



SLOVENSKI STANDARD

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8 [[]HJbc`ca fYy`Y`n`]bhY[f]fUb]a]gkcf]hj Ua]`f8 Bk!`8 cdc`b]`bUgkcf]Hj .`cVj Ygh`c
c`Wb]`f5 C7 k!`Dfclc_c`X[[]HJbY`bUfc b]y_Y`g[[bU]nUWY`Y`yH`r`%fB GG%k!`%r`XY .
GdYWZ_UWY`Udfclc_c`U

Integrated Services Digital Network (ISDN); Advice of Charge (AOC) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification

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**Integrated Services Digital Network (ISDN);
Advice of Charge (AOC) supplementary service;
Digital Subscriber Signalling System No. one (DSS1) protocol;
Part 1: Protocol specification**



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Contents

Intellectual Property Rights.....	4
Foreword.....	4
1 Scope	6
2 Normative references.....	6
3 Definitions	7
4 Abbreviations.....	8
5 Description	8
5.1 General description.....	8
5.2 Charging information at call set-up time (AOC-S).....	9
5.3 Charging information during the call (AOC-D).....	9
5.4 Charging information at the end of the call (AOC-E).....	9
6 Operational requirements	9
6.1 Provision and withdrawal.....	9
6.2 Requirements on the originating network side.....	10
6.3 Requirements on the destination network side	10
7 Coding requirements	10
7.1 General	10
7.2 Coding of the Facility information element components.....	10
8 State definitions.....	14
9 Signalling procedures at the coincident S and T reference point	14
9.1 Activation, deactivation and registration	14
9.1.1 Normal operation	14
9.1.2 Exceptional procedures	15
9.2 Invocation and operation.....	16
9.2.1 Transfer of charging information in the call establishment phase	16
9.2.1.1 Normal operation.....	16
9.2.1.2 Exceptional procedures	17
9.2.2 Transfer of charging information in the Active state.....	17
9.2.2.1 Normal operation.....	17
9.2.2.2 Exceptional procedures	18
9.2.3 Transfer of charging information in the call clearing phase.....	18
9.2.3.1 Normal operation.....	18
9.2.3.2 Exceptional procedures	19
9.2.4 Transfer of charging information independent of a bearer at the user-network interface	20
9.2.4.1 Normal operation.....	20
9.2.4.2 Exceptional procedures	20
10 Procedures for interworking with private ISDNs	21
11 Interactions with other networks.....	21
12 Interactions with other supplementary services.....	21
13 Parameter values (timers).....	21
14 Dynamic description (SDL diagrams).....	21
Annex A (informative): Signalling flows	32
Annex B (informative): Changes with respect to the previous ETS 300 182-1	37
History.....	38

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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) Advice of Charge (AOC) 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 3 aspects (signalling system protocols and switching functions) needed to support the Advice of Charge (AOC) supplementary service. The stage 1 and stage 2 aspects are detailed in ETSs 300 178 to 180 and ETS 300 181, 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

1 Scope

This first part of EN 300 182 specifies the stage three of the Advice of Charge (AOC) 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.

Three AOC supplementary services exist:

a) Charging information at call set-up time (AOC-S)

The AOC-S supplementary service enables a user to receive information about the charging rates at call set-up time and also to receive further information during the call if there is a change of charging rates.

b) Charging information during the call (AOC-D)

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.

c) Charging information at the end of the call (AOC-E)

The AOC-E supplementary service enables a user to receive information on the recorded charges for a call when the call is terminated.

The AOC supplementary service is applicable to all circuit-switched 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 AOC 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 the characterisation of telecommunication services supported by an ISDN and network capabilities of an ISDN".
- [3] CCITT Recommendation I.112: "Vocabulary of terms for ISDNs".