



SLOVENSKI STANDARD
SIST-V ETSI/EG 201 817 V1.1.1:2003
01-november-2003

**Digitalno omrežje z integriranimi storitvami (ISDN) - Vzajemno vplivanje
dopolnilnih storitev**

Integrated Services Digital Network (ISDN) - Supplementary service interactions

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Ta slovenski standard je istoveten z: EG 201 817 Version 1.1.1

<https://standards.iteh.ai/catalog/standards/sist/9ce5fb9b-ca2b-4ad6-a25b-6c06f986f99b/sist-v-etsi-eg-201-817-v1-1-1-2003>

ICS:

33.080	Digitalno omrežje z integriranimi storitvami (ISDN)	Integrated Services Digital Network (ISDN)
--------	---	---

SIST-V ETSI/EG 201 817 V1.1.1:2003 **en**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST-V ETSI/EG 201 817 V1.1.1:2003](https://standards.iteh.ai/catalog/standards/sist/9ce5fb9b-ca2b-4ad6-a25b-6c06f986f99b/sist-v-etsi-eg-201-817-v1-1-1-2003)

<https://standards.iteh.ai/catalog/standards/sist/9ce5fb9b-ca2b-4ad6-a25b-6c06f986f99b/sist-v-etsi-eg-201-817-v1-1-1-2003>

ETSI EG 201 817 V1.1.1 (2000-09)

ETSI Guide

Integrated Services Digital Network (ISDN); Supplementary service interactions

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST-V ETSI/EG 201 817 V1.1.1:2003](https://standards.iteh.ai/catalog/standards/sist/9ce5fb9b-ca2b-4ad6-a25b-6c06f986f99b/sist-v-etsi-eg-201-817-v1-1-1-2003)

<https://standards.iteh.ai/catalog/standards/sist/9ce5fb9b-ca2b-4ad6-a25b-6c06f986f99b/sist-v-etsi-eg-201-817-v1-1-1-2003>



Reference

DEG/SPAN-020083

Keywords

ISDN, supplementary service, interaction

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-V ETSI/EG 201 817 V1.1.1:2003<https://standards.iteh.ai/catalog/standards/sist/9ce5fb9b-ca2b-4ad6-a25b-6c06f986f99b/sist-v-etsi-eg-201-817-v1-1-1-2003>

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://www.etsi.org/tb/status/>

If you find errors in the present document, send your comment to:
editor@etsi.fr

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 2000.
All rights reserved.

Contents

Intellectual Property Rights	8
Foreword.....	8
Introduction	8
1 Scope	9
2 References	9
3 Definitions and abbreviations.....	10
3.1 Definitions	10
3.2 Abbreviations	13
4 Description of supplementary service interactions.....	14
4.1 The AOC-D and AOC-E supplementary services	15
4.2 The AOC-S and CCBS supplementary services.....	15
4.3 The AOC-D and CCBS supplementary services	15
4.4 The AOC-E and CCBS supplementary services	15
4.5 The CCBS and CCBS supplementary services	15
4.6 The AOC-S and CCNR supplementary services	15
4.7 The AOC-D and CCNR supplementary services	15
4.8 The AOC-E and CCNR supplementary services.....	15
4.9 The CCBS and CCNR supplementary services.....	15
4.10 The CCNR and CCNR supplementary services.....	16
4.11 The AOC-S and CD supplementary services	16
4.12 The AOC-D and CD supplementary services.....	16
4.13 The AOC-E and CD supplementary services	16
4.14 The CCBS and CD supplementary services.....	17
4.15 The CCNR and CD supplementary services.....	17
4.16 The AOC-S and CFB supplementary services.....	17
4.17 The AOC-D and CFB supplementary services.....	18
4.18 The AOC-E and CFB supplementary services.....	18
4.19 The CCBS and CFB supplementary services	18
4.20 The CCNR and CFB supplementary services	19
4.21 The CD and CFB supplementary services.....	19
4.22 The AOC-S and CFNR supplementary services	19
4.23 The AOC-D and CFNR supplementary services.....	19
4.24 The AOC-E and CFNR supplementary services	19
4.25 The CCBS and CFNR supplementary services	20
4.26 The CCNR and CFNR supplementary services.....	20
4.27 The CD and CFNR supplementary services.....	20
4.28 The AOC-S and CFU supplementary services	21
4.29 The AOC-D and CFU supplementary services	21
4.30 The AOC-E and CFU supplementary services.....	21
4.31 The CCBS and CFU supplementary services.....	21
4.32 The CCNR and CFU supplementary services	22
4.33 The CD and CFU supplementary services	22
4.34 The CFB and CFU supplementary services	22
4.35 The CFNR and CFU supplementary services.....	22
4.36 The CCNR and CLIP supplementary services	22
4.37 The CD and CLIP supplementary services.....	22
4.38 The CFB and CLIP supplementary services.....	22
4.39 The CFNR and CLIP supplementary services.....	23
4.40 The CFU and CLIP supplementary services	23
4.41 The CCNR and CLIR supplementary services.....	23
4.42 The CD and CLIR supplementary services	23
4.43 The CFB and CLIR supplementary services	23
4.44 The CFNR and CLIR supplementary services	23

