



SLOVENSKI STANDARD

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8 [[]HJbc`ca fYy`Yn`]bH[f]fUb]a]glcf]Hj Ua]fG8 BŁ!`8 cdc`b] bUglcf]Hj .
]XYbh]Z_ UY`U n`cbUa YfbY[U_`]WUfA7 -8 Ł!`Dfctc_c`X[[]HJbY`bUfc b]y_Y
g[[bU]nUY`Y`yH`%fB GG%Ł!`%`XY. `GdYW]Z_ UY`Udfctc_c`U

Integrated Services Digital Network (ISDN); Malicious Call Identification (MCID) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification

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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) Malicious Call Identification (MCID) 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 telecommunication 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 stand-point;
- 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 Malicious Call Identification (MCID) supplementary service. The stage 1 and stage 2 aspects are detailed in ETS 300 128 and ETS 300 129, 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

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1 Scope

This first part of EN 300 130 specifies the stage three of the Malicious Call Identification (MCID) 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) protocol. Stage three identifies the protocol procedures and switching functions needed to support a telecommunication 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 MCID supplementary service enables a user to request that the source of an incoming call is identified and registered in the network.

The MCID 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 MCID 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] EN 300 195-1: "Integrated Services Digital Network (ISDN); Supplementary service interactions; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [4] CCITT Recommendation Z.100 (1988): "Functional Specification and Description Language (SDL)".
- [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 300 196-1: "Integrated Services Digital Network (ISDN); Generic functional protocol for the support of supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

- [7] CCITT Recommendation I.210: "Principles of telecommunication services supported by an ISDN and the means to describe them".
- [8] CCITT Recommendation I.112: "Vocabulary of terms for ISDN".
- [9] CCITT Recommendation X.208 (1988): "Specification of Abstract Syntax Notation One (ASN.1)".
- [10] CCITT Recommendation I.330 (1988): "ISDN Numbering and Addressing Principles".
- [11] CCITT Recommendation X.219 (1988): "Remote Operations: Model, Notation and Service Definition".

3 Definitions

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

call information: Call information consists of the called party number, the calling party number, the time and date of the request, and, as a network option, the calling party subaddress, if provided by the calling user.

Integrated Services Digital Network (ISDN): See CCITT Recommendation I.112 [8], § 2.3, definition 308.

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

service; telecommunication service: See CCITT Recommendation I.112 [8], § 2.2, definition 201.

subaddress: See CCITT Recommendation I.330 [10], § 5.4.

supplementary service: See CCITT Recommendation I.210 [7], § 2.4.

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

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4 Abbreviations

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

ASN.1	Abstract Syntax Notation One
DSS1	Digital Subscriber Signalling System No. one
ISDN	Integrated Services Digital Network
MCID	Malicious Call Identification

5 Description

The MCID supplementary service shall allow, by an appropriate user request, the storage and registration of the call information.

6 Operational requirements

6.1 Provision and withdrawal

The MCID supplementary service shall be provided and withdrawn after prior arrangement with the administration.

6.2 Requirements on the originating network side

Not applicable.