Number: unknown) 34 P_G3_NUM_CUG_E GSM called party number for speech. User E is CUG member (not IA, not ICB), (Type of Number: unknown) 35 P_G3_NUM_CUG_E GSM called party number for speech. User E is CUG member (not IA, ICB), (Type of Number: unknown)	19		
P_G3_IMSL_CUG_B IMSI of CUG User B 21 P_G3_IMSL_CUG_D IMSI of CUG User D 22 P_G3_IMSL_D IMSI of GSM Subscriber D 23 P_G3_IMSL_E IMSI of GSM Subscriber E 24 P_G3_IMSL_MNS IMSI of GSM subscriber with multinumbering scheme 25 P_G3_IMSL_SNS IMSI of GSM subscriber with singlenumbering scheme 26 P_G3_NUM_A Number of GSM subscriber A in HPLMN (Type of Number: unknown) 27 P_G3_NUM_B Number of GSM subscriber B in VPLMN (Type of Number: unknown) 28 P_G3_NUM_C Rumber of GSM subscriber C in HPLMN (Type of Number: unknown) 29 P_G3_NUM_CUG_B GSM called party number for speech. User B is CUG member (IA, not ICB), (Type of Number: unknown) 30 P_G3_NUM_CUG_C GSM called party number for speech. User C is CUG member (IA, CUB), (Type of Number: unknown) 31 P_G3_NUM_CUG_D GSM called party number for speech. User D is CUG member (IA, not ICB), (Type of Number: unknown) 32 P_G3_NUM_CUG_D GSM called party number for speech. User D is CUG member (not IA, not ICB), (Type of Number: unknown) 33 P_G3_NUM_CUG_D GSM called party number for speech. User E is CUG member (not IA, not ICB), (Type of Number: unknown) 34 P_G3_NUM_CUG_D Rumber of GSM subscriber D in HPLMN			
IMSI of CUG User B 21 P_G3_IMSI_CUG_D IMSI of CUG User D 22 P_G3_IMSI_D IMSI of GSM Subscriber D 23 P_G3_IMSI_E IMSI of GSM Subscriber E 24 P_G3_IMSI_MNS IMSI of GSM subscriber with multi- numbering scheme 25 P_G3_IMSI_SNS IMSI of GSM subscriber with single- numbering scheme 26 P_G3_IMSI_SNS IMSI of GSM subscriber A in HPLMN (Type of Number: unknown) 27 P_G3_NUM_A Number of GSM subscriber B in VPLMN (Type of Number: unknown) 28 P_G3_NUM_B Number of GSM subscriber C in HPLMN (Type of Number: unknown) 29 P_G3_NUM_CUG_B GSM called party number for speech. User B is CUG member (IA, not ICB), (Type of Number: unknown) 30 P_G3_NUM_CUG_D GSM called party number for speech. User C is CUG member (IA, ICB), (Type of Number: unknown) 31 P_G3_NUM_CUG_B GSM called party number for speech. User D is CUG member (not IA, not ICB), (Type of Number: unknown) 32 P_G3_NUM_CUG_E GSM called party number for speech. User D is CUG member (not IA, not ICB), (Type of Number: unknown) 33 P_G3_NUM_CUG_E GSM called party number for speech. User E is CUG member (not IA, not ICB), (Type of Number: unknown) 34 P_G3_NUM_CUG_E GSM called party number for speech. User E is CUG member (not IA, ICB), (Type of Number: unknown) 35 P_G3_NUM_CUG_E GSM called party number for speech. User E is CUG member (not IA, ICB), (Type of Number: unknown)			
21 P_G3_IMSI_CUG_D IMSI of CUG User D 22 P_G3_IMSI_E IMSI of GSM Subscriber D 23 P_G3_IMSI_E IMSI of GSM Subscriber E 24 P_G3_IMSI_SNS IMSI of GSM subscriber with multinumbering scheme 25 P_G3_IMSI_SNS IMSI of GSM subscriber with singlenumbering scheme 26 P_G3_IMSI_SNS IMSI of GSM subscriber with singlenumbering scheme 27 P_G3_IMSI_SNS IMSI of GSM subscriber A in HPLMN (Type of Number: unknown) 28 P_G3_NUM_A Number of GSM subscriber B in VPLMN (Type of Number: unknown) 29 P_G3_NUM_CUG_B GSM called party number for speech. User B is CUG member (IA, not ICB), (Type of Number: unknown) 30 P_G3_NUM_CUG_D GSM called party number for speech. User C is CUG member (IA, ICB), (Type of Number: unknown) 31 P_G3_NUM_CUG_D GSM called party number for speech. User D is CUG member (IA, ICB), (Type of Number: unknown) 32 P_G3_NUM_CUG_E GSM called party number for speech. User D is CUG member (not IA, not ICB), (Type of Number: unknown) 33 P_G3_NUM_CUG_E GSM called party number for speech. User E is CUG member (not IA, not ICB), (Type of Number: unknown) 34 P_G3_NUM_CUG_E GSM called party number for speech. User E is CUG member (not IA, ICB), (Type of Number: unknown)	20	P_G3_IMSI_CUG_B	
21 P_G3_IMSI_CUG_D IMSI of CUG User D 22 P_G3_IMSI_E IMSI of GSM Subscriber D 23 P_G3_IMSI_E IMSI of GSM Subscriber E 24 P_G3_IMSI_SNS IMSI of GSM subscriber with multinumbering scheme 25 P_G3_IMSI_SNS IMSI of GSM subscriber with singlenumbering scheme 26 P_G3_IMSI_SNS IMSI of GSM subscriber with singlenumbering scheme 27 P_G3_IMSI_SNS IMSI of GSM subscriber A in HPLMN (Type of Number: unknown) 28 P_G3_NUM_A Number of GSM subscriber B in VPLMN (Type of Number: unknown) 29 P_G3_NUM_CUG_B GSM called party number for speech. User B is CUG member (IA, not ICB), (Type of Number: unknown) 30 P_G3_NUM_CUG_D GSM called party number for speech. User C is CUG member (IA, ICB), (Type of Number: unknown) 31 P_G3_NUM_CUG_D GSM called party number for speech. User D is CUG member (IA, ICB), (Type of Number: unknown) 32 P_G3_NUM_CUG_E GSM called party number for speech. User D is CUG member (not IA, not ICB), (Type of Number: unknown) 33 P_G3_NUM_CUG_E GSM called party number for speech. User E is CUG member (not IA, not ICB), (Type of Number: unknown) 34 P_G3_NUM_CUG_E GSM called party number for speech. User E is CUG member (not IA, ICB), (Type of Number: unknown)		IMSI of CUG User B	
P_G3_IMS_D IMSI of GSM Subscriber D 23 P_G3_IMS_E IMSI of GSM Subscriber E 24 P_G3_IMS_MNS IMSI of GSM subscriber with multinumbering scheme 25 P_G3_IMS_SNS IMSI of GSM subscriber with singlenumbering scheme 26 P_G3_NUM_A Number of GSM subscriber A in HPLMN (Type of Number: unknown) 27 P_G3_NUM_B Number of GSM subscriber B in VPLMN (Type of Number: unknown) 28 P_G3_NUM_C Number of GSM subscriber C in HPLMN (Type of Number: unknown) 29 P_G3_NUM_CUG_B GSM called party number for speech. User B is CUG member (IA, not ICB), (Type of Number: unknown) 30 P_G3_NUM_CUG_C GSM called party number for speech. User C is CUG member (IA, ICB), (Type of Number: unknown) 31 P_G3_NUM_CUG_D GSM called party number for speech. User D is CUC member (IA, ICB), (Type of Number: unknown) 32 P_G3_NUM_CUG_E GSM called party number for speech. User D is CUC member (IA, ICB), (Type of Number: unknown) 33 P_G3_NUM_CUG_E GSM called party number for speech. User E is CUC member (IA, ICB), (Type of Number: unknown) 34 P_G3_NUM_CUG_E GSM called party number for speech. User E is CUC member (IA, ICB), (Type of Number: unknown) 35 P_G3_NUM_CUG_E GSM called party number for speech. User E is CUC member (IA, ICB), (Type of Number: unknown) Number: unknown)	21		
P_G3_IMSI_D IMSI of GSM Subscriber D 23 P_G3_IMSI_E IMSI of GSM Subscriber E 24 P_G3_IMSI_MNS IMSI of GSM subscriber with multi- numbering scheme 25 P_G3_IMSI_SNS IMSI of GSM subscriber with single- numbering scheme 26 P_G3_NUM_A Number of GSM subscriber A in HPLMN (Type of Number: unknown) 27 P_G3_NUM_B Number of GSM subscriber B in VPLMN (Type of Number: unknown) 28 P_G3_NUM_CC Number of GSM subscriber C in HPLMN (Type of Number: unknown) 29 P_G3_NUM_CUG_B GSM called party number for speech. User B is CUG member (IA, not ICB), (Type of Number: unknown) 30 P_G3_NUM_CUG_C GSM called party number for speech. User C is CUG member (IA, ICB), (Type of Number: unknown) 31 P_G3_NUM_CUG_D GSM called party number for speech. User D is CUG member (IA, ICB), (Type of Number: unknown) 32 P_G3_NUM_CUG_E GSM called party number for speech. User D is CUG member (not IA, not ICB), (Type of Number: unknown) 33 P_G3_NUM_CUG_E GSM called party number for speech. User E is CUG member (not IA, ICB), (Type of Number: unknown) 34 P_G3_NUM_CUG_E GSM called party number for speech. User E is CUG member (not IA, ICB), (Type of Number: unknown) 35 P_G3_NUM_D Number: of GSM subscriber D in HPLMN		1401 (011011	
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GSM called party number for speech. User E is CUG member (not IA, ICB), (Type of Number: unknown) P_G3_NUM_D Number of GSM subscriber D in HPLMN		of Number: unknown)	
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Number: unknown) P_G3_NUM_D Number of GSM subscriber D in HPLMN			
Number of GSM subscriber D in HPLMN		Number: unknown)	
	33	P_G3_NUM_D	
		Number of GSM subscriber D in HPLMN	
[(Type of Number: unknown)		(Type of Number: unknown)	

Item	Parameter	Value
34	P_G3_NUM_E	
	Number of GSM subscriber E in VPLMN	
	(Type of Number: unknown)	
35	P_G3_NUM_INCOMPLETÉ	
	GSM called party number (valid but	
	incomplete number)	
36	P_G3_NUM_MNS_SPEECH	
	MCICONI for CCM cubocribor with multi	
	MSISDN for GSM subscriber with multi- numbering scheme: Speech	
37	P_G3_NUM_MNS_TS61	
	MCICDNI for CCM out on the arrivate mouth	
	MSISDN for GSM subscriber with multi- numbering scheme: TS61	
38	P_G3_NUM_MNS_UDI_48	
	MOIODNIK OOM I 'I 'II 'II	
	MSISDN for GSM subscriber with multi- numbering scheme: UDI 4.8 kBit/s	
39	P_G3_NUM_N_C	
	COM colled months purple on the college of the coll	
40	GSM called party number User C (national) P G3 NUM N D	
10	1 _GG_IVGWI_IV_B	
	Number of GSM subscriber D (Type of	
41	Number: national) P_G3_NUM_SNS	
71	1 _GG_IVGWI_GIVG	
	IMSI of GSM subscriber with single-	
42	numbering scheme P_G3_NUM_UDI_CUG_D	
72	1 _GG_IVGWI_GBI_GGG_B	
	GSM called party number for UDI. User D is	
	CUG member (not IA, not ICB), (Type of Number: unknown)	
43	P_G3_NUM_UNASSIGNED	
	GSM called party number (unassigned	
	number)	
44	P_G3_PASSWORD	
	CSM Decoword for Supplementary Services	
45	GSM Password for Supplementary Services P G3 SMS 8BIT CODING	
	TRUE if 8 bit coding is used for the SMS data	
46	P G3 SMS NUM A	
47	SMS calling party number P G3 SMS NUM B	
] ,		
	SMS called party number	
48	P_G3_SMS_NUM_SC	
	SMS number of the Service Center	
49	P_G3_SMS_TON_A	
	type of number	
50	P_G3_SMS_TON_B	
51	type of number P_G3_SMS_TON_SC	
	type of number	

140	Doromotor	Value
Item	Parameter DATA	Value
52	P_G3_SMS_TP_DATA	
	short massage data (hovadasimal)	
F2	short message data (hexadecimal) P G3 TINIT	
53	r_Go_IIINII	
	originating PTC start delay timer	
54	P_G3_TI_V_1	
∪ -		
	First) GSM TI Value	
55	P_G3_TI_V_2	
00	1_00_11_1_1	
	Second GSM TI Value for multiple	
	originating calls	
56	P_G3_TMPTY	
	timeout value for all multiparty related	
	durations	
57	P_ID_ASUB	
	National NA IODNI	
	Network N1 ISDN access number subaddress	
58	P_ID_BNUM_I	
J0	P_ID_BNUM_I Network N2 ISDN access number	
	(international)	
59	P_ID_BSUB	
	Network N2 ISDN access subaddress	
60	P_ID_CR_LEN_1	
	ISDN 1 CR Length	
61	P_ID_CR_LEN_2	
	ISDN 2 CR Length	
62	P_ID_CR_LEN_3	
	ISDN 2 CP Longth	
63	ISDN 3 CR Length P_ID_CR_LEN_4	
63		
	ISDN 4 CR Length	
64	P_ID_CR_VALUE	
.	5_01(_1/1.65	
	ISDN CR Value	
65	P_ID_CUG_INDEX	
	Closed user group number	
	(must be the same for both networks)	
66	P_ID_CUG_INDEX_2	
	Closed user group number	
67	(must be the same for both networks)	
67	P_ID_NUM_A	
	Network N1 ISDN User A access number	
	(Type of Number: unknown)	
68	P_ID_NUM_B	
	5110111_5	
	Network N2 ISDN User B access number	
	(Type of Number: unknown)	
69	P_ID_NUM_C	
	Network N1 ISDN User C access number	
	(Type of Number: unknown)	
70	P_ID_NUM_CUG_B	
	Network N1 ISDN User B access number	
	with CGU attributes (IA, not ICB)	
	(international)	

