



SLOVENSKI STANDARD SIST ETS 300 179 E1:2003

01-december-2003

Digitalno omrežje z integriranimi storitvami (ISDN) – Dopolnilna storitev: obvestilo o ceni: informacija o stroških med klicem (AOC-D) – Opis storitve

Integrated Services Digital Network (ISDN); Advice of Charge: charging information during the call (AOC-D) supplementary service; Service description

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Ta slovenski standard je istoveten z: ^{SIST ETS 300 179 E1:2003} **ETS 300 179 Edition 1**
<https://standards.iteh.ai/catalog/standards/sist/66d7968d-98cb-46a0-9136-756293a6b58b/sist-ets-300-179-e1-2003>

ICS:

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

SIST ETS 300 179 E1:2003

en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST ETS 300 179 E1:2003](#)

<https://standards.iteh.ai/catalog/standards/sist/b6d7968d-98cb-46a0-9136-756293a6b58b/sist-ets-300-179-e1-2003>



EUROPEAN
TELECOMMUNICATION
STANDARD

ETS 300 179

October 1992

Source: ETSI TC-NA

Reference: T/NA1(89)14

ICS: 33.080

Key words: ISDN, supplementary service

**Integrated Services Digital Network (ISDN);
Advice Of Charge: charging information
during the call (AOC-D) supplementary service
Service description**

ETSI

European Telecommunications Standards Institute

ETSI Secretariat

Postal address: F-06921 Sophia Antipolis CEDEX - FRANCE

Office address: 650 Route des Lucioles - Sophia Antipolis - Valbonne - FRANCE

X.400: c=fr, a=atlas, p=etsi, s=secretariat - **Internet:** secretariat@etsi.fr

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

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 1992. All rights reserved.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST ETS 300 179 E1:2003](https://standards.iteh.ai/catalog/standards/sist/b6d7968d-98cb-46a0-9136-756293a6b58b/sist-ets-300-179-e1-2003)

<https://standards.iteh.ai/catalog/standards/sist/b6d7968d-98cb-46a0-9136-756293a6b58b/sist-ets-300-179-e1-2003>

Contents

Foreword	5
1 Scope	7
2 Normative references	7
3 Definitions	8
4 Symbols and abbreviations	8
5 Description	8
6 Procedures	8
6.1 Provision and withdrawal	8
6.2 Normal procedures	9
6.2.1 Activation, deactivation and registration	9
6.2.2 Erasure	9
6.2.3 Invocation and operation	9
6.2.4 Interrogation	9
6.3 Exceptional procedures	9
6.3.1 Activation, deactivation and registration	9
6.3.2 Erasure	9
6.3.3 Invocation and operation	9
6.3.4 Interrogation	10
7 Intercommunication considerations	10
7.1 Interworking with non-ISDNs	10
7.2 Interworking with private ISDNs	10
8 Interaction with other supplementary services	10
8.1 Advice of charge services	10
8.1.1 Charging information at call set-up time	10
8.1.2 Charging information during the call	10
8.1.3 Charging information at the end of the call	10
8.2 Call waiting	10
8.3 Call hold	10
8.4 Explicit call transfer	11
8.5 Number identification services	11
8.5.1 Calling line identification presentation	11
8.5.2 Calling line identification restriction	11
8.5.3 Connected line identification presentation	11
8.5.4 Connected line identification restriction	11
8.6 Closed user group	11
8.7 Completion of calls to busy subscriber	11
8.8 Conference services	11
8.8.1 Conference call, add-on	11
8.8.1.1 Conference controller	11
8.8.1.2 Conferees	12
8.8.2 Meet-me conference	12
8.9 Direct dialling-in	13
8.10 Diversion services	13
8.10.1 Call forwarding unconditional	13
8.10.2 Call forwarding busy	13
8.10.3 Call forwarding no reply	13
8.10.4 Call deflection	13
8.11 Freephone	14

