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Zasebno omrežje z integriranimi storitvami (PISN) - Specifikacija, funkcijski modeli in informacijski pretoki – Vidiki krmiljenja za vodovne osnovne storitve [ISO/IEC 11574 (1994), spremenjen]

Private Integrated Services Network (PISN); Specification, functional models and information flows; Control aspects of circuit-mode basic services [ISO/IEC 11574 (1994) modified]

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Private Integrated Services Network (PISN); Specification, functional models and information flows; Control aspects of circuit-mode basic services

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ETSI Secretariat

Postal address
F-06921 Sophia Antipolis Cedex - FRANCE

iTeh STANDARD PREVIEW

Office address

(standards.iteh.ai)
650 Route des Lucioles - Sophia Antipolis
Valbonne - FRANCE
Tel.: +33 4 92 94 42 00   Fax: +33 4 93 65 47 16
Siret N° 348 623 562 00017 - NAF 742 C
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Internet
secretariat@etsi.fr
http://www.etsi.fr

Foreword

This European Standard (EN) has been produced by ECMA on behalf of its members and those of the European Telecommunications Standards Institute (ETSI).

The present document is one of a series of standards defining services and signalling protocols applicable to Private Integrated Services Networks (PISN). The series uses the Integrated Services Digital Network (ISDN) concepts as developed by ITU-T and conforms to the framework of standards for Open Systems Interconnection (OSI) as defined by ISO/IEC.

The present document contains specifications of basic services.

The previous (first) edition of the present document contained a "standalone" specification of the basic services. This edition endorses an International Standard, ISO/IEC 11574 and an amendment to that International Standard, published since the publication of the first edition of the present document.

National transposition dates	
Date of adoption of this EN	5 September 1997
Date of latest announcement of this EN (doa):	31 December 1997
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	30 June 1998
Date of withdrawal of any conflicting National Standard (dow):	30 June 1998

Endorsement notice

The text of International Standard ISO/IEC 11574 (1994), together with Amendment 1 (1997) to that text, was approved by ETSI as an EN with agreed modifications as given below.

> NOTE: New or modified text is indicated using sidebars. In addition, underlining and/or strike-out are used to highlight detailed modifications where necessary.

Clause 2

Replace the first paragraph by:

The present document incorporates by dated and 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 the present document only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

Insert the following new subclause at the end of clause 2:

2.3   European Standards

[15]   ETS 300 189 (1992): "Private Telecommunication Network (PTN); Addressing".

[16]   ETS 300 387 (1994): "Private Telecommunication Network (PTN); Method for the specification of basic and supplementary services".

[17]   ETS 300 475-1 (1995): "Private Integrated Services Network (PISN); Reference configuration - Part 1: Reference configuration for PISN eXchanges (PINXs)".

Throughout the text of ISO/IEC 11574

Throughout the text of ISO/IEC 11574, replace references as shown in the table below:

Reference in ISO/IEC 11574	Modified reference
ITU-T Recommendation I.130	ETS 300 387 [16]
ISO/IEC 11571	ETS 300 189 [15]
ISO/IEC 11579-1	ETS 300 475-1 [17]

Throughout the text of ISO/IEC 11574

Throughout the text of ISO/IEC 11574, replace the term "International Standard" by "EN".

Subclause 5.2

Replace the last paragraph (beginning "Annex B provides …") with:

"Annex B provides guidelines for, and additional information about, teleservices.".

Annex B

Replace the existing annex B (normative) "Telephony teleservice" with the following annex B (normative):

Annex B (normative): Teleservices

B.1   General

A PISN can support teleservices requiring the same bearer capabilities as the bearer services specified in the present document. These teleservices include, for example:

- Telephony 3,1 kHz teleservice;

- Telefax group 4 teleservice; and

- Circuit-mode syntax-based videotex teleservice.

The support by a PISN of one or more of these teleservices is optional. However, if a PISN supports one or more of these teleservices then it shall comply with this annex.

The bearer capabilities and other special requirements used to support these teleservices are specified below. Otherwise, the impact of these teleservices on the network is the same as for the corresponding bearer service.

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The PISN shall convey an indication of the teleservice being used as High Layer Compatibility (HLC) information, from the calling PISN user to the called PISN user. Any use of this indication by the PISN is outside the scope of the present document.