4.45	The CFU and CLIR supplementary services	23
4.46	The CLIP and CLIR supplementary services	23
4.47	The CD and COLP supplementary services	24
4.48	The CFB and COLP supplementary services	24
4.49	The CFNR and COLP supplementary services	24
4.50	The CFU and COLP supplementary services	24
4.51	The CD and COLR supplementary services	24
4.52	The CFB and COLR supplementary services	25
4.53	The CFNR and COLR supplementary services	25
4.54	The CFU and COLR supplementary services	25
4.55	The COLP and COLR supplementary services	25
4.56	The AOC-S and CONF supplementary services	25
4.57	The AOC-D and CONF supplementary services	26
4.58	The AOC-E and CONF supplementary services	27
4.59	The CCBS and CONF supplementary services	28
4.60	The COLP and CONF supplementary services	28
4.61	The CONF and CONF supplementary services	28
4.62	The CCNR and CUG supplementary services	28
4.63	The CD and CUG supplementary services	29
4.64	The CFB and CUG supplementary services	29
4.65	The CFNR and CUG supplementary services	29
4.66	The CFU and CUG supplementary services	29
4.67	The CONF and CUG supplementary services	29
4.68	The CCBS and CW supplementary services	29
4.69	The CCNR and CW supplementary services	30
4.70	The CD and CW supplementary services	30
4.71	The CFB and CW supplementary services	30
4.72	The CFNR and CW supplementary services	30
4.73	The CFU and CW supplementary services	30
4.74	The CLIP and DDI supplementary services	31
4.75	The COLP and DDI supplementary services	31
4.76	The CUG and DDI supplementary services	31
4.77	The AOC-S and ECT supplementary services	31
4.78	The AOC-D and ECT supplementary services	31
4.79	The AOC-E and ECT supplementary services	32
4.80	The CD and ECT supplementary services	32
4.81	The CFNR and ECT supplementary services	32
4.82	The CLIR and ECT supplementary services	32
4.83	The COLR and ECT supplementary services	32
4.84	The CONF and ECT supplementary services	32
4.85	The CUG and ECT supplementary services	32
4.86	The ECT and ECT supplementary services	33
4.87	The AOC-S and FPH supplementary services	33
4.88	The AOC-D and FPH supplementary services	33
4.89	The AOC-E and FPH supplementary services	33
4.90	The CCBS and FPH supplementary services	33
4.91	The CCNR and FPH supplementary services	33
4.92	The CD and FPH supplementary services	34
4.93	The CFB and FPH supplementary services	34
4.94	The CFNR and FPH supplementary services	34
4.95	The CFU and FPH supplementary services	35
4.96	The CLIR and FPH supplementary services	35
4.97	The COLP and FPH supplementary services	35
4.98	The COLR and FPH supplementary services	35
4.99	The ECT and FPH supplementary services	35
4.100	The FPH and FPH supplementary services	35
4.101	The AOC-D and HOLD supplementary services	36
4.102	The CCNR and HOLD supplementary services	36
4.103	The CONF and HOLD supplementary services	36
4.104	The CW and HOLD supplementary services	36
4.105	The ECT and HOLD supplementary services	36
4.106	The HOLD and HOLD supplementary services	36

