

**SLOVENSKI STANDARD**  
**SIST EN 383 001 V1.1.1:2006****01-september-2006**

---

**Telekomunikacijske in internetne storitve in protokoli za napredna omrežja (TISPAN) – Medsebojno delovanje med protokolom za začetek seje (SIP) in protokolom za od nosilca neodvisno krmiljenje klica (BICC) ali ISDN-uporabniškim delom (uporabniškim podsistemom integriranih storitev – ISUP) [priporočilo ITU-T Q.1912.5, spremenjeno]**

Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); Interworking between Session Initiation Protocol (SIP) and Bearer Independent Call Control (BICC) Protocol or ISDN User Part (ISUP) [ITU-T Recommendation Q.1912.5, modified]

[SIST EN 383 001 V1.1.1:2006](https://standards.iteh.ai/catalog/standards/sist/c22aee8a-b2bb-4512-b189-6a8da0717c5f/sist-en-383-001-v1-1-1-2006)

<https://standards.iteh.ai/catalog/standards/sist/c22aee8a-b2bb-4512-b189-6a8da0717c5f/sist-en-383-001-v1-1-1-2006>

**Ta slovenski standard je istoveten z: EN 383 001 Version 1.1.1**

---

**ICS:**

33.040.01	Telekomunikacijski sistemi na splošno	Telecommunication systems in general
33.080	Digitalno omrežje z integriranimi storitvami (ISDN)	Integrated Services Digital Network (ISDN)

**SIST EN 383 001 V1.1.1:2006****en**

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN 383 001 V1.1.1:2006

<https://standards.iteh.ai/catalog/standards/sist/c22ace8a-b2bb-4512-b189-6a8da0717c5f/sist-en-383-001-v1-1-1-2006>

# ETSI EN 383 001 V1.1.1 (2006-06)

---

*European Standard (Telecommunications series)*

## **Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); Interworking between Session Initiation Protocol (SIP) and Bearer Independent Call Control (BICC) Protocol or ISDN User Part (ISUP)**

[ITU-T Recommendation Q.1912.5, modified]

---

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN 383 001 V1.1.1:2006](https://standards.iteh.ai/catalog/standards/sist/c22ace8a-b2bb-4512-b189-6a8da0717c5f/sist-en-383-001-v1-1-1-2006)

<https://standards.iteh.ai/catalog/standards/sist/c22ace8a-b2bb-4512-b189-6a8da0717c5f/sist-en-383-001-v1-1-1-2006>



---

Reference

DEN/TISPAN-03008-NGN-R1

---

Keywords

endorsement, SIP, BICC, ISUP, interworking

**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

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN 383 001 V1.1.1:2006<https://standards.iteh.ai/catalog/standards/sist/c22ace8a-b2bb-4512-b189-6a8da071-7c33-413d-901e-v1-1-1-2006>**Important notice**

Individual copies of the present document can be downloaded from:

<http://www.etsi.org>

The present document may be made available in more than one electronic version or in print. In any case of existing or perceived difference in contents between such versions, the reference version is the Portable Document Format (PDF). In case of dispute, the reference shall be the printing on ETSI printers of the PDF version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status. Information on the current status of this and other ETSI documents is available at

<http://portal.etsi.org/tb/status/status.asp>

If you find errors in the present document, please send your comment to one of the following services:

[http://portal.etsi.org/chaicor/ETSI\\_support.asp](http://portal.etsi.org/chaicor/ETSI_support.asp)

---

**Copyright Notification**

No part may be reproduced except as authorized by written permission.  
The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 2006.  
All rights reserved.

**DECT™**, **PLUGTESTS™** and **UMTS™** are Trade Marks of ETSI registered for the benefit of its Members.  
**TIPHON™** and the **TIPHON logo** are Trade Marks currently being registered by ETSI for the benefit of its Members.  
**3GPP™** is a Trade Mark of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners.

