

**Private Integrated Services Network (PISN);  
Inter-exchange signalling protocol;  
Advice of charge supplementary services**

[ISO/IEC 15050 (2003), modified]



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**Reference**

REN/ECMA-00253

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**Keywords**

endorsement, PISN, PSS1, QSIG, supplementary service, VPN

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## Foreword

This European Standard (Telecommunications series) has been produced by ECMA on behalf of its members and those of the European Telecommunications Standards Institute (ETSI), and is now submitted for the ETSI standards One-step Approval Procedure.

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 specifies the signalling protocol for use at the Q reference point in support of the Advice Of Charge supplementary services.

The protocol defined in the present document forms part of the PSS1 protocol (informally known as QSIG).

The present document endorses an International Standard, ISO/IEC 15050.

Proposed national transposition dates	
Date of latest announcement of this EN (doa):	3 months after ETSI publication
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	6 months after doa
Date of withdrawal of any conflicting National Standard (dow):	6 months after doa

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## Endorsement notice

The elements of International Standard ISO/IEC 15050 (2003) apply with the following modifications.

## Clause 3

Replace the first paragraph by:

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication and/or edition number or version number) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.

Referenced documents which are not found to be publicly available in the expected location might be found at <http://docbox.etsi.org/Reference>.

Insert the following normative references at the end of clause 3:

- |      |   |
|------|---|
| [16] | ETSI EN 300 172: "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Circuit-mode basic services [ISO/IEC 11572 (2000), modified]".  |
| [17] | ETSI EN 300 171: "Private Integrated Services Network (PISN); Service description, functional capabilities and information flows; Circuit-mode 64 kbit/s bearer services [ISO/IEC 11574 (2000), modified]". |
| [18] | ETSI ETS 300 475-1: "Private Telecommunications Network (PTN); Reference configuration; Part 1: Reference configuration for PTN eXchanges (PTNXs) [ISO/IEC 11579-1 (1994), modified]".                      |
| [19] | ETSI EN 300 239: "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Generic functional protocol for the support of supplementary services [ISO/IEC 11582 (2002), modified]".  |
| [20] | ETSI EN 300 260: "Private Integrated Services Network (PISN); Specification, functional models and information flows; Call transfer supplementary service [ISO/IEC 13865 (2003), modified]".                |
| [21] | ETSI EN 300 261: "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Call transfer supplementary service [ISO/IEC 13869 (2003), modified]".                                    |
| [22] | ETSI EN 300 257: "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Call diversion supplementary service [ISO/IEC 13873 (2003), modified]".                                   |
| [23] | ETSI EN 301 254: "Private Integrated Services Network (PISN); Specification, functional models and information flows; Advice of charge supplementary service [ISO/IEC 15049 (1997), modified]".             |
| [24] | ETSI EN 301 265: "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Call interception Additional Network Feature (ANF) [ISO/IEC 15054 (2003), modified]".                     |
| [25] | ETSI EN 301 827: "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Wireless terminal call handling Additional Network Features (ANF) [ISO/IEC 15431 (2003), modified]".      |

## Throughout the text of ISO/IEC 15050

Replace references as shown in the table below.

Reference in ISO/IEC 15050	Modified reference
ISO/IEC 11572	EN 300 172 [16]
ISO/IEC 11574	EN 300 171 [17]
ISO/IEC 11579-1	ETS 300 475-1 [18]
ISO/IEC 11582	EN 300 239 [19]
ISO/IEC 13865	EN 300 260 [20]
ISO/IEC 13869	EN 300 261 [21]
ISO/IEC 13873	EN 300 257 [22]
ISO/IEC 15049	EN 301 254 [23]
ISO/IEC 15054	EN 301 265 [24]
ISO/IEC 15431	EN 301 827 [25]

Replace the terms "this International Standard" by "the present document".

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## History

Document history		
V1.1.1	October 1998	Publication
V1.2.1	August 2003	One-step Approval Procedure      OAP 20031219:    2003-08-20 to 2003-12-19