4.107	The CD and MCID supplementary services.....	36
4.108	The CFB and MCID supplementary services.....	37
4.109	The CFNR and MCID supplementary services.....	37
4.110	The CFU and MCID supplementary services.....	37
4.111	The CLIR and MCID supplementary services.....	37
4.112	The CONF and MCID supplementary services.....	37
4.113	The DDI and MCID supplementary services.....	37
4.114	The ECT and MCID supplementary services.....	38
4.115	The FPH and MCID supplementary services.....	38
4.116	The CCBS and MMC supplementary services.....	38
4.117	The CCNR and MMC supplementary services.....	38
4.118	The CONF and MMC supplementary services.....	38
4.119	The ECT and MMC supplementary services.....	38
4.120	The HOLD and MMC supplementary services.....	38
4.121	The CFB and MSN supplementary services.....	38
4.122	The CFNR and MSN supplementary services.....	39
4.123	The CFU and MSN supplementary services.....	39
4.124	The CLIP and MSN supplementary services.....	39
4.125	The CUG and MSN supplementary services.....	39
4.126	The DDI and MSN supplementary services.....	39
4.127	The MCID and MSN supplementary services.....	39
4.128	The CFB and MWI supplementary services.....	39
4.129	The CFNR and MWI supplementary services.....	40
4.130	The CFU and MWI supplementary services.....	40
4.131	The MSN and MWI supplementary services.....	40
4.132	The CCBS and OCB-F supplementary services.....	40
4.133	The CCNR and OCB-F supplementary services.....	40
4.134	The CD and OCB-F supplementary services.....	40
4.135	The CFB and OCB-F supplementary services.....	40
4.136	The CFNR and OCB-F supplementary services.....	40
4.137	The CFU and OCB-F supplementary services.....	41
4.138	The CUG and OCB-F supplementary services.....	41
4.139	The FPH and OCB-F supplementary services.....	41
4.140	The MSN and OCB-F supplementary services.....	41
4.141	The CCBS and OCB-UC supplementary services.....	41
4.142	The CCNR and OCB-UC supplementary services.....	41
4.143	The CD and OCB-UC supplementary services.....	41
4.144	The CFB and OCB-UC supplementary services.....	41
4.145	The CFNR and OCB-UC supplementary services.....	42
4.146	The CFU and OCB-UC supplementary services.....	42
4.147	The CUG and OCB-UC supplementary services.....	42
4.148	The FPH and OCB-UC supplementary services.....	42
4.149	The MSN and OCB-UC supplementary services.....	42
4.150	The OCB-F and OCB-UC supplementary services.....	42
4.151	The AOC-S and SCF supplementary services.....	42
4.152	The AOC-D and SCF supplementary services.....	43
4.153	The AOC-E and SCF supplementary services.....	43
4.154	The CCBS and SCF supplementary services.....	43
4.155	The CCNR and SCF supplementary services.....	43
4.156	The CD and SCF supplementary services.....	43
4.157	The CFB and SCF supplementary services.....	43
4.158	The CFNR and SCF supplementary services.....	43
4.159	The CFU and SCF supplementary services.....	43
4.160	The CLIP and SCF supplementary services.....	44
4.161	The CLIR and SCF supplementary services.....	44
4.162	The COLP and SCF supplementary services.....	44
4.163	The COLR and SCF supplementary services.....	44
4.164	The CONF and SCF supplementary services.....	44
4.165	The CUG and SCF supplementary services.....	44
4.166	The CW and SCF supplementary services.....	44
4.167	The DDI and SCF supplementary services.....	44
4.168	The ECT and SCF supplementary services.....	44