---

## Contents

Intellectual Property Rights .....	4
Foreword.....	4
1 Scope .....	5
2 References .....	5
3 Definitions and abbreviations.....	7
Endorsement notice .....	7
Global modifications to ITU-T Recommendation Q.1912.5 .....	7
<b>Annex ZA (informative): Bibliography.....</b>	<b>28</b>
History .....	29

## iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN 383 001 V1.1.1:2006](https://standards.iteh.ai/catalog/standards/sist/c22ace8a-b2bb-4512-b189-6a8da0717c5f/sist-en-383-001-v1-1-1-2006)

<https://standards.iteh.ai/catalog/standards/sist/c22ace8a-b2bb-4512-b189-6a8da0717c5f/sist-en-383-001-v1-1-1-2006>

---

## Intellectual Property Rights

IPRs essential or potentially essential to the present document may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: "*Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards*", which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (<http://webapp.etsi.org/IPR/home.asp>).

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

---

## Foreword

This European Standard (Telecommunications series) has been produced by ETSI Technical Committee Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN).

<b>National transposition dates</b>	
Date of adoption of this EN:	26 May 2006
Date of latest announcement of this EN (doa):	31 August 2006
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	28 February 2007
Date of withdrawal of any conflicting National Standard (dow):	28 February 2007

[SIST EN 383 001 V1.1.1:2006](https://standards.iteh.ai/catalog/standards/sist/c22ace8a-b2bb-4512-b189-6a8da0717c5f/sist-en-383-001-v1-1-1-2006)

<https://standards.iteh.ai/catalog/standards/sist/c22ace8a-b2bb-4512-b189-6a8da0717c5f/sist-en-383-001-v1-1-1-2006>

## 1 Scope

The present document provides the ETSI endorsement of the ITU-T Recommendation Q.1912.5 [1].

ITU-T Recommendation Q.1912.5 [1] defines the signalling interworking between the Bearer Independent Call Control (BICC) or ISDN User Part (ISUP) protocols and SIP in order to support services that can be commonly supported by BICC or ISUP and SIP-based network domains.

The present document is applicable to ETSI PSTN/ISDN networks interworking with networks based on an IETF based SIP/SDP profile as defined in annex C of ITU-T Recommendation Q.1912.5 [1].

In the case where an IMS-based network interworks with the PSTN/ISDN, then the ETSI endorsement of 3GPP TS 29.163, in either ETSI TS 129 163 [29] and ETSI ES 283 027 as appropriate to the applicability of each document, takes precedence.

Formats, codes and procedures marked for national use or as network option are included for informative purposes for the international interface specification. If these items so marked are supported within a national network and operator's network, then it is proposed that they are supported in this manner.

## 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] ITU-T Recommendation Q.1912.5 (2004): "Interworking between Session Initiation Protocol (SIP) and Bearer Independent Call Control protocol or ISDN User Part".
- [2] ETSI EN 302 213 (V1.1.2): "Services and Protocols for Advanced Networks (SPAN); Bearer Independent Call Control (BICC) Capability Set 2 (CS2); Protocol specification [ITU-T Recommendations Q.1902.1, Q.1902.2, Q.1902.3, Q.1902.4, Q.1902.5, Q.1902.6, Q.765.5 Amendment 1, Q.1912.1, Q.1912.2, Q.1912.3, Q.1912.4, Q.1922.2, Q.1950, Q.1970, Q.1990, Q.2150.0, Q.2150.1, Q.2150.2, Q.2150.3, modified]".
- [3] ETSI EN 300 356-1 (V4.2.1): "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP) version 4 for the international interface; Part 1: Basic services [ITU-T Recommendations Q.761 to Q.764 (1999) modified]".
- [4] ETSI EN 300 356-3 (V4.2.1): "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP) version 4 for the international interface; Part 3: Calling Line Identification Presentation (CLIP) supplementary service [ITU-T Recommendation Q.731, clause 3 (1993) modified]".
- [5] ETSI EN 300 356-4 (V4.2.1): "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP) version 4 for the international interface; Part 4: Calling Line Identification Restriction (CLIR) supplementary service [ITU-T Recommendation Q.731, clause 4 (1993) modified]".
- [6] ETSI EN 300 356-5 (V4.1.2): "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP) version 4 for the international interface; Part 5: Connected Line Identification Presentation (COLP) supplementary service [ITU-T Recommendation Q.731, clause 5 (1993) modified]".