Item	Parameter	Value
71	P_ID_NUM_CUG_C	Value
' '	_ID_NOWI_COG_C	
	Network N1 ISDN User C access number	
	with CGU attributes (IA, ICB) (international)	
72	P_ID_NUM_CUG_D	
	Network N1 ISDN User D access number	
	with CGU attributes (not IA, not ICB)	
	(international)	
73	P_ID_NUM_CUG_E	
	Network N1 ISDN	
	User E access number with CGU attributes	
74	(not IA, ICB) (international)	
74	P_ID_NUM_D Network N1 ISDN User D access number	
	(international)	
75	P_ID_NUM_FPH_B	
	_ E_NOM_	
1	Network N1 ISDN User B access number	
	with <freephone (international)<="" attributes="" td=""><td></td></freephone>	
76	P_ID_NUM_I_A	
	Network N1 ISDN User A access	
77	(international)	
77	P_ID_NUM_I_B	
	Network N1 ISDN User B access	
	(international)	
78	P_ID_NUM_N_A	
. 0		
	Network N1 ISDN User A access (national)	
79	P_ID_NUM_N_B	
	Network N1 ISDN User B access (national)	
80	P_ID_NUM_S_A	
	Network N1 ISDN User A access number	
	(subscriber)	
81	P ID NUM S B	
	Network N2 ISDN User B access number	
	(subscriber)	
82	P_ID_NUM_UNASSIGNED	
00	Network N1 ISDN number (unassigned)	
83	P_ID_T_CFG_1	
0.1	ISDN 1 T configuration ? P ID T CFG 2	
84		
1	ISDN 2 T configuration ?	
85	P_ID_T_CFG_3	
	ISDN 3 T configuration ?	
86	P_ID_T_CFG_4	
	ISDN 4 T configuration ?	
87	P_G3_Appl_Description	
	Executing external IP Application	
88	P_G3_Appl_Parameters	
00	D D 011	
89	P_P_CLI	
	TRUE if CLL can be provided by DCTN	
1	TRUE if CLI can be provided by PSTN (network N1) for calls to ISDN users	
90	P_P_COL	
	TRUE if COL can be provided by PSTN	
	(network N2) for calls from ISDN users	

Item	Parameter	Value
91	P_P_FREEPHONE_B	
	Network N2 PSTN Freephone number User	
	B (Type of Number: unknown)	
92	P_P_NUM_A	
02	1 _1 _110M1	
	PSTN called party number A	
93	P_P_NUM_B	
0.4	PSTN called party number B P P NUM C	
94	P_P_NUM_C	
	PSTN called party number C	
95	P_P_NUM_D	
	PSTN called party number D	
96	P_P_NUM_UNASSIGNED	
	PSTN called party number (unassigned	
	number)	
97	P_T_BCHECK	
	Duration of B-channel check procedure in seconds	
	(the duration of the watchdog timers	
	T_WAIT and T_WAIT_MTC is increased	
	respectively)	
98	P_T_STOP_RINGING	
	Time (ms) after which ringing at (analog) B	
	side has to terminate when A clears before answer	
99	P_T_WAIT	
	Time (min) for waiting activity on called side.	
	(e.g. 4 min) if P_T_BCHECK is 0 or if there	
	is no traffic channel check is to be done	
100	P_T_WAIT_MTC	
	Time (min) for the MTC to wait for all the PTCs' verdicts	
	MUST be longer than P_T_WAIT	
	(e.g. 6 min)	
L	, ,	1

B.4 Test campaign report

Table B.2

ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
IGSP_01	(,	(2222)		
IGSP_02				
IGSP03				
IGSP_04				
IGSP_05				
IGAU_01				
IGAU02				
IGAU_03				
IGAU04				
IGAU05				
IGAU06				
IGAU07				
IGAU08				
IGAU09				
IGAU10VA01				
IGAU10VA02				
IGAU10VA03				
IGAU10VA04				
IGAU10VA05				
IGAU10VA06				
IGAU10VA07				
IGAU10VA08				
IGAU10VA09				
IGAU11VA01				
IGAU11VA02				
IGAU11VA03				
IGAU11VA04				
IGAU11VA05				
IGAU11VA06				

ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
IGAU11VA07	(,,,,,	(1714)		
IGAU11VA08				
IGAU11VA09				
IGAU12VA01				
IGAU12VA02				
IGAU12VA03				
IGAU12VA04				
IGAU12VA05				
IGAU12VA06				
IGAU12VA07				
IGAU12VA08				
IGAU12VA09				
IGDU01				
IGDU02				
IGDU03				
IGDU04				
IGDU05VA01				
IGDU05VA02				
IGDU05VA03				
IGDU05VA04				
IGDU05VA05				
IGUD05VA06				
IGUD05VA07				
IGUD05VA08				
IGUD05VA09				
IGUD_06VA01				
IGUD06VA02				
IGUD06VA03				
IGUD06VA04				
IGUD06VA05				
IGUD06VA06				
IGUD06VA07				

	ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
IG	_UD06VA08	(,	()		
IG	_UD06VA09				
IG	_UD07VA01				
IG	_UD07VA02				
IG	_UD07VA03				
IG	_UD07VA04				
IG	_UD07VA05				
IG	_UD07VA06				
IG	_UD07VA07				
IG	_UD07VA08				
IG	_UD07VA09				
IG	_SP_U01				
IG	_SP_U02				
IG	_SP_U03				
IG	_SP_U04				
IG	_SP_U05				
IG	_SP_U06				
IG	_SP_U07				
IG	_SP_U08				
IG	_SP_U09				
IG	_SP_U10				
IG	_SP_U11				
IG	_AU_U01				
IG	_AU_U02				
IG	_AU_U03				
IG	_AU_U04				
IG	_AU_U05				
IG	_AU_U06				
IG	_AU_U07				
IG	AU_U08_SNS				
IG	_AU_U09				
IG_	_AU_U10_SNS				

ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
IGAU_U11	(1714)	(1714)		
IGAU_U12				
IGAU_U13				
IGAU_U14				
IGAU_U15				
IGAU_U16_SNS				
IGDU_U01				
IGUD_U02				
IGUD_U03				
IGUD_U04				
IGUD_U05				
IGUD_U06				
IGUD_U07				
IGUD_U08				
IGUD_U09				
IGUD_U11				
IGUD_U12				
IGUD_U13				
IGUD_U14				
IGUD_U15				
IGUD_U16				
IGUD_U17				
IGUD_U18				
IGUD_U19				
IGUD_U20				
IGUD_U21				
IGUD_U22				
IGUD_U23				
IGUD_U24				
IGUD_U25				
IGUD_U26				
IGUD_U27				

	ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
IG	DU_U28	(2222)	()		
IG	UT_U01_TA				
IG	SPSSCLIP01				
IG	SPSSCLIP02				
IG	SPSSCLIP03				
IG	SPSSCLIP04				
IG	SPSSCLIP05				
IG	SPSSCLIR01				
IG	SPSSCLIR02				
IG	SPSSCOLP01				
IG	SPSSCOLP02				
IG	SPSSCOLR01				
IG	SPSSCUG01				
IG	SPSSCUG02				
IG	SPSSCUG03				
IG	SPSSCUG04				
IG	SPSSCUG05				
IG	SPSSCUG06				
IG	SPSSCUG07				
IG	SPSSCUG08				
IG	SPSSCUG09				
IG	SPSSCUG10				
IG	SPSSCUG11				
IG	SPSSSUB01				
IG	SPSSSUB02				
IG	SPSSCFU01				
IG	SPSSCFU02				
IG	SPSSCFB01				
IG	SPSSCFB02				
IG	SPSSCFB03				
IG	SPSSCFB04				
IG	SPSSCFNRy01				

	ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
IG_	_SPSSCFNRy02				
IG_	_SPSSCFNRc01				
IG_	_SPSSCFNRc02				
IG_	_SPSSHOLD01				
IG_	_SPSSHOLD02				
IG_	_SPSSHOLD03				
IG_	_SPSSHOLD04				
IG_	_SPSSHOLD05				
IG_	_SPSSHOLD06				
IG_	_SPSSCW01				
IG_	_SPSSCW02				
IG_	_SPSSUUS1i01				
IG_	_SPSSUUS1i02				
IG_	_SPSSUUS1i03				
IG_	_SPSSUUS1i04				
IG_	_SPSSUUS1i05				
IG_	_SPSSUUS1i06				
IG_	_SPSICFU_CLI_COL01_CLI_COL				
IG_	_SPSICFU_CLI_COL02_CLI_COL				
IG_	_SPSICFU_CLI_COL03_CLI_COL				
IG_	_SPSICFB_CLI_COL01				
IG_	_SPSICFB_CLI_COL02				
IG_	_SPSICFB_CLI_COL03				
IG_	_SPSICFB_CLI_COL04				
IG_	_SPSICFB_CLI_COL05				
IG_	_SPSICFB_CLI_COL06				
IG_	_SPSICFNRy_CLI_COL01				

IG	ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
IG_SPSICFNRe_CLL_COL01 IG_SPSICFNRe_CLL_COL02 IG_SPSICFNRe_CLL_COL03 IG_SPSICFNRe_CLL_COL04 IG_SPSICFNRe_CLL_COL05 IG_SPSICFNRe_CLL_COL06 IG_SPSICUG_CFU01 IG_SPSICUG_CFU01 IG_SPSICUG_CFU02 IG_SPSICUG_CFU03 IG_SPSICUG_CFU04 IG_SPSICUG_CFU05 IG_SPSICUG_CFU06 IG_SPSICUG_CFU06 IG_SPSICUG_CFU07 IG_SPSICUG_CFU08 IG_SPSICUG_CFU08 IG_SPSICUG_CFU09 IG_SPSICUG_CFU09 IG_SPSICUG_CFU09 IG_SPSICFB_CW00 IG_SPSICFB_CW00 IG_SPSICFB_CW00 IG_SPSICFB_CW06 IG_SPS	IGSPSICFNRy_CLI_COL02				
IG_SPSICFNRe_CLL_COL02 IG_SPSICFNRe_CLL_COL03 IG_SPSICFNRe_CLL_COL04 IG_SPSICFNRe_CLL_COL05 IG_SPSICFNRe_CLL_COL06 IG_SPSICFNRe_CLL_COL06 IG_SPSICUG_CFU01 IG_SPSICUG_CFU02 IG_SPSICUG_CFU03 IG_SPSICUG_CFU04 IG_SPSICUG_CFU05 IG_SPSICUG_CFU05 IG_SPSICUG_CFU06 IG_SPSICFB_CW01 IG_SPSICFB_CW01 IG_SPSICFB_CW02 IG_SPSICFB_CW05 IG_SPSICFB_CW06 IG_SPSICFB_CW06 IG_SPSICFB_CW06 IG_SPSICFB_CW06 IG_SPSICFB_CW06 IG_SPSICFB_CW06 IG_SPSICFB_CW06 IG_SPSICFB_CW06 IG_SPSICFB_CW06 IG_SPSIUUS1601 IG_SPSIUUS1601 IG_SPSIUUS1603 IG_SPSIUUS206 IG_SPSIUUS206 IG_SPSIUUS206 IG_SPSIUUS206 IG_SPSIUUS206 IG_SPSIUUS206 IG_SPSIUUS309 IG_SPSIUUS309 IG_SPSIUUS309 IG_SPSIUUS309 IG_SPSIUUS309 IG_SPSIUUS309	IGSPSICFNRy_CLI_COL03				
IGSPSICFNRc_CLL_COL03 IGSPSICFNRc_CLL_COL04 IGSPSICFNRc_CLL_COL05 IGSPSICFNRc_CLL_COL06 IGSPSICUG_CFU01 IGSPSICUG_CFU02 IGSPSICUG_CFU03 IGSPSICUG_CFU04 IGSPSICUG_CFU05 IGSPSICUG_CFU06 IGSPSICUG_CFU06 IGSPSICUG_CFU06 IGSPSICFB_CW01 IGSPSICFB_CW02 IGSPSICFB_CW02 IGSPSICFB_CW03 IGSPSICFB_CW06 IGSPSICFB_CW06 IGSPSICFB_CW06 IGSPSICFB_CW06 IGSPSICFB_CW06 IGSPSICFB_CW06 IGSPSICFB_CW06 IGSPSIUS1e01 IGSPSSUUS1e02 IGSPSSUUS1e03 IGSPSSUUS1e03 IGSPSSUUS206 IGSPSSUUS206 IGSPSSUUS206 IGSPSSUUS206 IGSPSSUUS307 IGSPSSUUS309 IGSPSSUUS309 IGSPSSUUS309 IGSPSSUUS309 IGSPSSUUS309 IGSPSSUUS309	IGSPSICFNRc_CLI_COL01				
IG_SPSICFNRc_CLI_COL04 IG_SPSICFNRc_CLI_COL06 IG_SPSICUG_CFU01 IG_SPSICUG_CFU02 IG_SPSICUG_CFU03 IG_SPSICUG_CFU04 IG_SPSICUG_CFU05 IG_SPSICUG_CFU05 IG_SPSICUG_CFU05 IG_SPSICUG_CFU05 IG_SPSICUG_CFU06 IG_SPSICFB_CW01 IG_SPSICFB_CW02 IG_SPSICFB_CW02 IG_SPSICFB_CW08 IG_SPSICFB_CW05 IG_SPSICFB_CW05 IG_SPSICFB_CW06 IG_SPSICFB_CW06 IG_SPSICFB_CW06 IG_SPSICFB_CW06 IG_SPSICFB_CW06 IG_SPSIUS1e01 IG_SPSSUUS1e01 IG_SPSSUUS1e02 IG_SPSSUUS1e03 IG_SPSSUUS206 IG_SPSSUUS206 IG_SPSSUUS206 IG_SPSSUUS309 IG_SPSSUUS309 IG_SPSSUUS309 IG_SPSSUUS309 IG_SPSSUUS309	IGSPSICFNRc_CLI_COL02				
IG_SPSICFNRc_CLI_COL05 IG_SPSICHRC_CLI_COL06 IG_SPSICUG_CFU01 IG_SPSICUG_CFU02 IG_SPSICUG_CFU03 IG_SPSICUG_CFU04 IG_SPSICUG_CFU05 IG_SPSICUG_CFU06 IG_SPSICUG_CFU06 IG_SPSICHE_CW01 IG_SPSICHE_CW02 IG_SPSICHE_CW02 IG_SPSICHE_CW08 IG_SPSICHE_CW08 IG_SPSICHE_CW06 IG_SPSICHE	IGSPSICFNRc_CLI_COL03				
IG_SPSICFNRc_CLI_COL06 IG_SPSICUG_CFU01 IG_SPSICUG_CFU02 IG_SPSICUG_CFU03 IG_SPSICUG_CFU03 IG_SPSICUG_CFU04 IG_SPSICUG_CFU05 IG_SPSICUG_CFU05 IG_SPSICFB_CW01 IG_SPSICFB_CW02 IG_SPSICFB_CW03 IG_SPSICFB_CW04 IG_SPSICFB_CW05 IG_SPSICFB_CW05 IG_SPSICFB_CW05 IG_SPSICFB_CW06 IG_SPSICFB_CW06 IG_SPSICFB_CW06 IG_SPSICFB_CW06 IG_SPSICFB_CW06 IG_SPSICFB_CW06 IG_SPSICFB_CW06 IG_SPSICUS1602 IG_SPSICUS1603 IG_SPSICUS1603 IG_SPSICUS206 IG_SPSICUS206 IG_SPSICUS206 IG_SPSICUS206 IG_SPSICUS307 IG_SPSICUS309 IG_SPSICUS309 IG_SPSICONFO1 IG_SPSICONFO1	IGSPSICFNRc_CLI_COL04				
IGSPSICUG_CFU01 IGSPSICUG_CFU02 IGSPSICUG_CFU03 IGSPSICUG_CFU04 IGSPSICUG_CFU05 IGSPSICFB_CW01 IGSPSICFB_CW02 IGSPSICFB_CW03 IGSPSICFB_CW04 IGSPSICFB_CW05 IGSPSICFB_CW06 IGSPSICFB_CW06 IGSPSIUS1e01 IGSPSSUUS1e02 IGSPSSUUS1e03 IGSPSSUUS204 IGSPSSUUS205 IGSPSSUUS307 IGSPSSUUS308 IGSPSSUUS309 IGSPSNCONF01	IGSPSICFNRc_CLI_COL05				
IGSPSICUG_CFU02	IGSPSICFNRc_CLI_COL06				
IGSPSICUG_CFU03	IGSPSICUG_CFU01				
IGSPSICUG_CFU04	IGSPSICUG_CFU02				
IGSPSICUG_CFU05	IGSPSICUG_CFU03				
IGSPSICFB_CW02	IGSPSICUG_CFU04				
IGSPSICFB_CW02	IGSPSICUG_CFU05				
IGSPSICFB_CW03	IGSPSICFB_CW01				
IGSPSICFB_CW04	IGSPSICFB_CW02				
IGSPSICFB_CW05 IGSPSICFB_CW06 IGSPSNTP01 IGSPSNTP02 IGSPSSUUS1e01 IGSPSSUUS1e02 IGSPSSUUS1e03 IGSPSSUUS204 IGSPSSUUS206 IGSPSSUUS206 IGSPSSUUS307 IGSPSSUUS308 IGSPSSUUS309 IGSPSSUUS309	IGSPSICFB_CW03				
IGSPSICFB_CW06 IGSPSNTP01 IGSPSNTP02 IGSPSSUUS1e01 IGSPSSUUS1e02 IGSPSSUUS1e03 IGSPSSUUS204 IGSPSSUUS205 IGSPSSUUS206 IGSPSSUUS307 IGSPSSUUS308 IGSPSSUUS309 IGSPSSUUS309	IGSPSICFB_CW04				
IGSPSNTP01 IGSPSNUS1e01 IGSPSSUUS1e02 IGSPSSUUS1e03 IGSPSSUUS204 IGSPSSUUS205 IGSPSSUUS206 IGSPSSUUS307 IGSPSSUUS308 IGSPSSUUS309 IGSPSSUUS309	IGSPSICFB_CW05				
IGSPSNTP02 IGSPSSUUS1e01 IGSPSSUUS1e02 IGSPSSUUS1e03 IGSPSSUUS204 IGSPSSUUS205 IGSPSSUUS206 IGSPSSUUS307 IGSPSSUUS308 IGSPSSUUS309 IGSPSNCONF01	IGSPSICFB_CW06				
IGSPSSUUS1e01 IGSPSSUUS1e02 IGSPSSUUS1e03 IGSPSSUUS204 IGSPSSUUS205 IGSPSSUUS206 IGSPSSUUS307 IGSPSSUUS308 IGSPSSUUS309 IGSPSNCONF01	IGSPSNTP01				
IGSPSSUUS1e02 IGSPSSUUS204 IGSPSSUUS205 IGSPSSUUS206 IGSPSSUUS307 IGSPSSUUS308 IGSPSSUUS309 IGSPSNCONF01	IGSPSNTP02				
IGSPSSUUS1e03	IGSPSSUUS1e01				
IGSPSSUUS204	IGSPSSUUS1e02				
IGSPSSUUS205	IGSPSSUUS1e03				
IGSPSSUUS206 IGSPSSUUS307 IGSPSSUUS308 IGSPSSUUS309 IGSPSNCONF01	IGSPSSUUS204				
IGSPSSUUS307 IGSPSSUUS308 IGSPSSUUS309 IGSPSNCONF01	IGSPSSUUS205				
IGSPSSUUS308 IGSPSSUUS309 IGSPSNCONF01	IGSPSSUUS206				
IGSPSSUUS309 IGSPSNCONF01	IGSPSSUUS307				
IGSPSNCONF01	IGSPSSUUS308				
	IGSPSSUUS309				
IGSPSNCONF02	IGSPSNCONF01				
	IGSPSNCONF02				

	ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
IG_	_SPSNCONF03	(1114)	(.,,		
IG_	_SPSNCONF04				
IG_	_SPSNCONF05				
IG	_SPSNCONF06				
IG_	_SPSNCONF07				
IG	_SPSNCONF08				
IG	_SPSN3PTY01				
IG	_SPSN3PTY02				
IG	_SPSN3PTY03				
IG	_SPSN3PTY04				
IG	_SPSNECT01				
IG	_SPSNECT02				
IG	_SPSNECT03				
IG	_SPSNECT04				
IG_	_SPSNCBS01				
IG	_SPSNCBS02				
IG_	_SPSNCCBS01				
IG	_SPSNCCNR01				
IG	_SPSNAoC01				
IG	_SPSNAoC02				
IG	_SPSNMPTY01				
IG	_SPSNMPTY02				
IG	_SPSNMPTY03				
IG	_SPSNMPTY04				
IG_	_UDSSCLIP01				
IG_	_UDSSCLIP02				
IG_	_UDSSCLIP03				
IG_	_UDSSCLIP04				
IG_	_UDSSCLIP05				
IG_	_UDSSCLIR01				
IG	_UDSSCLIR02				
IG	_UDSSCOLP01				

ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
IGUDSSCOLP02				
IGUDSSCOLR01				
IGUDSSCUG01				
IGUDSSCUG02				
IGUDSSCUG03				
IGUDSSCUG04				
IGUDSSCUG05				
IGUDSSCUG06				
IGUDSSCUG07				
IGUDSSCUG08				
IGUDSSCUG09				
IGUDSSCUG10				
IGUDSSCUG11				
IGUDSSSUB01				
IGUDSSSUB02				
IGUDSSCFU01				
IGUDSSCFU02				
IGUDSSCFB01				
IGUDSSCFB02				
IGUDSSCFB03				
IGUDSSCFB04				
IGUDSSCFNRy01				
IGUDSSCFNRy02				
IGUDSSCFNRc01				
IGUDSSCFNRc02				
IGUDSSUSS1i01				
IGUDSSUSS1i02				
IGUDSSUSS1i03				
IGUDSSUSS1i04				
IGUDSSUSS1i05				
IGUDSSUSS1i06				
IGUDSICFU_CLI_COL01_CLI_COL				

ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
IGUDSICFU_CLI_COL02_CLI_COL				
IGUDSICFU_CLI_COL03_CLI_COL				
IGUDSICFB_CLI_COL01				
IGUDSICFB_CLI_COL02				
IGUDSICFB_CLI_COL03				
IGUDSICFB_CLI_COL04				
IGUDSICFB_CLI_COL05				
IGUDSICFB_CLI_COL06				
IGUDSICFNRy_CLI_COL01				
IGUDSICFNRy_CLI_COL02				
IGUDSICFNRy_CLI_COL03				
IGUDSICFNRc_CLI_COL01				
IGUDSICFNRc_CLI_COL02				
IGUDSICFNRc_CLI_COL03				

IG_UDSICFNRc_CLI_COL04	ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
IGUDSICUG_CFU01 IGUDSICUG_CFU02 IGUDSICUG_CFU03 IGUDSICUG_CFU03 IGUDSICUG_CFU04 IGUDSICUG_CFU05 IGUDSICUG_CFU05 IGUDSSUSS1e01 IGUDSSUSS1e02 IGUDSSUSS1e03 IGUDSSUSS204 IGUDSSUSS205 IGUDSSUSS206 IGUDSSUSS206 IGUDSSUSS307 IGUDSSUSS309 IGUDSSUSS309 IGUDSSUSS309 IGUDSSUSS309 IGUDSNCBS01 IGUDSNCBS02 PGSP01 PGSP02 PGSP03 PGSP04 PGSP04 PGSPU01 PGSPU02 PGSPU01 PGSPU05 PGSPU06 PGSPU06 PGSPU07 PGSPU07 PGSPU07 PGSPU07 PGSPU07 PGSPU08	IGUDSICFNRc_CLI_COL04	(1111)	(-,,		
IGUDSICUG_CFU02 IGUDSICUG_CFU03 IGUDSICUG_CFU03 IGUDSICUG_CFU04 IGUDSICUG_CFU06 IGUDSICUG_CFU06 IGUDSSUSS1e01 IGUDSSUSS1e02 IGUDSSUSS1e03 IGUDSSUSS204 IGUDSSUSS206 IGUDSSUSS206 IGUDSSUSS206 IGUDSSUSS307 IGUDSSUSS309 IGUDSSUSS309 IGUDSSUSS309 IGUDSNCBS01 IGUDSNCBS01 IGUDSNCBS02 PGSP01 PGSP02 PGSP03 PGSP04 PGSP04 PGSP05 PGSPU01 PGSPU02 PGSPU06 PGSPU07 PGSPU08	IGUDSICFNRc_CLI_COL05				
IG_UDSICUG_CFU02 IG_UDSICUG_CFU03 IG_UDSICUG_CFU04 IG_UDSICUG_CFU05 IG_UDSSUSS1e01 IG_UDSSUSS1e02 IG_UDSSUSS1e03 IG_UDSSUSS204 IG_UDSSUSS205 IG_UDSSUSS206 IG_UDSSUSS206 IG_UDSSUSS207 IG_UDSSUSS208 IG_UDSSUSS209 I	IGUDSICFNRc_CLI_COL06				
IG_UDSICUG_CFU04 IG_UDSICUG_CFU05 IG_UDSSUSS1e01 IG_UDSSUSS1e02 IG_UDSSUSS1e03 IG_UDSSUSS204 IG_UDSSUSS205 IG_UDSSUSS206 IG_UDSSUSS308 IG_UDSSUSS309 IG_UDSSUSS309 IG_UDSNCBS01 IG_UDSNCBS01 IG_UDSNCBS02 PG_SP_01 PG_SP_02 PG_SP_04 PG_SP_U02 PG_SP_U03 PG_SP_U04 PG_SP_U06 PG_SP_U06 PG_SP_U07 PG_SP_U07 PG_SP_U07 PG_SP_U08	IGUDSICUG_CFU01				
IG_UDSICUG_CFU04 IG_UDSICUG_CFU05 IG_UDSSUSS1e01 IG_UDSSUSS1e02 IG_UDSSUSS1e03 IG_UDSSUSS204 IG_UDSSUSS205 IG_UDSSUSS206 IG_UDSSUSS307 IG_UDSSUSS308 IG_UDSSUSS309 IG_UDSNCBS01 IG_UDSNCBS01 IG_UDSNCBS02 PG_SP_01 PG_SP_02 PG_SP_03 PG_SP_04 PG_SP_U02 PG_SP_U02 PG_SP_U03 PG_SP_U04 PG_SP_U05 PG_SP_U06 PG_SP_U07 PG_SP_U07 PG_SP_U07 PG_SP_U08	IGUDSICUG_CFU02				
IG_UDSICUG_CFU05 IG_UDSSUSS1e01 IG_UDSSUSS1e02 IG_UDSSUSS1e03 IG_UDSSUSS204 IG_UDSSUSS205 IG_UDSSUSS206 IG_UDSSUSS307 IG_UDSSUSS308 IG_UDSSUSS309 IG_UDSNCBS01 IG_UDSNCBS01 IG_UDSNCBS02 PG_SP_01 PG_SP_02 PG_SP_03 PG_SP_04 PG_SP_U01 PG_SP_U02 PG_SP_U01 PG_SP_U02 PG_SP_U03 PG_SP_U04 PG_SP_U05 PG_SP_U06 PG_SP_U06 PG_SP_U07 PG_SP_U08	IGUDSICUG_CFU03				
IG_UDSSUSS1e02 IG_UDSSUSS1e03 IG_UDSSUSS204 IG_UDSSUSS205 IG_UDSSUSS206 IG_UDSSUSS307 IG_UDSSUSS308 IG_UDSSUSS309 IG_UDSSUSS309 IG_UDSNCBS01 IG_UDSNCBS02 PG_SP_01 PG_SP_02 PG_SP_03 PG_SP_04 PG_SP_001 PG_SP_U01 PG_SP_U01 PG_SP_U02 PG_SP_U01 PG_SP_U02 PG_SP_U03 PG_SP_U03 PG_SP_U04 PG_SP_U05 PG_SP_U06 PG_SP_U06 PG_SP_U07 PG_SP_U07 PG_SP_U08	IGUDSICUG_CFU04				
IG_UDSSUSS1e02 IG_UDSSUSS1e03 IG_UDSSUSS204 IG_UDSSUSS205 IG_UDSSUSS206 IG_UDSSUSS307 IG_UDSSUSS308 IG_UDSSUSS309 IG_UDSNCBS01 IG_UDSNCBS01 IG_UDSNCBS02 PG_SP_01 PG_SP_02 PG_SP_03 PG_SP_04 PG_SP_U01 PG_SP_U02 PG_SP_U03 PG_SP_U03 PG_SP_U03 PG_SP_U04 PG_SP_U05 PG_SP_U06 PG_SP_U06 PG_SP_U08	IGUDSICUG_CFU05				
IGUDSSUSS1603 IGUDSSUSS204 IGUDSSUSS205 IGUDSSUSS206 IGUDSSUSS307 IGUDSSUSS308 IGUDSSUSS309 IGUDSNCBS01 IGUDSNCBS01 IGUDSNCBS02 PGSP01 PGSP02 PGSP02 PGSP03 PGSP04 PGSPU01 PGSPU01 PGSPU01 PGSPU05 PGSPU06 PGSPU08	IGUDSSUSS1e01				
IGUDSSUSS204 IGUDSSUSS206 IGUDSSUSS206 IGUDSSUSS307 IGUDSSUSS308 IGUDSSUSS309 IGUDSNCBS01 IGUDSNCBS01 IGUDSNCBS02 PGSP01 PGSP02 PGSP03 PGSP04 PGSP04 PGSPU01 PGSPU01 PGSPU05 PGSPU05 PGSPU06 PGSPU08	IGUDSSUSS1e02				
IGUDSSUSS205 IGUDSSUSS206 IGUDSSUSS307 IGUDSSUSS308 IGUDSSUSS309 IGUDSNCBS01 IGUDSNCBS02 PGSP01 PGSP02 PGSP03 PGSP04 PGSP04 PGSPU01 PGSPU01 PGSPU05 PGSPU05 PGSPU06 PGSPU07 PGSPU08	IGUDSSUSS1e03				
IGUDSSUSS206 IGUDSSUSS307 IGUDSSUSS308 IGUDSSUSS309 IGUDSNCBS01 IGUDSNCBS02 PGSP01 PGSP02 PGSP03 PGSP04 PGSP04 PGSPU01 PGSPU05 PGSPU05 PGSPU05 PGSPU06 PGSPU08	IGUDSSUSS204				
IGUDSSUSS308 IGUDSSUSS309 IGUDSNCBS01 IGUDSNCBS02 PGSP01 PGSP02 PGSP03 PGSP04 PGSPU01 PGSPU01 PGSPU05 PGSPU06 PGSPU06 PGSPU08	IGUDSSUSS205				
IGUDSSUSS309 IGUDSNCBS01 IGUDSNCBS02 PGSP_01 PGSP_02 PGSP_03 PGSP_04 PGSP_U01 PGSP_U01 PGSP_U05 PGSP_U03 PGSP_U08	IGUDSSUSS206				
IGUDSSUSS309 IGUDSNCBS01 IGUDSNCBS02 PGSP01 PGSP02 PGSP03 PGSP04 PGSPU01 PGSPU02 PGSPU02 PGSPU02 PGSPU03 PGSPU05 PGSPU06 PGSPU06 PGSPU07 PGSPU08	IGUDSSUSS307				
IGUDSNCBS01 IGUDSNCBS02 PGSP01 PGSP02 PGSP03 PGSP04 PGSPU01 PGSPU01 PGSPU05 PGSPU03 PGSPU06 PGSPU06 PGSPU06 PGSPU07 PGSPU08	IGUDSSUSS308				
IGUDSNCBS02 PGSP01 PGSP02 PGSP03 PGSP04 PGSPU01 PGSPU01 PGSPU02 PGSPU03 PGSPU03 PGSPU04 PGSPU05 PGSPU05 PGSPU06 PGSPU07 PGSPU08	IGUDSSUSS309				
PGSP_01 PGSP_02 PGSP_03 PGSP_04 PGSP_U01 PGSP_U02 PGSP_U02 PGSP_U03 PGSP_U04 PGSP_U05 PGSP_U05 PGSP_U06 PGSP_U07 PGSP_U08	IGUDSNCBS01				
PGSP02 PGSP03 PGSP04 PGSPU01 PGSP_U02 PGSP_U03 PGSP_U04 PGSP_U05 PGSP_U06 PGSP_U06 PGSP_U07 PGSP_U08	IGUDSNCBS02				
PGSP03 PGSP04 PGSP_U01 PGSP_U02 PGSP_U03 PGSP_U04 PGSP_U05 PGSP_U06 PGSP_U06 PGSP_U07 PGSP_U08	PGSP01				
PGSP_U01 PGSP_U02 PGSP_U03 PGSP_U04 PGSP_U05 PGSP_U06 PGSP_U06 PGSP_U07 PGSP_U08	PGSP02				
PGSP_U01 PGSP_U02 PGSP_U03 PGSP_U04 PGSP_U05 PGSP_U06 PGSP_U07 PGSP_U08	PGSP03				
PGSP_U02 PGSP_U03 PGSP_U04 PGSP_U05 PGSP_U06 PGSP_U07 PGSP_U08	PGSP04				
PGSP_U03 PGSP_U04 PGSP_U05 PGSP_U06 PGSP_U07 PGSP_U08	PGSP_U01				
PGSP_U04 PGSP_U05 PGSP_U06 PGSP_U07 PGSP_U08	PGSP_U02				
PGSP_U05 PGSP_U06 PGSP_U07 PGSP_U08	PGSP_U03				
PGSP_U06 PGSP_U07 PGSP_U08	PGSP_U04				
PGSP_U07 PGSP_U08	PGSP_U05				
PGSP_U08	PGSP_U06				
	PGSP_U07				
PGSP_U09	PGSP_U08				
	PGSP_U09				

ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
PGSP_U10				
PGSP_U11				
PGSPSSCLIP01				
PGSPSSCLIR01				
PGSPSSCUG01				
PGSPSSCFU01				
PGSPSSCFB01				
PGSPSSCFB02				
PGSPSSCFB03				
PGSPSSCFNRy01				
PGSPSSCFNRy02				
PGSPSSCFNRc01				
PGSPSNCBS01				
PGSPSNCBS02				
PGSPSNMPTY01				
PGSPSNMPTY02				
PGSPSNMPTY03				
PGSPSNMPTY04				
PGAUBch01				
PGAUBch02				
PGAUBch03				
PGAUBch04				
PGAUBch05				
PGAUBch06				
GISP01				
GISP02				
GISP03				
GISP04				
GISP05				
GISP06				
GIAU01				
GIAU02				

ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
GIAU03VA01				
GIAU03VA02				
GIAU_03VA03				
GIAU03VA04				
GIAU03VA05				
GIAU03VA06				
GIAU03VA07				
GIAU03VA08				
GIAU03VA09				
GIAU04VA01				
GIAU04VA02				
GIAU04VA03				
GIAU04VA04				
GIAU04VA05				
GIAU04VA06				
GIAU04VA07				
GIAU04VA08				
GIAU04VA09				
GIAU05				
GIAU06				
GIDU01				
GIDU02				
GIUD03VA01				
GIUD03VA02				
GIUD03VA03				
GIUD03VA04				
GIUD03VA05				
GIUD03VA06				
GIUD03VA07				
GIUD03VA08				
GIUD03VA09				
GIFX01				

ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
GIFX02	(1113)	(
GIFX03				
GIFX04				
GIAF01				
GIAF02				
GIAF03				
GIAF04				
GIAF06				
GIAF07				
GIAD01IGDATA				
GIAD_02IGDATA				
GIAD_03IGDATA				
GIAD_04IGDATA				
GIFD01IGFB_DATA				
GIFD_02IGFB_DATA				
GIFD03				
GIFD04				
GIFD05				
GIFD06				
GIEC_01				
GIEC_02				
GIEC_03				
GIEC_04				
GIEC_05				
GIEC_12				
GISP_U01IG				
GISP_U02IG				
GISP_U03IG				
GISP_U04IG				
GISP_U05IG				
GISP_U06IG				
GISP_U07IG				

ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
GIAU_U01	(1,11)	(1,11.)		
GIAU_U02				
GIAU_U03				
GIAU_U04				
GIAU_U05				
GIAU_U06				
GIAU_U07				
GIUD_U01				
GIUD_U02				
GIUD_U03				
GIUD_U04				
GIUD_U05				
GIUD_U06				
GIUD_U07				
GIFX_U01				
GIFX_U02				
GIFX_U03				
GIFX_U04				
GIFX_U05				
GIFX_U06				
GIFX_U07				
GIAF_U01				
GIAF_U02				
GIAF_U03				
GIAF_U04				
GIAF_U05				
GIAF_U06				
GIAF_U07				
GIEC_U01				
GIEC_U02				
GISPSSCLIP01				
GISPSSCLIP02				

	ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
GI	SPSSCLIR01		, ,		
GI	SPSSCLIR02				
GI	SPSSCOLP01				
GI	SPSSCOLP02				
GI	SPSSCOLR01				
GI	SPSSCUG01				
GI	SPSSCUG02				
GI	_SPSSCUG03				
GI	_SPSSCUG04				
GI	SPSSCUG05				
GI	_SPSSCUG06				
GI	SPSSCUG07				
GI	_SPSSCUG08				
GI	SPSSCUG09				
GI	SPSSCUG10				
GI	_SPSSSUB01				
GI	SPSSSUB02				
GI	SPSSCFU01				
GI	SPSSCFU02				
GI	SPSSCFU03				
GI	SPSSCFU04				
GI	SPSSCFU05				
GI	SPSSCFB01				
GI	SPSSCFB02				
GI	SPSSCFB03				
GI	SPSSCFB04				
GI	SPSSCFB05				
GI	SPSSCFB06				
GI	SPSSCFB07				
GI	SPSSCFB08				
GI	SPSSCFB09				
GI	SPSSCFNR01				

ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
GISPSSCFNR02	(****)	(222)		
GISPSSCFNR03				
GISPSSCFNR04				
GISPSSCFNR05				
GISPSSCFNR06				
GISPSSCFNR07				
GISPSSCFNR08				
GISPSSCFNR09				
GISPSSHOLD01				
GISPSSHOLD02				
GISPSSCW01				
GISPSSCW02				
GISPSSUUS1i01				
GISPSSUUS1i02				
GISPSSUUS1i03				
GISPSSUUS1i04				
GISPSSUUS1i05				
GISPSSUUS1i06				
GISPSNTP01				
GISPSNTP02				
GISPSNMCID01				
GISPSNMCID02				
GISPSNMPTY01				
GISPSNMPTY02				
GISPSNMPTY03				
GISPSNMPTY04				
GISPSNMPTY05				
GISPSNMPTY06				
GISPSNMPTY07				
GISPSNMPTY08				
GISPSNMPTY09				
GISPSNMPTY10				
			_1	1

ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
GISPSNMPTY11		· · · · ·		
GISPSNECT01				
GISPSNECT02				
GISPSNECT03				
GISPSNECT04				
GISPSNCD01				
GISPSNCD02				
GISPSNCD03				
GISPSNCD04				
GISPSNCD05				
GISPSNCD06				
GISPSNCD07				
GISPSNCD08				
GISPSNCD09				
GISPSNCD10				
GISPSNCD11				
GISPSNCD12				
GISPSNCBS01				
GIUDSSCLIP01				
GIUDSSCLIP02				
GIUDSSCLIR01				
GIUDSSCOLP01				
GIUDSSCOLP02				
GIUDSSCOLR01				
GIUDSSCUG01				
GIUDSSCUG02				
GIUDSSCUG03				
GIUDSSCUG04				
GIUDSSCUG05				
GIUDSSCUG06				
GIUDSSCUG07				
GIUDSSCUG08				

ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
GIUDSSCUG09	(2022)	(222)		
GIUDSSCUG10				
GIUDSSSUB01				
GIUDSSSUB02				
GIUDSSCFU01				
GIUDSSCFU02				
GIUDSSCFU03				
GIUDSSCFU04				
GIUDSSCFU05				
GIUDSSCFB01				
GIUDSSCFB02				
GIUDSSCFB03				
GIUDSSCFB04				
GIUDSSCFB05				
GIUDSSCFB06				
GIUDSSCFB07				
GIUDSSCFB08				
GIUDSSCFB09				
GIUDSSCFNR01				
GIUDSSCFNR02				
GIUDSSCFNR03				
GIUDSSCFNR04				
GIUDSSCFNR05				
GIUDSSCFNR06				
GIUDSSCFNR07				
GIUDSSCFNR08				
GIUDSSCFNR09				
GIUDSSUUS1i01				
GIUDSSUUS1i02				
GIUDSSUUS1i03				
GIUDSSUUS1i04				
GIUDSSUUS1i05				

ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
GIUDSSUUS1i06		. ,		
GIUDSNCBS01				
GIUDSNCD01				
GIUDSNCD02				
GIUDSNCD03				
GIUDSNCD04				
GIUDSNCD05				
GIUDSNCD06				
GIUDSNCD07				
GIUDSNCD08				
GIUDSNCD09				
GIUDSNCD10				
GIUDSNCD11				
GIUDSNCD12				
GPSP01				
GPSP02				
GPSP03				
GPSP04				
GPSP05				
GPSP07				
GPAU01				
GPAU02				
GPAU03				
GPAU04				
GPFX01				
GPFX02				
GPFX_03				
GPAF01_FAXG3				
GPAF02_FAXG3				
GPAF03_FAXG3				
GPAF04_FAXG3				
GPEC_01				
				1