4.169	The FPH and SCF supplementary services	45
4.170	The HOLD and SCF supplementary services.....	45
4.171	The MCID and SCF supplementary services	45
4.172	The MMC and SCF supplementary services	45
4.173	The MSN and SCF supplementary services	45
4.174	The MWI and SCF supplementary services	45
4.175	The OCB-F and SCF supplementary services	45
4.176	The OCB-UC and SCF supplementary services.....	45
4.177	The SCF and SCF supplementary services.....	46
4.178	The CCBS and SUB supplementary services	46
4.179	The CCNR and SUB supplementary services	46
4.180	The CD and SUB supplementary services	46
4.181	The CFB and SUB supplementary services	46
4.182	The CFNR and SUB supplementary services.....	46
4.183	The CFU and SUB supplementary services	46
4.184	The CLIP and SUB supplementary services	46
4.185	The COLP and SUB supplementary services.....	46
4.186	The MWI and SUB supplementary services	47
4.187	The SCF and SUB supplementary services.....	47
4.188	The AOC-S and TP supplementary services	47
4.189	The AOC-D and TP supplementary services.....	47
4.190	The AOC-E and TP supplementary services	47
4.191	The CCBS and TP supplementary services	47
4.192	The CCNR and TP supplementary services	47
4.193	The CONF and TP supplementary services	47
4.194	The CW and TP supplementary services.....	48
4.195	The HOLD and TP supplementary services.....	48
4.196	The MCID and TP supplementary services.....	48
4.197	The SCF and TP supplementary services	48
4.198	The TP and TP supplementary services	48
4.199	The CCBS and UUS supplementary services.....	48
4.200	The CCNR and UUS supplementary services.....	48
4.201	The CD and UUS supplementary services	48
4.202	The CFB and UUS supplementary services	49
4.203	The CFNR and UUS supplementary services	50
4.204	The CFU and UUS supplementary services	50
4.205	The CONF and UUS supplementary services	51
4.206	The CW and UUS supplementary services	51
4.207	The ECT and UUS supplementary services	51
4.208	The MMC and UUS supplementary services	51
4.209	The SCF and UUS supplementary services.....	52
4.210	The TP and UUS supplementary services	52
4.211	The AOC-S and 3PTY supplementary services	52
4.212	The AOC-D and 3PTY supplementary services.....	52
4.213	The AOC-E and 3PTY supplementary services	52
4.214	The CONF and 3PTY supplementary services.....	52
4.215	The CUG and 3PTY supplementary services.....	52
4.216	The CW and 3PTY supplementary services	53
4.217	The ECT and 3PTY supplementary services.....	53
4.218	The HOLD and 3PTY supplementary services	53
4.219	The MMC and 3PTY supplementary services.....	53
4.220	The MSN and 3PTY supplementary services.....	53
4.221	The SCF and 3PTY supplementary services	53
4.222	The TP and 3PTY supplementary services.....	53
4.223	The UUS and 3PTY supplementary services	54
4.224	The 3PTY and 3PTY supplementary services.....	54

Annex A (informative):	Interaction between the UUS supplementary service and the CD (after alerting) and the CFNR supplementary services.....	55
Bibliography		56
History		58

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST-V ETSI/EG 201 817 V1.1.1:2003](https://standards.iteh.ai/catalog/standards/sist/9ce5fb9b-ca2b-4ad6-a25b-6c06f986f99b/sist-v-etsi-eg-201-817-v1-1-1-2003)

<https://standards.iteh.ai/catalog/standards/sist/9ce5fb9b-ca2b-4ad6-a25b-6c06f986f99b/sist-v-etsi-eg-201-817-v1-1-1-2003>

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://www.etsi.org/ipr>).

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 ETSI Guide (EG) has been produced by ETSI Technical Committee Services and Protocols for Advanced Networks (SPAN).

Introduction

In the present document the stage one of the ISDN supplementary service interactions have been collected into a single document. With the current approach of the supplementary service standardization in ETSI, where the interactions are described in the standards of each supplementary service concerned, it is hard to keep track of where the latest version of the text is located. This trial document contains the same set of approved supplementary services as the latest version of the respective stage three interaction document (EN 300 195-1 V1.4.3). For this trial period the current approach will be kept in parallel, i.e. for the supplementary services currently under work, the interactions are described in the standards of each supplementary service. Also the approved standards will not be modified by deleting the texts on interactions.