- [7] ETSI EN 300 356-6 (V4.1.2): "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP) version 4 for the international interface; Part 6: Connected Line Identification Restriction (COLR) supplementary service [ITU-T Recommendation Q.731, clause 6 (1993) modified]".
- [8] ETSI EN 300 356-7 (V4.1.2): "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP) version 4 for the international interface; Part 7: Terminal Portability (TP) supplementary service [ITU-T Recommendation Q.733, clause 4 (1993) modified]".
- [9] ETSI EN 300 356-8 (V4.1.2): "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP) version 4 for the international interface; Part 8: User-to-User Signalling (UUS) supplementary service [ITU-T Recommendation Q.737, clause 1 (1997) modified]".
- [10] ETSI EN 300 356-9 (V4.1.2): "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP) version 4 for the international interface; Part 9: Closed User Group (CUG) supplementary service [ITU-T Recommendation Q.735, clause 1 (1993) modified]".
- [11] ETSI EN 300 356-10 (V4.1.2): "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP) version 4 for the international interface; Part 10: Subaddressing (SUB) supplementary service [ITU-T Recommendation Q.731, clause 8 (1992) modified]".
- [12] ETSI EN 300 356-11 (V4.1.2): "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP) version 4 for the international interface; Part 11: Malicious Call Identification (MCID) supplementary service [ITU-T Recommendation Q.731, clause 7 (1997) modified]".
- [13] ETSI EN 300 356-12 (V4.2.1): "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP) version 4 for the international interface; Part 12: Conference call, add-on (CONF) supplementary service [ITU-T Recommendation Q.734, clause 1 (1993) and implementors guide (1998) modified]".
- [14] ETSI EN 300 356-14 (V4.2.1): "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP) version 4 for the international interface; Part 14: Explicit Call Transfer (ECT) supplementary service [ITU-T Recommendation Q.732, clause 7 (1996) and implementors guide (1998) modified]".
- [15] ETSI EN 300 356-15 (V4.2.1): "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP) version 4 for the international interface; Part 15: Diversion supplementary service [ITU-T Recommendation Q.732, clauses 2 to 5 (1999) modified]".
- [16] ETSI EN 300 356-16 (V4.1.2): "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP) version 4 for the international interface; Part 16: Call Hold (HOLD) supplementary service [ITU-T Recommendation Q.733, clause 2 (1993) modified]".
- [17] ETSI EN 300 356-17 (V4.1.2): "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP) version 4 for the international interface; Part 17: Call Waiting (CW) supplementary service [ITU-T Recommendation Q.733, clause 1 (1992) modified]".
- [18] ETSI EN 300 356-18 (V4.1.2): "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP) version 4 for the international interface; Part 18: Completion of Calls to Busy Subscriber (CCBS) supplementary service [ITU-T Recommendation Q.733, clause 3 (1997) modified]".
- [19] ETSI EN 300 356-19 (V4.2.1): "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP) version 4 for the international interface; Part 19: Three-Party (3PTY) supplementary service [ITU-T Recommendation Q.734, clause 2 (1996) and implementors guide (1998) modified]".