GP_EC_02 GP_EC_03 GP_EC_04 GP_EC_05 GP_EC_06 GP_EC_06 GP_EC_06 GP_EC_07 GP_EC_08 GP_EC_09 GP_SP_U01 GP_SP_U02 GP_SP_U03 GP_SP_U04 GP_AU_U01 GP_AU_U02 GP_AU_U03 GP_AU_U03 GP_AU_U04 GP_AU_U04 GP_AU_U04 GP_FX_U05 GP_FX_U06 GP_FX_U07 GP_FX_U07 GP_FX_U08 GP_FX_U09 GP_FX_U09	ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
GP_EC_04 GP_EC_05 GP_EC_06 GP_EC_06 GP_EC_07 GP_EC_08 GP_EC_09 GP_SP_U01 GP_SP_U02 GP_SP_U03 GP_SP_U04 GP_AU_U01 GP_AU_U02 GP_AU_U04 GP_AU_U04 GP_FX_U00 GP_FX_U00 GP_FX_U00 GP_FX_U01 GP_FX_U02 GP_FX_U01 GP_FX_U02 GP_FX_U03 GP_FX_U04 GP_FX_U05 GP_FX_U06 GP_FX_U07 GP_FX_U08 GP_FX_U08 GP_FX_U09 GP_FX_U09 GP_FX_U09 GP_FX_U09 GP_FX_U09 GP_FX_U09 GP_SPSSCLIP01 GP_SPSSCLIP02 GP_SPSSCLIR02 GP_SPSSCLIR02 GP_SPSSCLIR02 GP_SPSSCLIR02	GPEC_02	(1117)	(1,11,1)		
GP_EC_05 GP_EC_06 GP_EC_07 GP_EC_08 GP_EC_09 GP_SP_U01 GP_SP_U02 GP_SP_U03 GP_SP_U04 GP_AU_U01 GP_AU_U02 GP_AU_U04 GP_FX_U00 GP_FX_U00 GP_FX_U00 GP_FX_U00 GP_FX_U00 GP_FX_U01 GP_FX_U02 GP_FX_U01 GP_FX_U02 GP_FX_U03 GP_FX_U04 GP_FX_U05 GP_FX_U06 GP_FX_U07 GP_FX_U08 GP_AF_U04_FAXG3 GP_AF_U04_FAXG3 GP_UD_U01 GP_SPSSCLIR01 GP_SPSSCLIR02 GP_SPSSCLIR02 GP_SPSSCLIR02 GP_SPSSCLIR02 GP_SPSSCLIR02	GPEC_03				
GP_EC_06 GP_EC_07 GP_EC_08 GP_EC_09 GP_SP_U01 GP_SP_U02 GP_SP_U03 GP_SP_U04 GP_AU_U01 GP_AU_U02 GP_AU_U04 GP_AU_U04 GP_FX_U01 GP_FX_U02 GP_FX_U03 GP_FX_U04 GP_FX_U05 GP_FX_U06 GP_FX_U07 GP_FX_U07 GP_FX_U08 GP_AF_U08 GP_AF_U08 GP_AF_U08 GP_AF_U09 GP_AF_U09 GP_AF_U09 GP_SPSCUP01 GP_SPSSCLIP01 GP_SPSSCLIP02 GP_SPSSCLIR02 GP_SPSSCLIR02 GP_SPSSCLIR02 GP_SPSSCLIR02 GP_SPSSCLIR02 GP_SPSSCLIR02 GP_SPSSCLIR02 GP_SPSSCLIR02 GP_SPSSCLIR02	GPEC_04				
GP_EC_07 GP_EC_08 GP_EC_09 GP_SP_U01 GP_SP_U02 GP_SP_U03 GP_SP_U04 GP_AU_U01 GP_AU_U02 GP_AU_U03 GP_AU_U04 GP_FX_U04 GP_FX_U05 GP_FX_U06 GP_FX_U07 GP_FX_U07 GP_FX_U08 GP_AF_U08 GP_AF_U08 GP_AF_U08 GP_AF_U08 GP_AF_U09 GP_SPSCUP01 GP_SPSSCLIP01 GP_SPSSCLIR02	GPEC_05				
GP_EC_08 GP_EC_09 GP_SP_U01 GP_SP_U02 GP_SP_U03 GP_SP_U04 GP_AU_U01 GP_AU_U02 GP_AU_U03 GP_AU_U04 GP_FX_U04 GP_FX_U05 GP_FX_U06 GP_FX_U07 GP_FX_U07 GP_FX_U08 GP_FX_U09 GP_AF_U09 GP_SPSCLIP01 GP_SPSSCLIP02 GP_SPSSCLIR01 GP_SPSSCLIR02 GP_SPSSCLIR02 GP_SPSSCLIR02	GPEC_06				
GPEC_09 GPSP_U01 GPSP_U02 GPSP_U03 GPSP_U04 GPAU_U01 GPAU_U02 GPAU_U03 GPAU_U04 GPFX_U04 GPFX_U05 GPFX_U06 GPFX_U07 GPFX_U08 GPAF_U08 GPSPSSCLIP01 GPSPSSCLIP02 GPSPSSCLIR01 GPSPSSCLIR02 GPSPSSCLIR02 GPSPSSCLIR02	GPEC_07				
GPSP_U01 GPSP_U02 GPSP_U03 GPSP_U04 GPAU_U01 GPAU_U02 GPAU_U03 GPAU_U04 GPFX_U01 GPFX_U02 GPFX_U03 GPFX_U04 GPFX_U04 GPAF_U01_FAXG3 GPAF_U02_FAXG3 GPAF_U04_FAXG3 GPAF_U04_FAXG3 GPAF_U04_FAXG3 GPSPSSCLIP01 GPSPSSCLIP02 GPSPSSCLIR02 GPSPSSCLIR02 GPSPSSCLIR01	GPEC_08				
GPSP_U02 GPSP_U03 GPSP_U04 GPAU_U01 GPAU_U02 GPAU_U03 GPAU_U04 GPFX_U04 GPFX_U04 GPFX_U05 GPFX_U05 GPFX_U06 GPFX_U07 GPAF_U07 GPAF_U07 GPAF_U07 GPAF_U07 GPBFX_U07 GPSPSSCLIP01 GPSPSSCLIR01 GPSPSSCLIR02 GPSPSSCLIR02 GPSPSSCLIR01	GPEC_09				
GPSP_U03 GPSP_U04 GPAU_U01 GPAU_U02 GPAU_U03 GPAU_U04 GPFX_U01 GPFX_U02 GPFX_U03 GPFX_U03 GPAF_U01_FAXG3 GPAF_U02_FAXG3 GPAF_U02_FAXG3 GPAF_U04_FAXG3 GPAF_U0_U01 GPSPSSCLIP01 GPSPSSCLIP02 GPSPSSSCLIR01 GPSPSSSCLIR02 GPSPSSSCLIR01	GPSP_U01				
GPSP_U04 GPAU_U01 GPAU_U02 GPAU_U03 GPAU_U04 GPFX_U01 GPFX_U02 GPFX_U03 GPFX_U04 GPFX_U04 GPAF_U01_FAXG3 GPAF_U02_FAXG3 GPAF_U03_FAXG3 GPAF_U04_FAXG3 GPAF_U04_FAXG3 GPUD_U01 GPSPSSCLIP01 GPSPSSCLIP02 GPSPSSCLIR01 GPSPSSCLIR02 GPSPSSCLIR02 GPSPSSCLIR01	GPSP_U02				
GPAU_U01 GPAU_U02 GPAU_U03 GPAU_U04 GPFX_U01 GPFX_U02 GPFX_U03 GPFX_U04 GPFX_U04 GPAF_U01_FAXG3 GPAF_U02_FAXG3 GPAF_U02_FAXG3 GPAF_U04_FAXG3 GPAF_U04_FAXG3 GPDUD_U01 GPSPSSCLIP01 GPSPSSCLIP02 GPSPSSCLIR01 GPSPSSCLIR02 GPSPSSCLIR02 GPSPSSCLIR02	GPSP_U03				
GPAU_U02 GPAU_U03 GPAU_U04 GPFX_U01 GPFX_U02 GPFX_U03 GPFX_U04 GPAF_U01_FAXG3 GPAF_U02_FAXG3 GPAF_U04_FAXG3 GPAF_U04_FAXG3 GPDUD_U01 GPSPSSCLIP01 GPSPSSCLIP02 GPSPSSCLIR01 GPSPSSCLIR02 GPSPSSCLIR02 GPSPSSCOLR01	GPSP_U04				
GPAU_U03 GPAU_U04 GPFX_U01 GPFX_U02 GPFX_U03 GPFX_U04 GPAF_U01_FAXG3 GPAF_U02_FAXG3 GPAF_U03_FAXG3 GPAF_U04_FAXG3 GPUD_U01 GPEC_U01 GPSPSSCLIP01 GPSPSSCLIP02 GPSPSSCLIR01 GPSPSSCLIR02 GPSPSSCLIR02	GPAU_U01				
GPAU_U04 GPFX_U01 GPFX_U02 GPFX_U03 GPFX_U04 GPAF_U01_FAXG3 GPAF_U02_FAXG3 GPAF_U03_FAXG3 GPAF_U04_FAXG3 GPUD_U01 GPEC_U01 GPSPSSCLIP01 GPSPSSCLIP02 GPSPSSCLIR01 GPSPSSCLIR02 GPSPSSCLIR01	GPAU_U02				
GPFX_U02 GPFX_U03 GPFX_U04 GPAF_U01_FAXG3 GPAF_U02_FAXG3 GPAF_U03_FAXG3 GPAF_U04_FAXG3 GPUD_U01 GPEC_U01 GPSPSSCLIP01 GPSPSSCLIP02 GPSPSSCLIR01 GPSPSSCLIR02 GPSPSSCOLR01	GPAU_U03				
GPFX_U02 GPFX_U03 GPFX_U04 GPAF_U01_FAXG3 GPAF_U02_FAXG3 GPAF_U03_FAXG3 GPAF_U04_FAXG3 GPUD_U01 GPEC_U01 GPSPSSCLIP01 GPSPSSCLIP02 GPSPSSCLIR01 GPSPSSCLIR02 GPSPSSCOLR01	GPAU_U04				
GPFX_U03 GPFX_U04 GPAF_U01_FAXG3 GPAF_U02_FAXG3 GPAF_U03_FAXG3 GPAF_U04_FAXG3 GPUD_U01 GPSPSSCLIP01 GPSPSSCLIP02 GPSPSSCLIR01 GPSPSSCLIR02 GPSPSSCOLR01	GPFX_U01				
GPFX_U04 GPAF_U01_FAXG3 GPAF_U02_FAXG3 GPAF_U03_FAXG3 GPAF_U04_FAXG3 GPUD_U01 GPSPSSCLIP01 GPSPSSCLIP02 GPSPSSCLIR01 GPSPSSCLIR02 GPSPSSCOLR01	GPFX_U02				
GPAF_U01_FAXG3 GPAF_U02_FAXG3 GPAF_U03_FAXG3 GPAF_U04_FAXG3 GPUD_U01 GPEC_U01 GPSPSSCLIP01 GPSPSSCLIP02 GPSPSSCLIR01 GPSPSSCLIR02 GPSPSSCOLR01	GPFX_U03				
GPAF_U02_FAXG3 GPAF_U03_FAXG3 GPAF_U04_FAXG3 GPUD_U01 GPEC_U01 GPSPSSCLIP01 GPSPSSCLIP02 GPSPSSCLIR02 GPSPSSCLIR02 GPSPSSCOLR01	GPFX_U04				
GPAF_U03_FAXG3 GPAF_U04_FAXG3 GPUD_U01 GPEC_U01 GPSPSSCLIP01 GPSPSSCLIP02 GPSPSSCLIR01 GPSPSSCLIR02 GPSPSSCOLR01	GPAF_U01_FAXG3				
GPAF_U04_FAXG3 GPUD_U01 GPEC_U01 GPSPSSCLIP01 GPSPSSCLIP02 GPSPSSCLIR01 GPSPSSCLIR02 GPSPSSCLIR02	GPAF_U02_FAXG3				
GPUD_U01 GPEC_U01 GPSPSSCLIP01 GPSPSSCLIP02 GPSPSSCLIR01 GPSPSSCLIR02 GPSPSSCOLR01	GPAF_U03_FAXG3				
GPEC_U01 GPSPSSCLIP01 GPSPSSCLIP02 GPSPSSCLIR01 GPSPSSCLIR02 GPSPSSCOLR01	GPAF_U04_FAXG3				
GPSPSSCLIP01 GPSPSSCLIP02 GPSPSSCLIR01 GPSPSSCLIR02 GPSPSSCOLR01	GPUD_U01				
GPSPSSCLIP02 GPSPSSCLIR01 GPSPSSCLIR02 GPSPSSCOLR01	GPEC_U01				
GPSPSSCLIR01 GPSPSSCLIR02 GPSPSSCOLR01	GPSPSSCLIP01				
GPSPSSCLIR02 GPSPSSCOLR01	GPSPSSCLIP02				
GPSPSSCOLR01	GPSPSSCLIR01				
	GPSPSSCLIR02				
GPSPSSCUG01	GPSPSSCOLR01				
	GPSPSSCUG01				