<https://standards.iteh.ai/catalog/standards/sist/9ce5fb9b-ca2b-4ad6-a25b-6c06f986f99b/sist-v-etsi-eg-201-817-v1-1-1-2003>

1 Scope

The present document gives guidance on the stage one of the supplementary service interactions for the pan-European Integrated Services Digital Network (ISDN) as provided by European public telecommunications operators.

The interactions between the Advice of Charge: charging information at call set-up time (AOC-S), Advice of Charge: charging information during the call (AOC-D), Advice of Charge: charging information at the end of the call (AOC-E), Completion of Calls to Busy Subscriber (CCBS), Completion of Calls on No Reply (CCNR), Call Deflection (CD), Call Forwarding Busy (CFB), Call Forwarding No Reply (CFNR), Call Forwarding Unconditional (CFU), Calling Line Identification Presentation (CLIP), Calling Line Identification Restriction (CLIR), Connected Line Identification Presentation (COLP), Connected Line Identification Restriction (COLR), Conference call, add-on (CONF), Explicit Call Transfer (ECT), Closed User Group (CUG), Call Waiting (CW), Direct Dialling In (DDI), Freephone (FPH), Call Hold (HOLD), Malicious Call Identification (MCID), Multiple Subscriber Number (MSN), Message Waiting Indication (MWI), Outgoing Call Barring-Fixed (OCB-F), Outgoing Call Barring-User Controlled (OCB-UC), Selective Call Forwarding (SCF), Subaddressing (SUB), Terminal Portability (TP), User-to-User Signalling (UUS) and Three-Party (3PTY) supplementary services are covered in the present document.

2 References

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

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

- [1] ETSI ETS 300 056 (1991) including amendment A1 (1996): "Integrated Services Digital Network (ISDN); Call Waiting (CW) supplementary service; Service description".
- [2] ETSI ETS 300 089 (1992): "Integrated Services Digital Network (ISDN); Calling Line Identification Presentation (CLIP) supplementary service; Service description".
- [3] ETSI ETS 300 164 (1992): "Integrated Services Digital Network (ISDN); Meet-Me Conference (MMC) supplementary service; Service description".
- [4] ETSI ETS 300 183 (1992) including amendment A1 (1998): "Integrated Services Digital Network (ISDN); Conference call, add-on (CONF) supplementary service; Service description".
- [5] ETSI ETS 300 199 (1994): "Integrated Services Digital Network (ISDN); Call Forwarding Busy (CFB) supplementary service; Service description".
- [6] ETSI ETS 300 200 (1994): "Integrated Services Digital Network (ISDN); Call Forwarding Unconditional (CFU) supplementary service; Service description".
- [7] ETSI ETS 300 201 (1994) including amendment A1 (1996): "Integrated Services Digital Network (ISDN); Call Forwarding No Reply (CFNR) supplementary service; Service description".
- [8] ETSI ETS 300 208 (1996): "Integrated Services Digital Network (ISDN); Freephone (FPH) supplementary service; Service description".
- [9] ETSI ETS 300 357 (1995): "Integrated Services Digital Network (ISDN); Completion of Calls to Busy Subscriber (CCBS) supplementary service; Service description".
- [10] ETSI ETS 300 367 (1995): "Integrated Services Digital Network (ISDN); Explicit Call Transfer (ECT) supplementary service; Service description".
- [11] ETSI EN 301 134 (V1.1.1): "Integrated Services Digital Network (ISDN); Completion of Calls on No Reply (CCNR) supplementary service; Service description".

- [12] ITU-T Recommendation E.164 (1997): "The international public telecommunication numbering plan".
- [13] ITU-T Recommendation I.112 (1993): "Vocabulary of terms for ISDNs".
- [14] ITU-T Recommendation I.210 (1993): "Principles of telecommunication services supported by an ISDN and the means to describe them".
- [15] ITU-T Recommendation I.221 (1993): "Common specific characteristics of services".