- [20] ETSI EN 300 356-20 (V4.3.1): "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP) version 4 for the international interface; Part 20: Completion of Calls on No Reply (CCNR) supplementary service [ITU-T Recommendation Q.733, clause 5 (1999) modified]".
- [21] ETSI EN 300 356-21: "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP) version 4 for the international interface; Part 21: Anonymous Call Rejection (ACR) supplementary service [ITU-T Recommendation Q.731, clause 4 (1993)]".
- [22] ETSI EN 300 485 (V1.2.3): "Integrated Services Digital Network (ISDN); Definition and usage of cause and location in Digital Subscriber Signalling System No. one (DSS1) and Signalling System No.7 ISDN User Part (ISUP) [ITU-T Recommendation Q.850 (1998), modified]".
- [23] IETF RFC 3261 (2002): "SIP: Session Initiation Protocol".
- [24] IETF RFC 3264 (2002): "An Offer/Answer Model with Session Description Protocol (SDP)".
- [25] IETF RFC 3323 (2002): "A Privacy Mechanism for the Session Initiation Protocol (SIP)".
- [26] ITU-T Recommendation T.38: "Procedures for real-time Group 3 facsimile communication over IP networks".
- [27] IETF RFC 4040 (2005): "RTP Payload Format for a 64 kbit/s Transparent Call".
- [28] IETF RFC 3966 (2004): "The tel URI for Telephone Numbers".
- [29] ETSI TS 129 163: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks (3GPP TS 29.163)".

IT'S STANDARD PREVIEW  
(standards.itech.ai)

### 3 Definitions and abbreviations

SIST EN 383 001 V1.1.1:2006

For the purposes of the present document, the terms, definitions and abbreviations given in [1] apply.

6a8da0717c5f/sist-en-383-001-v1-1-1-2006

### Endorsement notice

The elements of ITU-T Recommendation Q.1912.5 [1] apply, with the following modifications:

NOTE: Underlining and/or strike-out are used to highlight detailed modifications where necessary.

### Global modifications to ITU-T Recommendation Q.1912.5

Throughout the text of ITU-T Recommendation Q.1912.5

Replace references as shown below.

Reference in ITU-T Recommendation Q.1912.5 [1]	Modified reference
ITU-T Recommendation Q.731.3	ITU-T Recommendation Q.731.3 as modified by EN 300 356-3 [4]
ITU-T Recommendation Q.731.4	ITU-T Recommendation Q.731.4 as modified by EN 300 356-4 [5]
ITU-T Recommendation Q.731.5	ITU-T Recommendation Q.731.5 as modified by EN 300 356-5 [6]
ITU-T Recommendation Q.731.6	ITU-T Recommendation Q.731.6 as modified by EN 300 356-6 [7]
ITU-T Recommendation Q.731.7	ITU-T Recommendation Q.731.7 as modified by EN 300 356-11 [12]
ITU-T Recommendation Q.731.8	ITU-T Recommendation Q.731.8 as modified by EN 300 356-10 [11]
ITU-T Recommendation Q.732.2	ITU-T Recommendation Q.732.2 as modified by EN 300 356-15 [15]
ITU-T Recommendation Q.732.3	ITU-T Recommendation Q.732.3 as modified by EN 300 356-15 [15]
ITU-T Recommendation Q.732.4	ITU-T Recommendation Q.732.4 as modified by EN 300 356-15 [15]
ITU-T Recommendation Q.732.5	ITU-T Recommendation Q.732.5 as modified by EN 300 356-15 [15]
ITU-T Recommendation Q.732.7	ITU-T Recommendation Q.732.7 as modified by EN 300 356-14 [14]