A PISN may reject a request for a teleservice if the requested bearer capabilities are not those specified in this annex.

   NOTE 1: Additional information can be found in the following ETSs:

          ETS 300 111 (Telephony 3,1 kHz);

          ETS 300 120 (Telefax group 4); and

          ETS 300 262 (Circuit-mode syntax-based videotex).

   NOTE 2: The support of other teleservices is not precluded. ETR 018 and ETR 076 contain guidance regarding other teleservices that can be supported using the bearer capabilities defined by the present document.

High layer functions for interworking between these teleservices and non-ISDN networks are beyond the scope of the present document.

B.2   Telephony 3,1 kHz teleservice

When this teleservice is required, the bearer capability requested shall comply with the low layer attributes specified in table B.1 below.

Table B.1: Low layer attributes for telephony 3,1 kHz teleservice

Low layer attribute	Attribute value
1) Information transfer mode:	circuit
2) Information transfer rate:	64 kbit/s
3) Information transfer capability:	speech (see note 1)
4) Structure:	8 kHz integrity
5) Establishment of communication:	demand
6) Symmetry:	bi-directional symmetric
7) Communication configuration:	point-to-point
8) Access channel (see note 2):	B
9) Access protocol (see note 2):	ITU-T Recommendation G.711 (A-law or μ-law).
NOTE 1: In interworking situations the information transfer capability can default to 3,1 kHz audio. NOTE 2: Attribute refers only to the user information and not to the signalling information.	

B.3   Telefax group 4 teleservice

When this teleservice is required, the bearer capability requested shall comply with the low layer attributes specified in table B.2 below.

Table B.2: Low layer attributes for telefax group 4 teleservice

Low layer attribute	Attribute value
1) Information transfer mode:	circuit
2) Information transfer rate:	64 kbit/s
3) Information transfer capability:	unrestricted
4) Structure:	unstructured (see note 1)
5) Establishment of communication:	demand
6) Symmetry:	bi-directional symmetric
7) Communication configuration:	point-to-point
8) Access channel (see note 2):	B
9) Access protocol (see note 2):	ISO/IEC 7776 and ISO/IEC 8208 (see note 3)
NOTE 1: Even if no structure is required, the network may provide 8 kHz integrity. NOTE 2: Attribute refers only to the user information and not to the signalling information. NOTE 3: The use of a packet-mode bearer capability to support this teleservice is outside the scope of this edition of the present document.	

B.4   Circuit-mode syntax-based videotex teleservice

When this teleservice is required, the bearer capability requested shall comply with the low layer attributes specified in table B.3 below.

Table B.3: Low layer attributes for circuit-mode syntax-based videotex teleservice

Low layer attribute	Attribute value
1) Information transfer mode:	circuit
2) Information transfer rate:	64 kbit/s
3) Information transfer capability:	unrestricted
4) Structure:	unstructured (see note 1)
5) Establishment of communication:	demand
6) Symmetry:	bi-directional symmetric
7) Communication configuration:	point-to-point
8) Access channel (see note 2):	B
9) Access protocol (see note 2):	ISO/IEC 7776 and ISO/IEC 8208 (see note 3)
NOTE 1: Even if no structure is required, the network may provide 8 kHz integrity.	
NOTE 2: Attribute refers only to the user information and not to the signalling information.	
NOTE 3: The use of a packet-mode bearer capability to support this teleservice is outside the scope of this edition of the present document.	

Annex C

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Add the following bibliographic references to annex C:
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[10]   ETR 018 (1995): "Integrated Services Digital Network (ISDN); Application of the Bearer Capability (BC), High Layer Compatibility (HLC) and Low Layer Compatibility (LLC) information elements by terminals supporting ISDN services" 4th edition.

[11]   ETR 076 (1995): "Integrated Services Digital Network (ISDN); Standards guide" 3rd edition.

[12]   ETS 300 111 (1992): "Integrated Services Digital Network (ISDN); Telephony 3,1 kHz teleservice Service description".

[13]   ETS 300 120 (1992): "Integrated Services Digital Network (ISDN); Service requirements for telefax group 4".

[14]   ETS 300 262 (1993): "Integrated Services Digital Network (ISDN); Syntax-based Videotex teleservice Service description".