3 Definitions and abbreviations

3.1 Definitions

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

active call: call on which the connection has already been established

barring program: selection of type of calls to which the calls can be barred

busy: see ITU-T Recommendation I.221 [15], clause 3

call forwarding: general term applied to any functionality whereby a call is redirected automatically by the service provider to another user. The forms of forwarding are: unconditional, whereby all calls are redirected; busy, whereby calls encountering busy are redirected; and, no reply, whereby calls which are not answered within a time period are redirected

called party number: ITU-T Recommendation E.164 [12] number provided by the calling user, when originating the call in order to identify the called user in the call

calling party number: number provided by the public network which identifies either the calling party or at least the access into the public network of the call from the calling user

called user: user who received an incoming call (originated by the calling user)

calling user: user who originates, or originated, the call

CCBS busy: any one of the following conditions will cause user A to be considered as CCBS busy:

- maximum number of calls reached at user A;
- no B-channels available at user A;
- CCBS recall pending on user A.

CCBS call: call generated by the network from user A to destination B resulting from user A's acceptance of a CCBS recall

CCBS recall: indication informing user A that the network is ready to initiate a CCBS call to destination B and that the network is awaiting a response to this indication

CCBS recall timer: maximum time the network will wait for user A to respond to a CCBS recall. The value of this timer shall be a minimum of 10 seconds and a maximum of 20 seconds

CCBS request: instance of an activation of the CCBS supplementary service which is held in a queue pending the correct conditions for the CCBS supplementary service to be completed

CCNR busy: any one of the following conditions will cause user A to be considered as CCNR busy:

- maximum number of calls reached at user A;
- no B-channels available at user A;
- CCNR recall pending on user A.

CCNR call: call generated by the network from user A to destination B resulting from user A's acceptance of a CCNR recall

CCNR recall: indication informing user A that the network is ready to initiate a CCNR call to destination B and that the network is awaiting a response to this indication

CCNR recall timer: maximum time the network will wait for user A to respond to a CCNR recall. The value of this timer shall be a minimum of 10 seconds and a maximum of 20 seconds

CCNR request: instance of an activation of the CCNR supplementary service which is held in a queue pending the correct conditions for the CCNR supplementary service to be completed

compatible terminal: terminal which can support the bearer service or teleservice requested for the original call to destination B and which can accept calls to the ISDN number and subaddress identifying the called user in the original call to destination B

conferee: any user involved in the conference, other than the conference controller

conference: call involving a number of users who can communicate simultaneously

conference controller: (served) user who invokes the CONF supplementary service and controls the addition and removal of conferees

controlling user: user that activates and deactivates the MWI supplementary service

NOTE: The controlling user is likely to be a mail box.

deflected-to user: user to whom the call is redirected as a result of the CD supplementary service

deflecting user: user for whom the call is subjected to call deflection

destination B: entity addressed in the original call

destination B idle guard timer: time the network will wait after destination B has become not busy before informing user A. The value of this timer shall be a maximum of 15 seconds

diverted-to user: user to whom a call is redirected as a result of diversion

diverting user: user for whom the call is subjected to diversion

diversion: general term which includes all forms of forwarding, and includes deflection whereby calls are redirected by the user instead of being answered

explicit request: UUS supplementary service is considered as explicitly requested when a user requests the activation of the UUS supplementary service

forwarded-to user: user to whom the call is redirected as a result of forwarding

freephone call: call made to the freephone number

freephone number: set of digits assigned by the service provider to a served user upon subscription to the FPH supplementary service. The freephone number forms the subscriber number part of the ISDN number, and in conjunction with a service access code, the freephone number forms the national part of an ISDN number (see ITU-T Recommendation E.164 [12])

held call: call on which the call hold supplementary service is currently in operation

idle state: in this state, the user invokes the CONF supplementary service without an associated call

implicit request: UUS supplementary service is considered as implicitly requested when no explicit request for the UUS supplementary service is made and UUI is sent by the user when originating a call

Integrated Services Digital Network (ISDN): see ITU-T Recommendation I.112 [13], clause 2.3, definition 308

ISDN number: number conforming to the numbering plan and structure specified in ITU-T Recommendation E.164 [12]

mail box: system, inside or outside the public network infrastructure, capable to handle mail

multiple subscriber number: number used to identify one or more terminals connected to an access. This number comprises either the whole ISDN number or part of the ISDN number - i.e. the least significant digit(s)