Reference in ITU-T Recommendation Q.1912.5 [1]	Modified reference
ITU-T Recommendation Q.733.1	ITU-T Recommendation Q.733.1 as modified by EN 300 356-17 [17]
ITU-T Recommendation Q.733.2	ITU-T Recommendation Q.733.2 as modified by EN 300 356-16 [16]
ITU-T Recommendation Q.733.3	ITU-T Recommendation Q.733.3 as modified by EN 300 356-18 [18]
ITU-T Recommendation Q.733.4	ITU-T Recommendation Q.733.4 as modified by EN 300 356-7 [8]
ITU-T Recommendation Q.733.5	ITU-T Recommendation Q.733.5 as modified by EN 300 356-20 [20]
ITU-T Recommendation Q.734.1	ITU-T Recommendation Q.734.1 as modified by EN 300 356-12 [13]
ITU-T Recommendation Q.734.2	ITU-T Recommendation Q.734.2 as modified by EN 300 356-19 [19]
ITU-T Recommendation Q.735.1	ITU-T Recommendation Q.735.1 as modified by EN 300 356-9 [10]
ITU-T Recommendation Q.737.1	ITU-T Recommendation Q.737.1 as modified by EN 300 356-8 [9]
ITU-T Recommendation Q.761	ITU-T Recommendation Q.761 as modified by EN 300 356-1 [3]
ITU-T Recommendation Q.762	ITU-T Recommendation Q.762 as modified by EN 300 356-1 [3]
ITU-T Recommendation Q.763	ITU-T Recommendation Q.763 as modified by EN 300 356-1 [3]
ITU-T Recommendation Q.764	ITU-T Recommendation Q.764 as modified by EN 300 356-1 [3]
ITU-T Recommendation Q.850	ITU-T Recommendation Q.850 as modified by EN 300 485 [22]
ITU-T Recommendation Q.1902.1	ITU-T Recommendation Q.1902.1 as modified by EN 302 213 [2]
ITU-T Recommendation Q.1902.2	ITU-T Recommendation Q.1902.2 as modified by EN 302 213 [2]
ITU-T Recommendation Q.1902.3	ITU-T Recommendation Q.1902.3 as modified by EN 302 213 [2]
ITU-T Recommendation Q.1902.4	ITU-T Recommendation Q.1902.4 as modified by EN 302 213 [2]
ITU-T Recommendation Q.1912.5 [1]	ITU-T Recommendation Q.1912.5 [1] as modified by the present document
IETF RFC 2806	IETF RFC 3966 [28]. NOTE: RFC 2806 is obsolete. RFC 3966 [28] replaces RFC 2806.

## General

Throughout the present document "should" is replaced by "shall".

**iTeh STANDARD PREVIEW**  
(standards.iteh.ai)

## Clause 1

Modify 1<sup>st</sup> paragraph after Figure 2:

[SIST EN 383 001 V1.1.1:2006](https://standards.iteh.ai/catalog/standards/sist/c22ace8a-b2bb-4512-b189-)

<https://standards.iteh.ai/catalog/standards/sist/c22ace8a-b2bb-4512-b189->

ITU-T Supplement 45 to Q-series Recommendations (TRQ.2815) specifies the set of common capabilities supported by the interworking between SIP and BICC/ISUP for three different profiles (A, B, and C) in forms of Tables. Tables 1 and 2 of Supplement 45 (TRQ.2815) specify interworking capabilities for Profile A, Tables 3 and 4 specify interworking capabilities for Profile B, and Tables 5 and 6 specify interworking capabilities for Profile C (SIP-I), respectively. The details on the capabilities supported by the different profiles, and all profiles in common, are shown in clause C.1.1.2.

NOTE: The profiles A,B and C are described within Annex C.1

## Clause 5.3.3

Modify 1<sup>st</sup> paragraph:

This Recommendation provides the interworking procedures for the case when overlap signalling is propagated into the SIP network and the case where overlap signalling is converted to *en bloc* signalling at the O-IWU. Additionally, procedures are outlined (in clause 6) to address situations where overlap signalling is received on the SIP side of the I-IWU. While this Recommendation covers procedures for propagating overlap signalling across the SIP network, it is recommended that SIP *en bloc* signalling is used, i.e. the use of overlap signalling within the SIP network should be avoided. Thus, the preferred scenario is to convert ISUP overlap signalling to SIP *en bloc* signalling at the O-IWU. Nevertheless, the decision regarding how to configure a particular IWU with respect to overlap signalling is a matter of local policy/network configuration.

