



SLOVENSKI STANDARD SIST ETS 300 238 E1:2005

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**Zasebno telekomunikacijsko omrežje (PTN) – Medcentralni signalizacijski protokol
- Dopolnilna storitev: razpoznavanje imena**

Private Telecommunication Network (PTN); Inter-exchange signalling protocol; Name identification supplementary services

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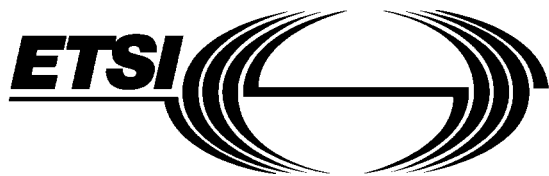
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Foreword

This European Telecommunication Standard (ETS) has been produced by the European Computer Manufacturers Association (ECMA) on behalf of its members and those of the European Telecommunications Standards Institute (ETSI).

This ETS is one of a series of Standards defining supplementary services applicable to Private Telecommunication Networks (PTNs) incorporating one or more interconnected exchanges. This particular ETS deals with the signalling protocol for the support of Name Identification supplementary services. The Name Identification supplementary services are Calling Name Identification Presentation (SS-CNIP) and Connected Name Identification Presentation (SS-CONP).

This ETS was produced by ECMA using the ECMA guidelines for the production of ETSs and using the ECMA stylesheet. In order to avoid undue delays in the publication of this ETS, it has been agreed that this ETS will not be converted to the ETSI stylesheet.

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1 Scope

This Standard specifies the signalling protocol for the support of Name Identification supplementary services at the Q reference point between Private Telecommunication Network Exchanges (PTNXs) connected together within a Private Telecommunication Network (PTN). The Name Identification supplementary services are Calling Name Identification Presentation (SS-CNIP) and Connected Name Identification Presentation (SS-CONP).

Calling Name Identification Presentation (SS-CNIP) is a supplementary service which is offered to the called user and which provides the name of the calling user to the called user.

Connected Name Identification Presentation (SS-CONP) is a supplementary service which is offered to the calling user and which provides to the calling user the following:

- the name of the user who answers the call,
- optionally the name of the alerting user,
- optionally the name of the called user who cannot be reached.

The supplementary service Calling/Connected Name Identification Restriction (SS-CNIR) has no impact on the signalling at the Q reference point.

The Q reference point is defined in ENV 41004.

Service specifications are produced in three stages and according to the method specified in ENV 41005. This Standard contains the stage 3 specification for the Q reference point and satisfies the requirements identified by the stage 1 and 2 specifications in ETS 300 237.

NOTE 1

Signalling protocols for SS-CNIP and SS-CONP have the ability to convey an indication that presentation of a name is restricted. The stage 1 and stage 2 specifications in ETS 300 237 for SS-CNIR do not place any additional requirements on stage 3 at the Q reference point.

The signalling protocol for SS-CNIP and SS-CONP operates on top of the signalling protocol for basic circuit switched call control, as specified in ETS 300 172, and uses certain aspects of the generic procedures for the control of supplementary services specified in ETS 300 239.

The impact on the protocol of interactions between the supplementary services specified in this Standard and other supplementary services is outside the scope of this Standard.

This Standard is applicable to PTNXs which can be interconnected to form a PTN.

2 Conformance

In order to conform to this Standard, a PTNX shall satisfy the requirements identified in the Protocol Implementation Conformance Statement (PICS) proforma in annex A.

3 References

ENV 41004 (1989)	Reference Configurations for Calls Through Exchanges of Private Telecommunication Networks
ENV 41005 (1990)	Method for the Specification of Basic and Supplementary Services of Private Telecommunication Networks
ENV 41007 (1989)	Definition of Terms in Private Telecommunication Networks
ETS 300 171 (1992)	Private Telecommunication Networks (PTN) - Specification, functional model and information flows - Control aspects of circuit mode basic services

ETS 300 172 (1992)	Private Telecommunication Networks (PTN) - Inter-exchange signalling protocol - Circuit mode basic services
ETS 300 237 (1992)	Private Telecommunication Network (PTN) - Specification, functional model and information flows - Name identification supplementary services
ETS 300 239 (1992)	Private Telecommunication Networks (PTN) - Inter-exchange signalling protocol - Generic functional protocol for the support of supplementary services
ISO-8859-1 (1987)	Information Processing - 8-bit single-byte coded graphic character sets - Part 1: Latin alphabet No. 1
CCITT Rec. I.112	Vocabulary of terms for ISDNs
CCITT Rec. I.210	Principles of telecommunication services supported by an ISDN and the means to describe them
CCITT Rec. T.61 (1988)	Character repertoire and coded character sets for the international teletex service
CCITT Rec. Z.100	Specification and Description Language

4 Definitions

For the purpose of this Standard the following definitions apply.

