



SLOVENSKI STANDARD SIST ETS 300 695 E1:2003

01-december-2003

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Private Integrated Services Network (PISN); Cordless Terminal Mobility (CTM); Call handling additional network features; Functional capabilities and information flows

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ICS:

33.040.35 Telefonska omrežja Telephone networks

SIST ETS 300 695 E1:2003 en

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EUROPEAN
TELECOMMUNICATION
STANDARD

ETS 300 695

March 1996

Source: ETSI TC-BTC

Reference: DE/BTC-01036

ICS: 35.120

Key words: PISN, CTM, mobility, ANF, stage 2, PTN

**Private Integrated Services Network (PISN);
Cordless Terminal Mobility (CTM);
Call handling additional network features;
Functional capabilities and information flows**

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Foreword

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

Transposition dates	
Date of adoption of this ETS:	15 March 1996
Date of latest announcement of this ETS (doa):	30 June 1996
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 December 1996
Date of withdrawal of any conflicting National Standard (dow):	31 December 1996

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1 Scope

This European Telecommunication Standard (ETS) describes the stage two of the Cordless Terminal Mobility (CTM) call handling services for Private Integrated Services Networks (PISNs). It comprises two related but distinct service descriptions, CTM Incoming Call Handling Additional Network Feature (ANF-CTMI) and CTM Outgoing Call Handling Additional Network Feature (ANF-CTMO).

ANF-CTMI directs incoming calls to a CTM user within a PISN regardless of the CTM user's geographical location within the PISN, provided the CTM user's location is known.

ANF-CTMO detects an outgoing call or request for a supplementary service from a CTM user and establishes it as a basic call or signalling connection, respectively, regardless of the user's geographical location within the PISN. It also provides the CTM user's service profile for use by outgoing call control, or alternatively passes the call to the CTM user's home location for processing.

These ANFs are applicable to all circuit-mode basic services as defined in ETS 300 171 [1].

This ETS contains the stage 2 specifications of ANF-CTMI and ANF-CTMO. It identifies the functional entities involved in the feature and the information flows between them. The specification of information flows between the PISN and cordless terminals is beyond the scope of this ETS. ANF specifications are produced in three stages according to the method specified in ETS 300 387 [4].

The purpose of the stage 2 specification is to guide and constrain the work on signalling protocols at stage 3, while fulfilling the requirements of stage 1. Stage 1 and stage 3 are defined in separate standards.

Conformance to this ETS is met by conforming to a stage 3 standard which fulfils the requirements of this ETS that are relevant to the equipment for which the stage 3 standard applies. Therefore, no method of testing is provided for this ETS.

2 Normative references

This ETS 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 only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- | | |
|-----|--|
| [1] | ETS 300 171 (1992): "Private Telecommunication Network (PTN); Specification, functional models and information flows; Control aspects of circuit mode basic services". |
| [2] | ETS 300 415 (1995): "Private Telecommunication Network (PTN); Terms and definitions". |
| [3] | ETS 300 237 (1993): "Private Telecommunication Network (PTN) – Specification, functional model and information flows - Name identification supplementary services". |
| [4] | ETS 300 387 (1994): "Private Telecommunication Network (PTN); Method for the specification of basic and supplementary services". |
| [5] | ITU-T Recommendation I.210 (1993): "Principles of telecommunication services supported by an ISDN and the means to describe them". |
| [6] | ITU-T Recommendation Z.100 (1993): "Specification and description language (SDL)". |
| [7] | ISO/IEC 11579-1 (1994): "Information technology - Telecommunications and information exchange between systems - Private Integrated Services Network - Part 1: Reference configurations for PISN exchanges (PINX)". |

- [8] ISO/IEC 11571 (1994): "Information technology - Telecommunications and information exchange between systems - Numbering and Sub-addressing in Private Integrated Services Network".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of this ETS, the following definitions apply:

Additional Network Feature (ANF): See ETS 300 415 [2].

address: See ETS 300 415 [2].

call; basic call: See ETS 300 171 [1].

calling user's name: See ETS 300 237 [3]

Cordless Terminal Mobility (CTM): The ability of a cordless terminal to be in continuous motion whilst accessing and using the telecommunications services offered by the PISN as well as the capability of the network to keep track of the location of the cordless terminal within the coverage area of the radio system used.

CTM user: A PISN user whose calls are processed by either or both of the CTMI and CTMO ANFs.

fixed part: A physical grouping of some or all of the fixed component parts of mobile radio system. These would include one or more items of radio equipment attached to an antenna system. It could also include common control functions and interfaces to the PTNX.

Home Data Base (HDB): See ETS 300 415 [2].

home PINX: The PINX which has direct access to the HDB entry for a particular CTM user.

Private Integrated Services Network (PISN): See ISO/IEC 11579-1 [7].

Private Integrated Services Network Exchange (PINX): See ISO/IEC 11579-1 [7].

PISN number: See ISO/IEC 11571 [8].

signalling connection: A means of conveying supplementary service requests, independent of a basic call.

supplementary service: See ITU-T Recommendation I.210 [5].

Visitor Data Base (VDB): See ETS 300 415 [2].

visitor PINX: The PINX which has direct access to the VDB currently associated with a particular CTM user.

This ETS Refers To The Following Functional Entities (FES) Defined For Basic Call Control (see ETS 300 171 [1]):

**Call Control (CC);
Call Control Agent (CCA).**

This ETS refers to the following inter-FE relationships defined for basic call control (see ETS 300 171 [1]):

r1;
r2;
r3.

