



SLOVENSKI STANDARD

SIST EN 300 093-1 V1.2.4:2005

01-april-2005

8 [[]HJbc`ca fYy`Y`n`]bH[f]fUb]a]glcf]Hj Ua]fG8 BŁ!`8 cdc`b]bUglcf]Hj .`ca Y]Hj
]XYbh]Z_UM`Y`_] c Y[Udf]_`1 _Uf7 @FŁ!`Dfctc_c`X[[]HJbY`bUfc b]y`Y
g[[bU]nUM`Y`yH`%fB GG%Ł!`%`XY .`GdYV]Z_UM`Udfctc_c`U

Integrated Services Digital Network (ISDN); Calling Line Identification Restriction (CLIR) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification

STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 300 093-1 V1.2.4:2005](https://standards.iteh.ai/catalog/standards/sist/761cc225-271a-4514-b378-2a49ac11b0b2/sist-en-300-093-1-v1-2-4-2005)

<https://standards.iteh.ai/catalog/standards/sist/761cc225-271a-4514-b378-2a49ac11b0b2/sist-en-300-093-1-v1-2-4-2005>

Ta slovenski standard je istoveten z: EN 300 093-1 Version 1.2.4

ICS:

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

SIST EN 300 093-1 V1.2.4:2005 **en**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 300 093-1 V1.2.4:2005

<https://standards.iteh.ai/catalog/standards/sist/761cc225-271a-4514-b378-2a49ac11b0b2/sist-en-300-093-1-v1-2-4-2005>

EN 300 093-1 V1.2.4 (1998-06)

European Standard (Telecommunications series)

**Integrated Services Digital Network (ISDN);
Calling Line Identification Restriction (CLIR)
supplementary service;
Digital Subscriber Signalling System No. one (DSS1) protocol;
Part 1: Protocol specification**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 300 093-1 V1.2.4:2005](https://standards.iteh.ai/catalog/standards/sist/761cc225-271a-4514-b378-2a49ac11b0b2/sist-en-300-093-1-v1-2-4-2005)

<https://standards.iteh.ai/catalog/standards/sist/761cc225-271a-4514-b378-2a49ac11b0b2/sist-en-300-093-1-v1-2-4-2005>



Reference

REN/SPS-05145-D-1 (0v090iqo.PDF)

Keywords

ISDN, CLIR, DSS1, supplementary service

ETSI

Postal address

F-06921, Sophia Antipolis Cedex - FRANCE

Office address

650 Route des Lucioles - Sophia Antipolis
Valbonne - FRANCE

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

Siret N° 348 623 562 00017 / NAF 742 C 271a-4514-b378-

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

Internet

secretariat@etsi.fr

<http://www.etsi.fr>

<http://www.etsi.org>

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 1998.
All rights reserved.

Contents

Intellectual Property Rights.....	4
Foreword	4
1 Scope.....	6
2 Normative references	6
3 Definitions.....	7
4 Abbreviations.....	7
5 Description.....	7
6 Operational requirements.....	8
6.1 Provision and withdrawal.....	8
6.2 Requirements on the originating network side.....	8
6.3 Requirements on the destination network side.....	8
7 Coding requirements.....	8
8 State definitions	8
9 Signalling procedures at the coincident S and T reference point	8
9.1 Activation, deactivation and registration	8
9.2 Actions at the originating user	8
9.2.1 Normal operation	8
9.2.2 Exceptional procedures	8
9.3 Actions at the originating local exchange	9
9.3.1 Normal operation	9
9.3.2 Exceptional procedures	9
9.4 Actions at the destination local exchange	9
9.4.1 Normal operation	9
9.4.2 Exceptional procedures	9
10 Procedures for interworking with private ISDNs	9
11 Interaction with other networks	9
12 Interaction with other supplementary services.....	9
13 Parameter values (timers).....	10
14 Dynamic description (SDL diagrams)	10
Annex A (informative): Signalling flows	11
Annex B (informative): Terminal interchangeability between public and private ISDNs	12
Annex C (informative): Changes with respect to the previous ETS 300 093-1	13
Annex D (informative): Bibliography.....	14
History	15

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 SR 000 314: *"Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards"*, which is available **free of charge** from the ETSI Secretariat. Latest updates are available on the ETSI Web server (<http://www.etsi.fr/ipr> or <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 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 Signalling Protocols and Switching (SPS).

The present document is part 1 of a multi-part standard covering the Digital Subscriber Signalling System No. one (DSS1) protocol specification for the Integrated Services Digital Network (ISDN) Calling Line Identification Restriction (CLIR) supplementary service, as described below:

Part 1: "Protocol specification";

Part 2: "Protocol Implementation Conformance Statement (PICS) proforma specification";

Part 3: "Test Suite Structure and Test Purposes (TSS&TP) specification for the user";

Part 4: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for the user";

Part 5: "Test Suite Structure and Test Purposes (TSS&TP) specification for the network";

Part 6: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for the network".

In accordance with CCITT Recommendation I.130, the following three level structure is used to describe the supplementary telecommunications services as provided by European public telecommunications operators under the pan-European Integrated Services Digital Network (ISDN):

- Stage 1: is an overall service description, from the user's standpoint;
- Stage 2: identifies the functional capabilities and information flows needed to support the service described in stage 1; and
- Stage 3: defines the signalling system protocols and switching functions needed to implement the service described in stage 1.