Network Determined User Busy (NDUB): see ITU-T Recommendation I.221 [15], clause 3.1.4

network operator: entity which provides the network operating elements and resources for the execution of a supplementary service

No Impact (NI): neither supplementary service shall affect the operation of the other supplementary service

Not Applicable (NA): there is no interaction between the supplementary service and itself

override category: allows a special category of users (e.g. police) to override the CLIR supplementary service in order to receive the calling line identity. This is a national matter, the operation of which is beyond the scope of this standard

permanent mode: in this mode, the CLIR or COLR supplementary service is invoked automatically by the network on all calls

private communication: communication between the conference controller and another user who may be a past/potential conferee. This communication is entirely separate from the conference

receiving user: user that receives the message waiting indication

remote party: user involved in a call, other than the served user

screening: process whereby the network checks that a user provided information is acceptable to the network

served user: user to whom a supplementary service has been provided

service access code: digits assigned to the FFH supplementary service, which forms the national destination code part of an ISDN number. In conjunction with a freephone number, the service access code forms the national part of an ISDN number

service provider: entity which offers a supplementary service subscription. The network operator may be the service provider

special arrangement: agreement between a customer and a public network operator whereby customer supplied calling party ISDN numbers are not screened by the public ISDN

subaddress: see ITU-T Recommendation E.164 [12], clause 11.2

supplementary service: see ITU-T Recommendation I.210 [14], clause 2.4

temporary mode: in this mode, the CLIR or COLR supplementary service is invoked on a per call basis

user A: in the diversion supplementary services the calling user in a call which is subject to diversion. In the ECT supplementary service the user to whom the ECT supplementary service is provided

user B: in the diversion supplementary services the served user when a call (from user A) is subject to a diversion supplementary service

NOTE: In the context of multiple diversions, a suffix is used, e.g. 1, 2, ... n, n + 1, ... m, to denote the successive diverting users. For example, user B3 is also the diverted-to user with respect to the diversion applied at user B2.

In the ECT supplementary service the other user in one of user A's calls. By convention, in the present document, it is considered that the connection has been established on this call.

user C: in the diversion supplementary services the forwarded-to user in a call which is subject to a diversion supplementary service. In the case of a call which is subject to multiple diversions, user C is the forwarded-to user with respect to the final call forwarding. In the ECT supplementary service the other user in another of user A's calls

User Determined User Busy (UDUB): see ITU-T Recommendation I.221 [15], clause 3.1.4

User-to-User Information (UUI): information transferred by using the UUS supplementary service

"UUS not required" request: request where originating a call shall continue even if the request for the UUS supplementary service cannot be accepted

"UUS required" request: request where originating a call shall be rejected if the request for the UUS supplementary service cannot be accepted

3.2 Abbreviations

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

AOC-D	Advice Of Charge: charging information during the call
AOC-E	Advice Of Charge: charging information at the end of the call
AOC-S	Advice Of Charge: charging information at call set-up time
CCBS	Completion of Calls to Busy Subscriber
CCNR	Completion of Calls on No Reply
CD	Call Deflection
CFB	Call Forwarding Busy
CFNR	Call Forwarding No Reply
CFU	Call Forwarding Unconditional
CLIP	Calling Line Identification Presentation
CLIR	Calling Line Identification Restriction
COLP	Connected Line Identification Presentation
COLR	Connected Line Identification Restriction
CONF	Conference call, add-on
CUG	Closed User Group
CW	Call Waiting
DDI	Direct Dialling In
ECT	Explicit Call Transfer
FPH	Freephone
HOLD	Call Hold
ISDN	Integrated Services Digital Network
MCID	Malicious Call Identification
MMC	Meet-Me Conference
MSN	Multiple Subscriber Number
MWI	Message Waiting Indication
NA	Not Applicable
NDUB	Network Determined User Busy
NI	No Impact
OCB-F	Outgoing Call Barring-Fixed
OCB-UC	Outgoing Call Barring-User Controlled
SCF	Selective Call Forwarding
SUB	Subaddressing
TP	Terminal Portability
UDUB	User Determined User Busy
UUI	User-to-User Information
UUS	User-to-User Signalling
3PTY	Three-Party