

# ETSI EN 301 923 V1.1.1 (2004-01)

---

*European Standard (Telecommunications series)*

**Private Integrated Services Network (PISN);  
Inter-exchange signalling protocol;  
Call identification and call linkage  
Additional Network Feature (ANF)**

[ISO/IEC 21889 (2001), modified]

---



---

Reference

DEN/ECMA-00203

---

Keywords

ANF, endorsement, PISN, PSS1, QSIG, stage 3

**ETSI**

650 Route des Lucioles  
F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C  
Association à but non lucratif enregistrée à la  
Sous-Préfecture de Grasse (06) N° 7803/88

---

**Important notice**

Individual copies of the present document can be downloaded from:

<http://www.etsi.org>

The present document may be made available in more than one electronic version or in print. In any case of existing or perceived difference in contents between such versions, the reference version is the Portable Document Format (PDF). In case of dispute, the reference shall be the printing on ETSI printers of the PDF version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status. Information on the current status of this and other ETSI documents is available at

<http://portal.etsi.org/tb/status/status.asp>

If you find errors in the present document, send your comment to:

[editor@etsi.org](mailto:editor@etsi.org)

---

**Copyright Notification**

No part may be reproduced except as authorized by written permission.  
The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 2004.  
All rights reserved.

**DECT™**, **PLUGTESTS™** and **UMTS™** are Trade Marks of ETSI registered for the benefit of its Members.  
**TIPHON™** and the **TIPHON logo** are Trade Marks currently being registered by ETSI for the benefit of its Members.  
**3GPP™** is a Trade Mark of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners.

---

## Intellectual Property Rights

IPRs essential or potentially essential to the present document may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: "*Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards*", which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (<http://webapp.etsi.org/IPR/home.asp>).

Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

---

## 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).

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 Call Identification and Call Linkage Additional Network Feature.

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 21889.

<b>National transposition dates</b>	
Date of adoption of this EN:	19 December 2003
Date of latest announcement of this EN (doa):	31 March 2004
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	30 September 2004
Date of withdrawal of any conflicting National Standard (dow):	30 September 2004

---

## Endorsement notice

The elements of International Standard ISO/IEC 21889 (2001) 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:

- |      |   |
|------|---|
| [29] | ETSI EN 300 189: "Private Integrated Services Network (PISN); Addressing [ISO/IEC 11571 (1998), modified]".   |
| [30] | ETSI EN 300 172: "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Circuit-mode basic services [ISO/IEC 11572 (2000), modified]".  |
| [31] | 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]". |
| [32] | ETSI ETS 300 475-1: "Private Telecommunication Network (PTN); Reference configuration; Part 1: Reference configuration for PTN eXchanges (PTNXs) [ISO/IEC 11579-1 (1994), modified]".                       |
| [33] | 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]".  |
| [34] | ETSI EN 300 261: "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Call transfer supplementary service [ISO/IEC 13869 (2003), modified]".                                    |
| [35] | ETSI EN 300 366: "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Call completion supplementary services [ISO/IEC 13870 (2003), modified]".                                 |
| [36] | ETSI EN 300 257: "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Call diversion supplementary service [ISO/IEC 13873 (2003), modified]".                                   |
| [37] | ETSI EN 300 259: "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Path replacement Additional Network Feature (ANF) [ISO/IEC 13874 (2003), modified]".                      |
| [38] | ETSI EN 300 362: "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Call offer supplementary service [ISO/IEC 14843 (2003), modified]".                                       |
| [39] | ETSI EN 300 364: "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Do not disturb and do not disturb override supplementary services [ISO/IEC 14844 (2003), modified]".      |
| [40] | ETSI EN 300 426: "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Call intrusion supplementary service [ISO/IEC 14846 (2003), modified]".                                   |
| [41] | ETSI EN 301 265: "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Call interception Additional Network Feature (ANF) [ISO/IEC 15054 (2003), modified]".                     |

- [42] ETSI EN 301 825: "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Wireless terminal location registration supplementary service and wireless terminal information exchange Additional Network Feature (ANF) [ISO/IEC 15429 (2003), modified]".
- [43] ETSI EN 301 827: "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Wireless terminal call handling Additional Network Feature (ANF) [ISO/IEC 15431 (2003), modified]".
- [44] ETSI EN 301 829: "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Wireless terminal authentication supplementary service [ISO/IEC 15433 (2003), modified]".
- [45] ETSI EN 301 656: "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Call priority interruption and call priority interruption protection supplementary services [ISO/IEC 15992 (2003), modified]".
- [46] ETSI EN 301 821: "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Private User Mobility (PUM); Registration supplementary service [ISO/IEC 17876 (2003), modified]".
- [47] ETSI EN 301 810: "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Private User Mobility (PUM); Call handling Additional Network Feature (ANF) [ISO/IEC 17878 (2003), modified]".
- [48] ETSI EN 301 919: "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Single step call transfer supplementary service [ISO/IEC 19460 (2003), modified]".
- [49] ETSI EN 301 922: "Private Integrated Services Network (PISN); Specification, functional model and information flows; Call identification and call linkage additional network features (ANF) [ISO/IEC 21888 (2001), modified]".

## Throughout the text of ISO/IEC 21889

Replace references as shown in the table below.

Reference in ISO/IEC 21889	Modified reference
ISO/IEC 11571	EN 300 189 [29]
ISO/IEC 11572	EN 300 172 [30]
ISO/IEC 11574	EN 300 171 [31]
ISO/IEC 11579-1	ETS 300 475-1 [32]
ISO/IEC 11582	EN 300 239 [33]
ISO/IEC 13869	EN 300 261 [34]
ISO/IEC 13870	EN 300 366 [35]
ISO/IEC 13873	EN 300 257 [36]
ISO/IEC 13874	EN 300 259 [37]
ISO/IEC 14843	EN 300 362 [38]
ISO/IEC 14844	EN 300 364 [39]
ISO/IEC 14846	EN 300 426 [40]
ISO/IEC 15054	EN 301 265 [41]
ISO/IEC 15429	EN 301 825 [42]
ISO/IEC 15431	EN 301 827 [43]
ISO/IEC 15433	EN 301 829 [44]
ISO/IEC 15992	EN 301 656 [45]
ISO/IEC 17876	EN 301 821 [46]
ISO/IEC 17878	EN 301 810 [47]
ISO/IEC 19460	EN 301 919 [48]
ISO/IEC 21888	EN 301 922 [49]

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

---

## History

<b>Document history</b>		
V1.1.1	August 2003	One-step Approval Procedure OAP 20031219: 2003-08-20 to 2003-12-19
V1.1.1	January 2004	Publication