8.12	Malicious call identification	14
8.13	Multiple subscriber number	14
8.14	Subaddressing	14
8.15	Terminal portability	14
8.16	Three party	14
8.17	User-to-user signalling	14
Annex A (normative): Structure, contents and application of charging information.....		15
A.1	Introduction	15
A.2	Structure and contents of charging information.....	15
A.2.1	Type of charging information.....	15
A.2.2	Recorded charges	15
A.2.3	Billing identification	16
A.3	Application of charging information	16
History		17

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST ETS 300 179 E1:2003](https://standards.iteh.ai/catalog/standards/sist/b6d7968d-98cb-46a0-9136-756293a6b58b/sist-ets-300-179-e1-2003)

<https://standards.iteh.ai/catalog/standards/sist/b6d7968d-98cb-46a0-9136-756293a6b58b/sist-ets-300-179-e1-2003>

Foreword

This European Telecommunication Standard (ETS) has been produced by the Network Aspects (NA) Technical Committee of the European Telecommunications Standards Institute (ETSI).

In accordance with CCITT Recommendation I.130 [1], 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.

This ETS details the stage 1 aspects (overall service description) for the Advice Of Charge: charging information during the call (AOC-D) supplementary service. Stage 2 and stage 3 aspects are detailed in ETS 300 181 (1992) and ETS 300 182 (1992), respectively.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST ETS 300 179 E1:2003](https://standards.iteh.ai/catalog/standards/sist/b6d7968d-98cb-46a0-9136-756293a6b58b/sist-ets-300-179-e1-2003)

<https://standards.iteh.ai/catalog/standards/sist/b6d7968d-98cb-46a0-9136-756293a6b58b/sist-ets-300-179-e1-2003>

Blank page

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST ETS 300 179 E1:2003](https://standards.iteh.ai/catalog/standards/sist/b6d7968d-98cb-46a0-9136-756293a6b58b/sist-ets-300-179-e1-2003)

<https://standards.iteh.ai/catalog/standards/sist/b6d7968d-98cb-46a0-9136-756293a6b58b/sist-ets-300-179-e1-2003>

1 Scope

This standard defines the stage one of the Advice Of Charge: charging information during the call (AOC-D) supplementary service for the pan-European Integrated Services Digital Network (ISDN) as provided by European public telecommunications operators. Stage one is an overall service description from the user's point of view (see CCITT Recommendation I.130 [1]), but does not deal with the details of the human interface itself.

This standard defines the interworking requirements of private ISDNs with the public ISDN.

In addition this standard specifies the base functionality where the service is provided to the user via a private ISDN.

This standard does not specify the additional requirements where the service is provided to the user via a telecommunications network that is not an ISDN but does include interworking requirements of other networks with the public ISDN.

Charging principles are outside the scope of this standard.

Interaction with supplementary services not listed in Clause 8 are outside the scope of this standard.

The AOC-D supplementary service enables a user to receive information on the recorded charges for a call during the active phase of the call.

The AOC-D supplementary service is applicable to all circuit-switched telecommunications services.

This standard is applicable to the stage two and stage three standards for the ISDN AOC-D supplementary service. The terms "stage two" and "stage three" are also defined in CCITT Recommendation I.130 [1]. Where the text indicates the status of a requirement (i.e. as strict command or prohibition, as authorisation leaving freedom, or as a capability or possibility), this shall be reflected in the text of the relevant stage two and stage three standards.

Furthermore, conformance to this standard is met by conforming to the stage three standard with the field of application appropriate to the equipment being implemented. Therefore, no method of testing is provided for this standard.

2 Normative references

This standard incorporates, by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to, or revisions of, any of these publications apply to this standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- [1] CCITT Recommendation I.130 (1988): "Method for the characterisation of the telecommunication services supported by an ISDN and network capabilities of an ISDN".
- [2] CCITT Recommendation I.112 (1988): "Vocabulary of terms for ISDNs".
- [3] CCITT Recommendation I.210 (1988): "Principles of telecommunication services supported by an ISDN and the means to describe them".
- [4] CCITT Recommendation Q.9 (1988): "Vocabulary of switching and signalling terms".