GP_SPSSCUG02 GP_SPSSCFU01 GP_SPSSCFU02 GP_SPSSCFB01 GP_SPSSCFB02 GP_SPSSCFB02 GP_SPSSCFNR01 GP_SPSSCFNR02 GP_SPSNMCID01 GP_SPSNMCID01 GP_SPSNMCID02 GP_SPSNMTY00 GP_SPSNMPTY03 GP_SPSNMPTY04 GP_SPSNMPTY05 GP_SPSNMPTY06 GP_SPSNMPTY06 GP_SPSNMPTY07 GP_SPSNMPTY07 GP_SPSNMPTY08 GP_SPSNMPTY09 GP_SPSNMPTY09 GP_SPSNMPTY09 GP_SPSNMPTY09 GP_SPSNMPTY09 GP_SPSNMPTY01 GP_SPSNMPTY09 GP_SPSNMPTY09 GP_SPSNMPTY01 GP_SPSNMPTY01 GP_SPSNMSD01 GR_SP_01 GG_SP_02 GG_SP_03 GG_SP_04 GG_AU_03VA01 GG_AU_03VA02 GG_AU_03VA03 GG_AU_03VA04 GG_AU_03VA04	ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
GP_SPSSCFU02 GP_SPSSCFB01 GP_SPSSCFB02 GP_SPSSCFN02 GP_SPSSCFN02 GP_SPSSCFN02 GP_SPSNMCID01 GP_SPSNMCID02 GP_SPSNMTY00 GP_SPSNMPTY03 GP_SPSNMPTY03 GP_SPSNMPTY04 GP_SPSNMPTY06 GP_SPSNMPTY06 GP_SPSNMPTY07 GP_SPSNMPTY08 GP_SPSNMPTY09 GP_SPSNMPTY09 GP_SPSNMPTY09 GP_SPSNMPTY09 GP_SPSNMPTY09 GP_SPSNMPTY10 GP_SPSNMPTY00 GP_SPSNMPTY00	GPSPSSCUG02	(1113)	(/		
GP_SPSSCFB01 GP_SPSSCFN02 GP_SPSSCFN02 GP_SPSSCFN02 GP_SPSNMCID01 GP_SPSNMCID02 GP_SPSNMPTY01 GP_SPSNMPTY03 GP_SPSNMPTY03 GP_SPSNMPTY06 GP_SPSNMPTY06 GP_SPSNMPTY06 GP_SPSNMPTY07 GP_SPSNMPTY07 GP_SPSNMPTY09 GP_SPSNMPTY09 GP_SPSNMPTY10 GP_SPSNMPTY00 GP_SPSNMPT	GPSPSSCFU01				
GP_SPSSCFN01 GP_SPSSCFN01 GP_SPSSCFN02 GP_SPSSCFN02 GP_SPSNMCID01 GP_SPSNMCID02 GP_SPSNMPY01 GP_SPSNMPY03 GP_SPSNMPY03 GP_SPSNMPY04 GP_SPSNMPY06 GP_SPSNMPY06 GP_SPSNMPY07 GP_SPSNMPY07 GP_SPSNMPY09 GP_SPSNMPY09 GP_SPSNMPY09 GP_SPSNMPY09 GP_SPSNMPY01 GP_	GPSPSSCFU02				
GP_SPSSCFNR01 GP_SPSSCFNR02 GP_SPSNMCID01 GP_SPSNMCID02 GP_SPSNMPTY01 GP_SPSNMPTY02 GP_SPSNMPTY03 GP_SPSNMPTY03 GP_SPSNMPTY06 GP_SPSNMPTY06 GP_SPSNMPTY07 GP_SPSNMPTY07 GP_SPSNMPTY09 GP_SPSNMPTY09 GP_SPSNMPTY10 GP_SPSNMPTY11 GP_SPSNMPTY11 GP_SPSNMPTY11 GP_SPSNCBS01 GG_SP_01 GG_SP_02 GG_SP_03 GG_SP_04 GG_AU_01 GG_AU_03VA02 GG_AU_03VA03 GG_AU_03VA03 GG_AU_03VA04	GPSPSSCFB01				
GP_SPSSCFNR02 GP_SPSNMCID01 GP_SPSNMCID02 GP_SPSNMPTY01 GP_SPSNMPTY02 GP_SPSNMPTY03 GP_SPSNMPTY04 GP_SPSNMPTY06 GP_SPSNMPTY06 GP_SPSNMPTY07 GP_SPSNMPTY07 GP_SPSNMPTY09 GP_SPSNMPTY09 GP_SPSNMPTY10 GP_SPSNMPTY11 GP_SPSNMPTY11 GP_SPSNMPTY11 GP_SPSNMS01 GG_SP_01 GG_SP_02 GG_SP_03 GG_SP_04 GG_AU_01 GG_AU_02 GG_AU_03VA01 GG_AU_03VA02 GG_AU_03VA03 GG_AU_03VA04	GPSPSSCFB02				
GPSPSNMCID01 GPSPSNMCID02 GPSPSNMPTY01 GPSPSNMPTY02 GPSPSNMPTY03 GPSPSNMPTY04 GPSPSNMPTY05 GPSPSNMPTY06 GPSPSNMPTY06 GPSPSNMPTY07 GPSPSNMPTY08 GPSPSNMPTY09 GPSPSNMPTY10 GPSPSNMPTY10 GPSPSNMPTY11 GPSPSNMPTY11 GPSPSNMS01 GGSP01 GGSP02 GGSP03 GGSP04 GGAU01 GGAU02 GGAU03VA03 GGAU03VA03 GGAU03VA04	GPSPSSCFNR01				
GPSPSNMCID02 GPSPSNMPTY01 GPSPSNMPTY02 GPSPSNMPTY03 GPSPSNMPTY04 GPSPSNMPTY05 GPSPSNMPTY06 GPSPSNMPTY07 GPSPSNMPTY07 GPSPSNMPTY09 GPSPSNMPTY09 GPSPSNMPTY10 GPSPSNMPTY10 GPSPSNMPTY11 GPSPSNCBS01 GGSP01 GGSP02 GGSP03 GGSP04 GGAU01 GGAU02 GGAU03VA01 GGAU03VA03 GGAU03VA04	GPSPSSCFNR02				
GPSPSNMPTY01 GPSPSNMPTY03 GPSPSNMPTY04 GPSPSNMPTY05 GPSPSNMPTY06 GPSPSNMPTY07 GPSPSNMPTY08 GPSPSNMPTY09 GPSPSNMPTY10 GPSPSNMPTY10 GPSPSNMPTY11 GPSPSNCBS01 GGSP01 GGSP02 GGSP03 GGSP04 GGSP03 GGSP04 GGAU01 GGAU01 GGAU02 GGAU03VA03 GGAU03VA04	GPSPSNMCID01				
GPSPSNMPTY02 GPSPSNMPTY04 GPSPSNMPTY05 GPSPSNMPTY06 GPSPSNMPTY07 GPSPSNMPTY08 GPSPSNMPTY09 GPSPSNMPTY10 GPSPSNMPTY10 GPSPSNMPTY11 GPSPSNCBS01 GGSP01 GGSP02 GGSP03 GGSP04 GGSP04 GGAU01 GGAU02 GGAU01 GGAU03VA03 GGAU03VA04	GPSPSNMCID02				
GPSPSNMPTY03 GPSPSNMPTY04 GPSPSNMPTY05 GPSPSNMPTY06 GPSPSNMPTY07 GPSPSNMPTY08 GPSPSNMPTY09 GPSPSNMPTY10 GPSPSNMPTY10 GPSPSNMPTY11 GPSPSNCBS01 GGSP01 GGSP02 GGSP03 GGSP03 GGSP04 GGAU01 GGAU01 GGAU02 GGAU03VA01 GGAU03VA02 GGAU03VA03 GGAU03VA04	GPSPSNMPTY01				
GPSPSNMPTY05 GPSPSNMPTY06 GPSPSNMPTY06 GPSPSNMPTY07 GPSPSNMPTY08 GPSPSNMPTY09 GPSPSNMPTY10 GPSPSNMPTY10 GPSPSNMPTY11 GPSPSNCBS01 GGSP01 GGSP02 GGSP03 GGSP03 GGSP04 GGAU01 GGAU01 GGAU02 GGAU03VA01 GGAU03VA02 GGAU03VA03 GGAU03VA04	GPSPSNMPTY02				
GPSPSNMPTY06 GPSPSNMPTY06 GPSPSNMPTY07 GPSPSNMPTY08 GPSPSNMPTY09 GPSPSNMPTY10 GPSPSNMPTY11 GPSPSNCBS01 GGSP01 GGSP02 GGSP03 GGSP03 GGSP04 GGAU01 GGAU02 GGAU03VA01 GGAU03VA02 GGAU03VA03 GGAU03VA04	GPSPSNMPTY03				
GPSPSNMPTY06 GPSPSNMPTY07 GPSPSNMPTY08 GPSPSNMPTY09 GPSPSNMPTY10 GPSPSNMPTY11 GPSPSNCBS01 GGSP01 GGSP02 GGSP02 GGSP03 GGSP04 GGSP04 GGAU01 GGAU01 GGAU02 GGAU03VA01 GGAU03VA02 GGAU03VA03 GGAU03VA04	GPSPSNMPTY04				
GPSPSNMPTY08 GPSPSNMPTY09 GPSPSNMPTY10 GPSPSNMPTY11 GPSPSNCBS01 GGSP01 GGSP02 GGSP03 GGSP03 GGSP04 GGAU01 GGAU01 GGAU01 GGAU02 GGAU03VA01 GGAU03VA02 GGAU03VA03 GGAU03VA04	GPSPSNMPTY05				
GPSPSNMPTY09 GPSPSNMPTY10 GPSPSNMPTY11 GPSPSNCBS01 GGSP01 GGSP02 GGSP03 GGSP03 GGSP04 GGAU01 GGAU02 GGAU03VA01 GGAU03VA02 GGAU03VA03 GGAU03VA04	GPSPSNMPTY06				
GPSPSNMPTY10 GPSPSNMPTY11 GPSPSNCBS01 GGSP01 GGSP02 GGSP03 GGSP04 GGAU01 GGAU02 GGAU03VA01 GGAU03VA02 GGAU03VA03 GGAU03VA04	GPSPSNMPTY07				
GPSPSNMPTY11 GPSPSNMPTY11 GPSPSNCBS01 GGSP01 GGSP02 GGSP03 GGSP04 GGAU01 GGAU01 GGAU02 GGAU03VA01 GGAU03VA02 GGAU03VA03 GGAU03VA04	GPSPSNMPTY08				
GPSPSNMPTY11 GPSPSNCBS01 GGSP01 GGSP02 GGSP03 GGSP04 GGAU01 GGAU01 GGAU02 GGAU02 GGAU03VA01 GGAU03VA02 GGAU03VA04	GPSPSNMPTY09				
GPSPSNCBS01 GGSP01 GGSP02 GGSP03 GGSP04 GGAU01 GGAU01 GGAU02 GGAU03VA01 GGAU03VA02 GGAU03VA03 GGAU03VA04	GPSPSNMPTY10				
GGSP01 GGSP02 GGSP03 GGSP04 GGAU01 GGAU02 GGAU03VA01 GGAU03VA02 GGAU03VA03 GGAU03VA04	GPSPSNMPTY11				
GGSP02 GGSP03 GGSP04 GGAU01 GGAU02 GGAU03VA01 GGAU03VA02 GGAU03VA03 GGAU03VA04	GPSPSNCBS01				
GGSP03 GGSP04 GGAU01 GGAU02 GGAU03VA01 GGAU03VA02 GGAU03VA03 GGAU03VA04	GGSP01				
GGSP04 GGAU01 GGAU02 GGAU03VA01 GGAU03VA02 GGAU03VA02 GGAU03VA03	GGSP02				
GGAU01 GGAU02 GGAU03VA01 GGAU03VA02 GGAU03VA03 GGAU03VA04	GGSP03				
GGAU02 GGAU03VA01 GGAU03VA02 GGAU03VA03 GGAU03VA04	GGSP04				
GGAU03VA01 GGAU03VA02 GGAU03VA03 GGAU03VA04	GGAU01				
GGAU_03VA02 GGAU_03VA03 GGAU_03VA04	GGAU02				
GGAU_03VA03 GGAU_03VA04	GGAU03VA01				
GGAU_03VA04	GGAU03VA02				
	GGAU03VA03				
GGAU_03VA05	GGAU03VA04				
	GGAU_03VA05				

ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
GGAU03VA06	(suss)	(2222)		
GGAU03VA07				
GGAU03VA08				
GGAU_03VA09				
GGAU_04VA01				
GGAU_04VA02				
GGAU04VA03				
GGAU04VA04				
GGAU04VA05				
GGAU_04VA06				
GGAU04VA07				
GGAU04VA08				
GGAU04VA09				
GGUD01				
GGUD02				
GGUD_03VA01				
GGUD03VA02				
GGUD_03VA03				
GGUD_03VA04				
GGUD_03VA05				
GGUD03VA06				
GGUD_03VA07				
GGUD_03VA08				
GGUD_03VA09				
GGFX01				
GGFX02				
GGFX_03				
GGFX04				
GGAF_01_FAXG3				
GGAF_02_FAXG3				
GGAF_03_FAXG3				
GGAF_04_FAXG3				

ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
GGAF05_FAXG3				
GGAF_06_FAXG3				
GGAF07_FAXG3				
GGAF_08_FAXG3				
GGAF_09_FAXG3				
GGAF10_FAXG3				
GGAF11_FAXG3				
GGAF12_FAXG3				
GGAF13_FAXG3				
GGAF14_FAXG3				
GGAF15_FAXG3				
GGAF16_FAXG3				
GGAF17_FAXG3				
GGAF18_FAXG3				
GGAF19_FAXG3				
GGAF_20_FAXG3				
GGAD_01_DATA				
GGAD_02_DATA				
GGAD_03_DATA				
GGAD_04_DATA				
GGAD_05_DATA				
GGAD_06_DATA				
GGAD_07_DATA				
GGAD_08_DATA				
GGAD_09_DATA				
GGAD_10_DATA				
GGAD11_DATA				
GGAD_12_DATA				
GGAD_13_DATA				
GGAD14_DATA				
GGAD15_DATA				
GGAD_16_DATA				