**Clause 6.1.3.1**

Modify Table 3:

**Table 3/Q.1912.5 - Coding of the Called Party Number**

INVITE→	IAM→
Request-URI	Called Party Number
	Odd/even indicator: set as required
	Nature of address indicator: Analyse the information contained in received URI with user=phone, and if it is in the format:- <b>+CC NDC SN</b> where CC is the country code of the network in which the next hop terminates, then set Nature of Address indicator to 0 0 0 0 1 1 "National (significant) number", remove "+CC" and use the remaining digits to fill the Address signals. <b>+CC NDC SN</b> where CC is not the country code of the network in which the next hop terminates, then set Nature of Address indicator to 0 0 0 1 0 0 "International number", remove "+" and use the remaining digits to fill the Address signals.
	Internal Network Number Indicator: 1 – routing to internal network number not allowed
	Numbering plan Indicator: 001 ISDN (telephony) numbering plan (Rec. E.164)
userinfo (sip: URI with user=phone)	Address Signals
NOTE: RFC 3966 [28] describes the tel format of a userportion.	

**Clause 6.1.3.3**Modify 2<sup>nd</sup> paragraph:

Other fields in the Nature of Connection Indicators should follow the current BICC/ISUP Recommendation.

**Clause 6.1.3.4**Replace 3<sup>rd</sup> and 4<sup>th</sup> paragraphs:

For Profile A and B, the following mapping shall apply: indicator values in Table 5 should be set by the I-IWU as default in the FCI parameter:

**Table 5/Q.1912.5 – Default values for Forward Call Indicators**

Bits	Codes	Meaning
<b>D</b>	<b>4</b>	"Interworking encountered".
<b>F</b>	<b>0</b>	"ISDN user part/BICC not used all the way".
<b>HG</b>	<b>01</b>	"ISDN user part/BICC not required all the way"
<b>I</b>	<b>0</b>	"Originating access non-ISDN"

For Profile B, the appropriate values of the FCI parameter are determined based on analysis of various parameters (from signalling, internal states or configuration) at the I-IWU.

Forward call indicatorsBit A National/International call indicator0 Call to be treated as a national call1 Call to be treated as a international callbits CB End-to-end method indicator0 0 no end-to-end method available (only link-by-link method available)bit D Interworking indicator1 interworking encounteredAs a network operator option, the value D = 0 "No interworking encountered" is used in case where the TMR = 64 kBit/s unrestricted is used.NOTE: This will allow the DSS1 protocol at the S/T interface to avoid sending a Progress indicator with Progress information 0 0 0 0 0 0 1 [1]. "Call is not end-to-end ISDN; further call progress information may be available in band ", so the call will not be released for that reason at an ISDN terminal.bit E End-to-end information indicator (national use)0 no end-to-end information availablebit F ISDN user part/BICC indicator0 ISDN user part/BICC not used all the wayAs a network operator option, the value F = 1 "ISDN user part/BICC used all the way" is used in case where the TMR = 64 kBit/s unrestricted is used.NOTE: This will allow the DSS1 protocol at the S/T interface to avoid sending a Progress indicator with Progress information 0 0 0 0 0 0 1 [1]. "Call is not end-to-end ISDN; further call progress information may be available in band ", so the call will not be released for that reason at an ISDN terminal.bits HG ISDN user part/BICC preference indicator0 1 ISDN user part/BICC not required all the waybit I ISDN access indicator0 originating access non-ISDNAs a network operator option, the value I = 1 "originating access ISDN" is used in case where the TMR = 64 kBit/s unrestricted is used.NOTE: This will allow the DSS1 protocol at the S/T interface to avoid sending a Progress indicator with Progress information 0 0 0 0 0 1 1 [3] "Originating access is non-ISDN", so the call will not be released for that reason at an ISDN terminal.bits KJ SCCP method indicator