The present document details the stage three aspects (signalling system protocols and switching functions) needed to support the Calling Line Identification Restriction (CLIR) supplementary service. The stage one and stage two aspects are detailed in ETS 300 090 and ETS 300 091, respectively.

The present version updates the references to the basic call specifications.

National transposition dates	
Date of adoption of this EN:	19 June 1998
Date of latest announcement of this EN (doa):	30 September 1998
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	31 March 1999
Date of withdrawal of any conflicting National Standard (dow):	31 March 1999

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

[SIST EN 300 093-1 V1.2.4:2005](https://standards.iteh.ai/catalog/standards/sist/761cc225-271a-4514-b378-2a49ac11b0b2/sist-en-300-093-1-v1-2-4-2005)

<https://standards.iteh.ai/catalog/standards/sist/761cc225-271a-4514-b378-2a49ac11b0b2/sist-en-300-093-1-v1-2-4-2005>

1 Scope

This first part of EN 300 093 specifies the stage three of the Calling Line Identification Restriction (CLIR) supplementary service for the pan-European Integrated Services Digital Network (ISDN) as provided by European public telecommunications operators at the T reference point or coincident S and T reference point (as defined in CCITT Recommendation I.411 [1]) by means of the Digital Subscriber Signalling System No. one (DSS1). Stage three identifies the protocol procedures and switching functions needed to support a telecommunications service (see CCITT Recommendation I.130 [2]).

In addition the present document specifies the protocol requirements at the T reference point where the service is provided to the user via a private ISDN.

The present document does not specify the additional protocol requirements where the service is provided to the user via a telecommunications network that is not an ISDN.

The CLIR supplementary service enables the calling party to prevent presentation of its ISDN number to the called party.

The CLIR supplementary service is applicable to all telecommunication services.

Further parts of the present document specify the method of testing required to identify conformance to the present document.

The present document is applicable to equipment supporting the CLIR supplementary service, to be attached at either side of a T reference point or coincident S and T reference point when used as an access to the public ISDN.

2 Normative references

References may be made to:

- a) specific versions of publications (identified by date of publication, edition number, version number, etc.), in which case, subsequent revisions to the referenced document do not apply; or
- b) all versions up to and including the identified version (identified by "up to and including" before the version identity); or
- c) all versions subsequent to and including the identified version (identified by "onwards" following the version identity); or
- d) publications without mention of a specific version, in which case the latest version applies.

A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

- [1] CCITT Recommendation I.411 (1988): "ISDN user-network interfaces Reference configurations".
- [2] CCITT Recommendation I.130 (1988): "Method for characterisation of telecommunications services supported by an ISDN and network capabilities of an ISDN".
- [3] CCITT Recommendation I.112: "Vocabulary of terms for ISDNs".
- [4] CCITT Recommendation E.164: "Numbering plan for the ISDN era".
- [5] 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]".
- [6] EN 300 195-1: "Integrated Services Digital Network (ISDN); Supplementary service interactions; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [7] ETS 300 090 (1992): "Integrated Services Digital Network (ISDN); Calling Line Identification Restriction (CLIR) supplementary service; Service description".

- [8] EN 300 092-1: "Integrated Services Digital Network (ISDN); Calling Line Identification Presentation (CLIP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [9] CCITT Recommendation I.210: "Principles of telecommunication services supported by an ISDN and the means to describe them".
- [10] CCITT Recommendation Z.100 (1988): "Functional Specification and Description Language (SDL)".

3 Definitions

For the purpose of the present document, the following definitions apply:

Integrated Services Digital Network (ISDN): See CCITT Recommendation I.112 [3], § 2.3, definition 308.

service; telecommunications service: See CCITT Recommendation I.112 [3], § 2.2, definition 201.

supplementary service: See CCITT Recommendation I.210 [9], § 2.4.

network: The DSS1 protocol entity at the network side of the user-network interface.

user: The DSS1 protocol entity at the user side of the user-network interface.

served user: It is the user of a particular ISDN number who has subscribed to the restriction of the calling line identification information (on a permanent or on a per-call basis) in association with outgoing calls. The served user is also known as the calling user.

called user: It is the receiver of a call, initiated by the served user, on which the CLIR supplementary service has been activated.

ISDN number: A number conforming to the numbering plan and structure specified in CCITT Recommendation E.164 [4].

subaddress: See CCITT Recommendation E.164 [4], § 11.2.

4 Abbreviations

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

CLIP	Calling Line Identification Presentation
CLIR	Calling Line Identification Restriction
DSS1	Digital Subscriber Signalling System No. one
ISDN	Integrated Services Digital Network

5 Description

The CLIR supplementary service is a supplementary service offered to the calling user. It restricts presentation of the calling user's ISDN number and subaddress to the called user.

When the CLIR supplementary service is applicable and activated, the originating network shall provide the destination network with the indication that the calling user's ISDN number and subaddress information (if provided by the calling user) are not allowed to be presented to the called user. In this case no calling user number shall be included in the call offered to the called user.

The presentation restriction function shall not influence the forwarding of the calling user number within the network as part of the basic service procedures.