GG_FD_01_FB_DATA GG_FD_02_FB_DATA GG_FD_03_FB_DATA GG_FD_04_FB_DATA GG_FD_04_FB_DATA GG_FD_06_FB_DATA GG_FD_06_FB_DATA GG_FD_07_FB_DATA GG_FD_07_FB_DATA GG_FD_09_FB_DATA GG_FD_09_FB_DATA GG_FD_10_FB_DATA GG_FD_10_FB_DATA GG_FD_11_FB_DATA GG_FD_11_FB_DATA GG_FD_11_FB_DATA GG_FD_11_FB_DATA GG_FD_11_FB_DATA GG_FD_16_FB_DATA GG_FD_	ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
GG_FD_03_FB_DATA GG_FD_04_FB_DATA GG_FD_05_FB_DATA GG_FD_05_FB_DATA GG_FD_05_FB_DATA GG_FD_07_FB_DATA GG_FD_08_FB_DATA GG_FD_09_FB_DATA GG_FD_09_FB_DATA GG_FD_10_FB_DATA GG_FD_11_FB_DATA GG_FD_	GGFD01_FB_DATA	(,	(2,22)		
GG_FD_04_FB_DATA GG_FD_05_FB_DATA GG_FD_06_FB_DATA GG_FD_06_FB_DATA GG_FD_08_FB_DATA GG_FD_08_FB_DATA GG_FD_08_FB_DATA GG_FD_10_FB_DATA GG_FD_11_FB_DATA GG_FD_11_FB_DATA GG_FD_11_FB_DATA GG_FD_11_FB_DATA GG_FD_11_FB_DATA GG_FD_11_FB_DATA GG_FD_11_FB_DATA GG_FD_10_FB_DATA GG_FD_10_FB_	GGFD_02_FB_DATA				
GG_FD_05_FB_DATA GG_FD_06_FB_DATA GG_FD_06_FB_DATA GG_FD_07_FB_DATA GG_FD_08_FB_DATA GG_FD_08_FB_DATA GG_FD_10_FB_DATA GG_FD_11_FB_DATA GG_FD_11_FB_DATA GG_FD_11_FB_DATA GG_FD_11_FB_DATA GG_FD_11_FB_DATA GG_FD_16_FB_DATA GG_FD_16_FB_DATA GG_PP_01 GG_PP_02 GG_PP_03 GG_PP_04 GG_SMS_SEND_DATA GG_SMS_SEND_DATA GG_SMS_SEND_DATA GG_SMS_SEND_SMMA GG_SP_U02 GG_SP_U03 GG_SP_U04 GG_SP_U05 GG_SP_U05 GG_SP_U06 GG_SP_U06 GG_SP_U07 GG_SP_U07	GGFD_03_FB_DATA				
GG_FD_06_FB_DATA GG_FD_07_FB_DATA GG_FD_08_FB_DATA GG_FD_09_FB_DATA GG_FD_09_FB_DATA GG_FD_10_FB_DATA GG_FD_10_FB_DATA GG_FD_11_FB_DATA GG_FD_11_FB_DATA GG_FD_11_FB_DATA GG_FD_11_FB_DATA GG_FD_14_FB_DATA GG_FD_15_FB_DATA GG_FD_16_FB_DATA GG_PP_01 GG_PP_02 GG_PP_03 GG_PP_04 GG_SMS_RECEIVE_DATA GG_SMS_RECEIVE_DATA GG_SMS_SEND_DATA GG_SMS_SEND_DATA GG_SP_U01 GG_SP_U02 GG_SP_U03 GG_SP_U04 GG_SP_U05 GG_SP_U06 GG_SP_U06 GG_SP_U06 GG_SP_U07 GG_SP_U07	GGFD_04_FB_DATA				
GGFD_07_FB_DATA GGFD_08_FB_DATA GGFD_09_FB_DATA GGFD_10_FB_DATA GGFD_10_FB_DATA GGFD_11_FB_DATA GGFD_11_FB_DATA GGFD_13_FB_DATA GGFD_14_FB_DATA GGFD_15_FB_DATA GGFD_16_FB_DATA GGPP_01 GGPP_02 GGPP_03 GGPP_04 GGSMS_RECEIVE_DATA GGSMS_SEND_DATA GGSMS_SEND_DATA GGSMS_SEND_SMMA GGSP_U01 GGSP_U02 GGSP_U03 GGSP_U04 GGSP_U05 GGSP_U06 GGSP_U06 GGSP_U07 GGSP_U08	GGFD05_FB_DATA				
GGFD_08_FB_DATA GGFD_09_FB_DATA GGFD_10_FB_DATA GGFD_11_FB_DATA GGFD_11_FB_DATA GGFD_11_FB_DATA GGFD_13_FB_DATA GGFD_15_FB_DATA GGFD_15_FB_DATA GGFD_16_FB_DATA GGPP_01 GGPP_02 GGPP_03 GGPP_04 GGSMS_RECEIVE_DATA GGSMS_SEND_DATA GGSMS_SEND_DATA GGSMS_SEND_SMMA GGSP_U01 GGSP_U02 GGSP_U03 GGSP_U04 GGSP_U05 GGSP_U06 GGSP_U07 GGSP_U08	GGFD_06_FB_DATA				
GGFD09_FB_DATA GGFD10_FB_DATA GGFD10_FB_DATA GGFD11_FB_DATA GGFD12_FB_DATA GGFD13_FB_DATA GGFD15_FB_DATA GGFD15_FB_DATA GGPP01 GGPP02 GGPP03 GGPP03 GGSMS_RECEIVE_DATA GGSMS_SEND_DATA GGSMS_SEND_DATA GGSMS_SEND_DATA GGSMS_SEND_DATA GGSMS_SEND_DATA GGSPU01 GGSPU02 GGSPU03 GGSPU04 GGSPU05 GGSPU06 GGSPU07 GGSPU08	GGFD_07_FB_DATA				
GGFD10_FB_DATA GGFD11_FB_DATA GGFD12_FB_DATA GGFD13_FB_DATA GGFD14_FB_DATA GGFD15_FB_DATA GGFD16_FB_DATA GGPP01 GGPP02 GGPP03 GGPP04 GGSMS_RECEIVE_DATA GGSMS_SEND_DATA GGSMS_SEND_DATA GGSMS_SEND_DATA GGSSP_U01 GGSP_U02 GGSP_U03 GGSP_U04 GGSP_U05 GGSP_U06 GGSP_U07 GGSP_U08	GGFD08_FB_DATA				
GGFD11_FB_DATA GGFD13_FB_DATA GGFD13_FB_DATA GGFD15_FB_DATA GGFD15_FB_DATA GGFD16_FB_DATA GGPP01 GGPP02 GGPP03 GGPP04 GGSMS_RECEIVE_DATA GGSMS_SEND_DATA GGSMS_SEND_DATA GGSMS_SEND_DATA GGSPU01 GGSPU02 GGSPU03 GGSPU06 GGSPU06 GGSPU07 GGSPU08	GGFD09_FB_DATA				
GGFD12_FB_DATA GGFD13_FB_DATA GGFD14_FB_DATA GGFD15_FB_DATA GGFD16_FB_DATA GGPP01 GGPP02 GGPP03 GGPP04 GGSMS_RECEIVE_DATA GGSMS_SEND_DATA GGSMS_SEND_DATA GGSMS_SEND_SMMA GGSP_U01 GGSP_U02 GGSP_U05 GGSP_U05 GGSP_U07 GGSP_U08	GGFD10_FB_DATA				
GGFD13_FB_DATA GGFD15_FB_DATA GGFD15_FB_DATA GGFD16_FB_DATA GGPP01 GGPP02 GGPP03 GGPP04 GGSMS_RECEIVE_DATA GGSMS_SEND_DATA GGSMS_SEND_DATA GGSMS_SEND_SMMA GGSPU01 GGSPU02 GGSPU05 GGSPU05 GGSPU06 GGSPU07 GGSPU08	GGFD11_FB_DATA				
GGFD14_FB_DATA GGFD15_FB_DATA GGFD16_FB_DATA GGPP01 GGPP02 GGPP03 GGPP04 GGSMS_RECEIVE_DATA GGSMS_SEND_DATA GGSMS_SEND_DATA GGSPU01 GGSPU02 GGSPU05 GGSPU05 GGSPU06 GGSPU07 GGSPU08	GGFD12_FB_DATA				
GGFD15_FB_DATA GGFD16_FB_DATA GGPP01 GGPP02 GGPP03 GGPP04 GGSMS_RECEIVE_DATA GGSMS_SEND_DATA GGSMS_SEND_DATA GGSP_U01 GGSP_U02 GGSP_U03 GGSP_U03 GGSP_U03 GGSP_U04 GGSP_U05 GGSP_U06 GGSP_U06 GGSP_U07 GGSP_U08	GGFD13_FB_DATA				
GGFD16_FB_DATA GGPP01 GGPP02 GGPP03 GGPP04 GGSMS_RECEIVE_DATA GGSMS_SEND_DATA GGSMS_SEND_DATA GGSP_U01 GGSP_U02 GGSP_U03 GGSP_U03 GGSP_U04 GGSP_U05 GGSP_U06 GGSP_U06 GGSP_U07 GGSP_U08	GGFD14_FB_DATA				
GGPP01 GGPP02 GGPP03 GGPP04 GGSMS_RECEIVE_DATA GGSMS_SEND_DATA GGSMS_SEND_SMMA GGSPU01 GGSPU02 GGSPU02 GGSPU04 GGSPU05 GGSPU06 GGSPU07 GGSPU08	GGFD15_FB_DATA				
GGPP02 GGPP03 GGPP04 GGSMS_RECEIVE_DATA GGSMS_SEND_DATA GGSMS_SEND_SMMA GGSP_U01 GGSP_U02 GGSP_U03 GGSP_U04 GGSP_U05 GGSP_U06 GGSP_U07 GGSP_U08	GGFD16_FB_DATA				
GGPP03 GGPP04 GGSMS_RECEIVE_DATA GGSMS_SEND_DATA GGSMS_SEND_SMMA GGSP_U01 GGSP_U02 GGSP_U03 GGSP_U04 GGSP_U05 GGSP_U06 GGSP_U06 GGSP_U07 GGSP_U08	GGPP01				
GGPP04 GGSMS_RECEIVE_DATA GGSMS_SEND_DATA GGSMS_SEND_SMMA GGSP_U01 GGSP_U02 GGSP_U03 GGSP_U04 GGSP_U05 GGSP_U06 GGSP_U06 GGSP_U07 GGSP_U08	GGPP02				
GGSMS_RECEIVE_DATA GGSMS_SEND_DATA GGSMS_SEND_SMMA GGSP_U01 GGSP_U02 GGSP_U03 GGSP_U04 GGSP_U05 GGSP_U05 GGSP_U06 GGSP_U07 GGSP_U08	GGPP_03				
GGSMS_SEND_DATA GGSMS_SEND_SMMA GGSP_U01 GGSP_U02 GGSP_U03 GGSP_U04 GGSP_U05 GGSP_U06 GGSP_U06 GGSP_U07 GGSP_U08	GGPP04				
GGSMS_SEND_SMMA GGSP_U01 GGSP_U02 GGSP_U03 GGSP_U04 GGSP_U05 GGSP_U06 GGSP_U06 GGSP_U07	GGSMS_RECEIVE_DATA				
GGSP_U01 GGSP_U02 GGSP_U03 GGSP_U04 GGSP_U05 GGSP_U06 GGSP_U07 GGSP_U08	GGSMS_SEND_DATA				
GGSP_U02 GGSP_U03 GGSP_U04 GGSP_U05 GGSP_U06 GGSP_U07	GGSMS_SEND_SMMA				
GGSP_U03 GGSP_U04 GGSP_U05 GGSP_U06 GGSP_U07 GGSP_U08	GGSP_U01				
GGSP_U04 GGSP_U05 GGSP_U06 GGSP_U07 GGSP_U08	GGSP_U02				
GGSP_U05 GGSP_U06 GGSP_U07 GGSP_U08	GGSP_U03				
GGSP_U06 GGSP_U07 GGSP_U08	GGSP_U04				
GGSP_U07 GGSP_U08	GGSP_U05				
GGSP_U08	GGSP_U06				
	GGSP_U07				
GGSP_U09	GGSP_U08				
	GGSP_U09				

GG_AU_U01 GG_AU_U02 GG_AU_U03 GG_AU_U04 GG_AU_U05 GG_AU_U05 GG_AU_U08 GG_AU_U09 GG_UD_U09 GG_UD_U02 GG_UD_U04 GG_UD_U05 GG_UD_U06 GG_UD_U06 GG_UD_U08 GG_UD_U09 GG_UD_U09 GG_UD_U09 GG_FX_U01 GG_FX_U01 GG_FX_U02 GG_FX_U03 GG_FX_U04 GG_FX_U05 GG_FX_U06 GG_FX_U06 GG_FX_U07 GG_FX_U08 GG_FX_U09 GG_FX_U09	ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
GGAU_U03 GGAU_U04 GGAU_U05 GGAU_U07 GGAU_U08 GGAU_U09 GGUD_U01 GGUD_U02 GGUD_U04 GGUD_U05 GGUD_U05 GGUD_U06 GGUD_U06 GGUD_U07 GGUD_U09 GGFX_U01 GGFX_U01 GGFX_U02 GGFX_U01 GGFX_U02 GGFX_U04 GGFX_U05 GGFX_U05 GGFX_U07 GGFX_U08 GGFX_U09 GGAF_U01_FAXG3 GGAF_U02_FAXG3 GGAF_U04_FAXG3 GGAF_U05_FAXG3 GGAF_U05_FAXG3 GGAF_U05_FAXG3 GGAF_U05_FAXG3	GGAU_U01	(2222)	(2222)		
GGAU_U04 GGAU_U05 GGAU_U07 GGAU_U08 GGAU_U09 GGUD_U01 GGUD_U02 GGUD_U03 GGUD_U04 GGUD_U05 GGUD_U06 GGUD_U06 GGUD_U07 GGUD_U09 GGFX_U01 GGFX_U02 GGFX_U01 GGFX_U02 GGFX_U03 GGFX_U04 GGFX_U05 GGFX_U05 GGFX_U06 GGFX_U07 GGFX_U08 GGFX_U09 GGFX_U09 GGAF_U05_FAXG3 GGAF_U05_FAXG3 GGAF_U05_FAXG3 GGAF_U05_FAXG3 GGAF_U05_FAXG3 GGAF_U05_FAXG3 GGAF_U05_FAXG3	GGAU_U02				
GGAU_U05 GGAU_U08 GGAU_U09 GGUD_U01 GGUD_U02 GGUD_U03 GGUD_U04 GGUD_U05 GGUD_U06 GGUD_U06 GGUD_U06 GGFX_U01 GGFX_U01 GGFX_U02 GGFX_U03 GGFX_U04 GGFX_U05 GGFX_U05 GGFX_U06 GGFX_U07 GGFX_U08 GGFX_U08 GGFX_U09 GGFX_U08 GGFX_U09 GGFX_U08 GGFX_U09 GGFX_U08 GGFX_U08 GGFX_U09 GGFX_U08 GGFX_U09 GGFX_U08 GGFX_U09 GGFX_U09 GGAF_U01_FAXG3 GGAF_U02_FAXG3 GGAF_U03_FAXG3 GGAF_U04_FAXG3 GGAF_U04_FAXG3 GGAF_U05_FAXG3 GGAF_U04_FAXG3 GGAF_U05_FAXG3	GGAU_U03				
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GGUD_U02 GGUD_U03 GGUD_U04 GGUD_U05 GGUD_U06 GGUD_U07 GGUD_U09 GGFX_U01 GGFX_U02 GGFX_U05 GGFX_U05 GGFX_U05 GGFX_U06 GGFX_U06 GGFX_U07 GGFX_U08 GGFX_U08 GGFX_U08 GGFX_U09 GGFX_U09 GGAF_U05_FAXG3 GGAF_U05_FAXG3 GGAF_U05_FAXG3 GGAF_U05_FAXG3 GGAF_U05_FAXG3 GGAF_U05_FAXG3	GGAU_U09				
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GGUD_U06 GGUD_U07 GGUD_U08 GGUD_U09 GGFX_U01 GGFX_U02 GGFX_U04 GGFX_U05 GGFX_U06 GGFX_U06 GGFX_U07 GGFX_U08 GGFX_U08 GGFX_U08 GGFX_U08 GGFX_U09 GGAF_U01_FAXG3 GGAF_U02_FAXG3 GGAF_U02_FAXG3 GGAF_U04_FAXG3 GGAF_U04_FAXG3 GGAF_U05_FAXG3	GGUD_U03				
GGUD_U07 GGUD_U08 GGUD_U09 GGFX_U01 GGFX_U02 GGFX_U03 GGFX_U05 GGFX_U05 GGFX_U06 GGFX_U06 GGFX_U07 GGFX_U08 GGFX_U08 GGFX_U08 GGAF_U01_FAXG3 GGAF_U02_FAXG3 GGAF_U02_FAXG3 GGAF_U04_FAXG3 GGAF_U04_FAXG3 GGAF_U04_FAXG3 GGAF_U05_FAXG3	GGUD_U04				
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GGFX_U01 GGFX_U02 GGFX_U03 GGFX_U04 GGFX_U05 GGFX_U06 GGFX_U07 GGFX_U09 GGFX_U09 GGAF_U01_FAXG3 GGAF_U02_FAXG3 GGAF_U03_FAXG3 GGAF_U04_FAXG3 GGAF_U04_FAXG3	GGUD_U08				
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GGFX_U05 GGFX_U06 GGFX_U07 GGFX_U08 GGFX_U09 GGAF_U01_FAXG3 GGAF_U02_FAXG3 GGAF_U03_FAXG3 GGAF_U04_FAXG3 GGAF_U05_FAXG3	GGFX_U03				
GGFX_U07 GGFX_U08 GGFX_U09 GGAF_U01_FAXG3 GGAF_U02_FAXG3 GGAF_U03_FAXG3 GGAF_U04_FAXG3 GGAF_U05_FAXG3	GGFX_U04				
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GGAF_U01_FAXG3 GGAF_U02_FAXG3 GGAF_U03_FAXG3 GGAF_U04_FAXG3 GGAF_U05_FAXG3	GGFX_U08				
GGAF_U02_FAXG3 GGAF_U03_FAXG3 GGAF_U04_FAXG3 GGAF_U05_FAXG3	GGFX_U09				
GGAF_U03_FAXG3 GGAF_U04_FAXG3 GGAF_U05_FAXG3	GGAF_U01_FAXG3				
GGAF_U04_FAXG3 GGAF_U05_FAXG3	GGAF_U02_FAXG3				
GGAF_U05_FAXG3	GGAF_U03_FAXG3				
	GGAF_U04_FAXG3				
GGAF_U06_FAXG3	GGAF_U05_FAXG3				
	GGAF_U06_FAXG3				

ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
GGAF_U07_FAXG3				
GGAF_U08_FAXG3				
GGAF_U09_FAXG3				
GGAF_U10_FAXG3				
GGAF_U11_FAXG3				
GGAF_U12_FAXG3				
GGAF_U13_FAXG3				
GGAF_U14_FAXG3				
GGAF_U15_FAXG3				
GGSPSSCLIP01				
GGSPSSCLIP02				
GGSPSSCLIR01				
GGSPSSCLIR02				
GGSPSSCOLP01				
GGSPSSCOLP02				
GGSPSSCOLR01				
GGSPSSCUG01				
GGSPSSCUG02				
GGSPSSCUG03				
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GGSPSSCUG20 GGSPSSCUG21 GGSPSSCUG22 GGSPSSCUG23 GGSPSSCUG24 GGSPSSCUG25 GGSPSSCUG25 GGSPSSCUG26 GGSPSSCUG27 GGSPSSCUG27 GGSPSSCUG27 GGSPSSSUB01 GGSPSSSUB01 GGSPSSCFU02 GGSPSSCFU02 GGSPSSCFU02 GGSPSSCFU02 GGSPSSCFN002 GGSPSSCFN002 GGSPSSCFN004 GGSPSSCFN004 GGSPSSCFNR001 GGSPSCFNR001 GGSPSCFNR001	GGSPSSCUG17				
GG_SPSSCUG20 GG_SPSSCUG22 GG_SPSSCUG23 GG_SPSSCUG24 GG_SPSSCUG25 GG_SPSSCUG26 GG_SPSSCUG27 GG_SPSSCUG27 GG_SPSSCUG27 GG_SPSSCUG27 GG_SPSSCUG29 GG_SPSSCUG29 GG_SPSSCFU01 GG_SPSSCFU01 GG_SPSSCFU02 GG_SPSSCFU02 GG_SPSSCFU02 GG_SPSSCFU02 GG_SPSSCFU04 GG_SPSSCFU04 GG_SPSSCFU05 GG_SPSSCFU06 GG_SPSCFU06 GG_SPSCF	GGSPSSCUG18				
GG_SPSSCUG22 GG_SPSSCUG23 GG_SPSSCUG24 GG_SPSSCUG25 GG_SPSSCUG25 GG_SPSSCUG27 GG_SPSSCUG27 GG_SPSSSUB01 GG_SPSSSUB02 GG_SPSSCFU01 GG_SPSSCFU02 GG_SPSSCFU02 GG_SPSSCFN002 GG_SPSSCFN002 GG_SPSSCFN001 GG_SPSSCFN002 GG_SPSSCFN002 GG_SPSSCFN003 GG_SPSSCFN003 GG_SPSSCFN004 GG_SPSSCFN004 GG_SPSSCFN004 GG_SPSSCFN005 GG_SPSSCFN006 GG_SPSCFN006 GG_SPSCFN006 GG	GGSPSSCUG19				
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GGSPSSHOLD06 GGSPSSCW01 GGSPSSCW02 GGSPSSUUS1i01 GGSPSSUUS1i02	GGSPSSHOLD04				
GGSPSSCW01 GGSPSSCW02 GGSPSSUUS1i01 GGSPSSUUS1i02	GGSPSSHOLD05				
GGSPSSCW02 GGSPSSUUS1i01 GGSPSSUUS1i02	GGSPSSHOLD06				
GGSPSSUUS1i01 GGSPSSUUS1i02	GGSPSSCW01				
GGSPSSUUS1i02	GGSPSSCW02				
	GGSPSSUUS1i01				
GGSPSSUUS1i03	GGSPSSUUS1i02				
	GGSPSSUUS1i03				

ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
GGSPSSUUS1i04		,		
GGSPSSUUS1i05				
GGSPSSUUS1i06				
GGSPSSMPTY01				
GGSPSSMPTY02				
GGSPSSMPTY03				
GGSPSSMPTY04				
GGSPSSMPTY05				
GGSPSSMPTY06				
GGSPSSMPTY07				
GGSPSSMPTY08				
GGSPSSMPTY09				
GGSPSSMPTY10				
GGSPSSMPTY11				
GGSPSSCBS01				
GGSPSSCBS02				
GGSPSSCBS03				
GGSPSNCUG_CFU01				
GGSPSNCUG_CFU02				
GGSPSNCUG_CFU03				
GGSPSNCUG_CFU04				
GGSPSNCUG_CFU05				
GGSPSNCFB_CW01				
GGSPSNCFB_CW02				
GGUDSSCLIP01				
GGUDSSCLIP02				
GGUDSSCLIR01				
GGUDSSCLIR02				
GGUDSSCOLP01				
GGUDSSCOLP02				
GGUDSSCOLR01				
GGUDSSCUG01				

GGUDSSCUG02 GGUDSSCUG03 GGUDSSCUG04	(Y/N)	(Y/N)	
GGUDSSCUG04			
GGUDSSCUG05			
GGUDSSCUG06			
GGUDSSCUG07			
GGUDSSCUG08			
GGUDSSCUG09			
GGUDSSCUG10			
GGUDSSCUG11			
GGUDSSCUG12			
GGUDSSCUG13			
GGUDSSCUG14			
GGUDSSCUG15			
GGUDSSCUG16			
GGUDSSCUG17			
GGUDSSCUG18			
GGUDSSCUG19			
GGUDSSCUG20			
GGUDSSCUG21			
GGUDSSCUG22			
GGUDSSCUG23			
GGUDSSCUG24			
GGUDSSCUG25			
GGUDSSCUG26			
GGUDSSCUG27			
GGUDSSSUB01			
GGUDSSSUB02			
GGUDSSCFU01			
GGUDSSCFU02			
GGUDSSCFB01			
GGUDSSCFB02			

ATS Reference	Selected ? (Y/N)	Run ? (Y/N)	Verdict	Observations
GGUDSSCFB03		` ,		
GGUDSSCFB04				
GGUDSSCFNRy01				
GGUDSSCFNRy02				
GGUDSSCFNRc01				
GGUDSSCFNRc02				
GGUDSSUUS1i01				
GGUDSSUUS1i02				
GGUDSSUUS1i03				
GGUDSSUUS1i04				
GGUDSSUUS1i05				
GGUDSSUUS1i06				
GGUDSSCBS01				
GGUDSSCBS02				
GGUDSSCBS03				
GGUDSNCUG_CFU01				
GGUDSNCUG_CFU03				
GGUDSNCUG_CFU04				
GGUDSNCUG_CFU05				
GGUDSNCUG_CFU06				
G_ERASE_ALL_CF				

Annex C (normative): Abstract Test Suite (ATS)

This ATS has been produced using the Tree and Tabular Combined Notation (TTCN) according to ISO/IEC 9646-3 [40].

The ATS was developed on a separate TTCN software tool and therefore the TTCN tables are not completely referenced in the table of contents. The ATS itself contains a test suite overview part which provides additional information and references.

C.1 The TTCN Graphical form (TTCN.GR)

The TTCN.GR representation of this ATS is contained in an Adobe Portable Document Format™ file (MINIT-53-CH01i_2plus.PDF contained in archive ts_10211302v010101p0.zip) which accompanies the present document.

C.2 The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to this ATS is contained in an ASCII file (MINIT-53-CH01i_2plus.MP contained in archive ts_10211302v010101p0.zip) which accompanies the present document.

NOTE: Where an ETSI Abstract Test Suite (in TTCN) is published in both .GR and .MP format these two forms shall be considered equivalent. In the event that there appears to be syntactical or semantic differences between the two then the problem shall be resolved and the erroneous format (whichever it is) shall be corrected.

Annex D (informative): Bibliography

ETSI ETS 300 083: "Integrated Services Digital Network (ISDN); Circuit mode structured bearer service category usable for speech information transfer; Terminal requirements for end-to-end compatibility".

ETSI ETS 300 084: "Integrated Services Digital Network (ISDN); Circuit mode structured bearer service category usable for 3,1 kHz audio information transfer; Terminal requirements necessary for end-to-end compatibility".

ETSI 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".

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

ETSI ETS 300 103: "Integrated Services Digital Network (ISDN); Support of CCITT Recommendation X.21, X.21 bis and X.20 bis based Data Terminal Equipments (DTEs) by an ISDN Synchronous and asynchronous terminal adaptation functions".

ETSI 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".

ETSI ETS 300 121 "Integrated Services Digital Network (ISDN); Application of the ISDN User Part (ISUP) of CCITT Signalling System No.7 for international ISDN interconnections (ISUP version 1)".

ETSI 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".

ETSI 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".

ETSI 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".

ETSI 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".

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EN 300 359-1: "ISDN Completion of Calls to Busy Subscriber (CCBS) supplementary service, DSS1 protocol".

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

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

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

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

ETSI EN 300 918: "Digital cellular telecommunications system (Phase 2+) (GSM); General on supplementary services (GSM 02.04)".

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

ETSI TS 100 514: "Digital cellular telecommunications system (Phase 2+) (GSM); Line identification Supplementary Services - Stage 1 (GSM 02.81)".

ETSI TS 100 515: "Digital cellular telecommunications system (Phase 2+) (GSM); Call Forwarding (CF) Supplementary Services - Stage 1 (GSM 02.82)".

ETSI TS 100 516: "Digital cellular telecommunications system (Phase 2+) (GSM); Call Waiting (CW) and Call Holding (HOLD); Supplementary Services - Stage 1 (GSM 02.83)".

ETSI TS 100 518: "Digital cellular telecommunications system (Phase 2+) (GSM); Closed User Group (CUG) Supplementary Services - Stage 1 (GSM 02.85)".

ETSI TS 100 520: "Digital cellular telecommunications system (Phase 2+) (GSM); Call Barring (CB) Supplementary Services - Stage 1 (GSM 02.88)".

ETSI TS 100 927: "Digital cellular telecommunications system (Phase 2+); Numbering, Addressing and Identification (3GPP TS 03.03 version 7.7.0 Release 1998)".

ETSI TS 100 524: "Digital cellular telecommunications system (Phase 2+) (GSM); Signalling requirements relating to routeing of calls to mobile subscribers (GSM 03.04)".

ETSI EN 300 928: "Digital cellular telecommunications system (Phase 2+) (GSM); Technical realization of Supplementary Services (GSM 03.11)".

ETSI TS 100 544: "Digital cellular telecommunications system (Phase 2+) (GSM); Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 2 (GSM 03.83)".

ETSI TS 100 546: "Digital cellular telecommunications system (Phase 2+) (GSM); Closed User Group (CUG) supplementary services - Stage 2; (GSM 03.85)".

ETSI TS 100 548: "Digital cellular telecommunications system (Phase 2+) (GSM); Call Barring (CB) supplementary services - Stage 2 (GSM 03.88)".

ETSITS 100 941: "Digital cellular telecommunications system (Phase 2+); Mobile radio interface layer 3; Supplementary services specification; General aspects (3GPP TS 04.10)".

ETSI EN 300 950: "European digital cellular telecommunications system (Phase 2); Mobile radio interface layer 3 supplementary services specification Formats and coding (GSM 04.80)".

ETSI TS 101 642 : "Digital cellular telecommunications system (Phase 2+); Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles (3GPP TS 08.02)".

ETSI TS 100 589 : "Digital cellular telecommunications system (Phase 2+); Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface (3GPP TS 08.06)".

ETSI TS 100 590: "Digital cellular telecommunications system (Phase 2+); Mobile-services Switching Centre - Base Station System (MSC - BSS) interface; Layer 3 specification (3GPP TS 08.08)".

ETSI TR 101 643: "Digital cellular telecommunications system (Phase 2+) (GSM); General network interworking scenarios (GSM 09.01)".

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

ETSI ETR 060: "Signalling Protocols and Switching (SPS); Guidelines for using Abstract Syntax Notation One (ASN.1) in telecommunication application protocols".

ETSI EG 201 018: "Integrated Services Digital Network (ISDN); Application of the Bearer Capability (BC), High Layer Compatibility (HLC) and Low Layer Compatibility (LLC) information elements by terminals supporting ISDN services".

ETSI TS 123 002 (V3.2.0): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Network architecture (3G TS 23.002 version 3.2.0 Release 1999)".

ETSI TS 122 034 (V3.1.0): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); High Speed Circuit Switched Data (HSCSD) - Stage 1 (3G TS 22.034 version 3.1.0 Release 1999)".

ETSI TS 122 060 (V3.2.0): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); General Packet Radio Service (GPRS); Service description; Stage 1 (3G TS 22.060 version 3.2.0 Release 1999)".

ETSI TS 122 072 (V3.0.1): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Deflection Service description - Stage 1 (3G TS 22.072 version 3.0.1 Release 1999)".

ETSI TS 122 078 (V3.2.0): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description - Stage 1 (3G TS 22.078 version 3.2.0 Release 1999)".

ETSI TS 122 081 (V3.1.0): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Line identification Suplementary Services; Stage 1 (3G TS 22.081 version 3.1.0 Release 1999)".

ETSI TS 122 082 (V3.0.1): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Forwarding (CF) supplementary services - Stage 1 (3G TS 22.082 version 3.0.1 Release 1999)".

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ETSI TS 122 084 (V3.0.1): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); MultiParty (MPTY) Supplementary Services - Stage 1 (3G TS 22.084 version 3.0.1 Release 1999)".

ETSI TS 122 085 (V3.1.0): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Closed User Group (CUG) Supplementary Services - Stage 1 (3G TS 22.085 version 3.1.0 Release 1999)".

ETSI TS 122 087 (V3.0.1): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); User-to-User Signalling (UUS); Service description - Stage 1 (3G TS 22.087 version 3.0.1 Release 1999)".

ETSI TS 122 088 (V3.0.1): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Barring (CB) Supplementary Services - Stage 1 (3G TS 22.088 version 3.0.1 Release 1999)".

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ETSI TS 123 081 (V3.0.0): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Line identification supplementary services - Stage 2 (3G TS 23.081 version 3.0.0 Release 1999)".

ETSI TS 123 082 (V3.1.0): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Forwarding (CF) supplementary services - Stage 2 (3G TS 23.082 version 3.1.0 Release 1999)".

ETSI TS 123 083 (V3.1.0): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Waiting (CW) and Call Hold (HOLD) supplementary services - Stage 2 (3G TS 23.083 version 3.1.0 Release 1999)".

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ETSI TS 123 086 (V3.0.0): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Advice of Charge (AoC) supplementary services - Stage 2 (3G TS 23.086 version 3.0.0 Release 1999)".

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ETSI TS 124 011 (V3.1.0): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Point-to-Point (PP) Short Message Service (SMS) support on mobile radio interface (3G TS 24.011 version 3.1.0 Release 1999)".

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ETSI TS 124 065 (V3.1.0): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP) (3G TS 24.065 version 3.1.0 Release 1999)".

ETSI TS 124 072 (V3.0.0): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Deflection (CD) Supplementary Service - Stage 3 (3G TS 24.072 version 3.0.0 Release 1999)".

ETSI TS 124 080 (V3.1.0): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Mobile radio interface layer 3 supplementary services specification; Formats and coding (3G TS 24.080 version 3.1.0 Release 1999)".

ETSI TS 124 081 (V3.0.0): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Line identification supplementary services - Stage 3 (3G TS 24.081 version 3.0.0 Release 1999)".

ETSI TS 124 082 (V3.0.0): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Forwarding (CF) supplementary services - Stage 3 (3G TS 24.082 version 3.0.0 Release 1999)".

ETSI TS 124 083 (V3.0.0): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Waiting (CW) and Call Hold (HOLD) supplementary services - Stage 3 (3G TS 24.083 version 3.0.0 Release 1999)".

ETSI TS 124 084 (V3.0.0): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Multi Party (MPTY) supplementary service - Stage 3 (3G TS 24.084 version 3.0.0 Release 1999)".

ETSI TS 124 085 (V3.0.0): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Closed User Group (CUG) supplementary service - Stage 3 (3G TS 24.085 version 3.0.0 Release 1999)".

ETSI TS 124 086 (V3.0.0): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Advice of Charge (AOC) supplementary services - Stage3 (3G TS 24.086 version 3.0.0 Release 1999)".

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ETSI TS 124 091 (V3.0.0): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Explicit Call Transfer (ECT) supplementary service - Stage 3 (3G TS 24.091 version 3.0.0 Release 1999)".

ETSI TS 124 093 (V3.0.0): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Completion of calls to Busy Subscriber (CCBS) - Stage 3 (3G TS 24.093 version 3.0.0 Release 1999)".

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History

Document history		
V1.1.1	March 2003	Publication