4.1 External Definitions

This Standard uses the following terms defined in other documents:

- Application Protocol Data Unit (ETS 300 239)
- Basic Service (CCITT Rec. I.210)
- Call, Basic Call (ETS 300 239)
- Co-ordination Function (ETS 300 239)
- Incoming Gateway PTNX (ETS 300 172)
- Integrated Services Digital Network (CCITT Rec. I.112)
- Originating PTNX (ETS 300 172)
- Outgoing Gateway PTNX (ETS 300 172)
- Private (ENV 41007)
- Private Telecommunication Network Exchange (ENV 41007)
- Public ISDN (ENV 41007)
- Signalling (CCITT Rec. I.112)
- Supplementary Service (CCITT Rec. I.210)
- Supplementary Service Control Entity (ETS 300 239)
- Telecommunication Network (ENV 41007)
- Terminal, Terminal Equipment (ENV 41007)
- Terminating PTNX (ETS 300 172)
- Transit PTNX (ETS 300 172)
- User (ETS 300 171)

4.2 Name

A string of maximum 50 characters which is used for the name identification of the PTN user of a call.

5 List of Acronyms

APDU	Application Protocol Data Unit
ASN.1	Abstract Syntax Notation One
ISDN	Integrated Services Digital Network
NFE	Network Facility Extension

PICS	Protocol Implementation Conformance Statement
PTN	Private Telecommunication Network
PTNX	Private Telecommunication Network Exchange
SDL	Specification and Description Language
SSCE	Supplementary Service Control Entity
SS-CNIP	Calling Name identification Presentation supplementary service
SS-CONP	Connected Name identification Presentation supplementary service

6 SS-CNIP and SS-CONP Coding Requirements

6.1 Operations

The operations defined in ASN.1 in table 1 shall apply.

Table 1 - Operations in Support of SS-CNIP and SS-CONP

Name-Operations	{ ccitt (0) identified-organisation (3) etsi (0) qsig-name (238) name-operations (0) }
DEFINITIONS	:: =
BEGIN	
IMPORTS	OPERATION, ERROR FROM Remote-Operation-Notation { joint-iso-ccitt (2) remote-operations (4) notation (0) } Extension FROM Manufacturer-specific-service-extension-definition { ccitt (0) identified-organisation (3) etsi (0) qsig-generic-procedures (239) msi-definition (0) };
EXPORTS	Name, NameSet;
ptn OBJECT IDENTIFIER	https://standards.iteh.ai/catalog/standards/sist/617bab8d-5101-403e-8d87-33e4732a0be/sist-ets-300-238-e1-2005 :: = { iso (1) identified-organisation (3) icd-ecma (0012) private-isdn-signalling-domain (9) }
CallingName	OPERATION ARGUMENT CHOICE { Name, SEQUENCE { Name, CHOICE { [5] IMPLICIT Extension, [6] IMPLICIT SEQUENCE OF Extension } OPTIONAL } }
CalledName	OPERATION ARGUMENT CHOICE { Name, SEQUENCE { Name, CHOICE { [5] IMPLICIT Extension, [6] IMPLICIT SEQUENCE OF Extension } OPTIONAL } }
ConnectedName	OPERATION ARGUMENT CHOICE { Name SEQUENCE { Name, CHOICE { [5] IMPLICIT Extension, [6] IMPLICIT SEQUENCE OF Extension } OPTIONAL } }
BusyName	OPERATION ARGUMENT CHOICE { Name, SEQUENCE {Name, CHOICE{ [5] IMPLICIT Extension, [6] IMPLICIT SEQUENCE OF Extension } OPTIONAL } }