



**E**UROPEAN  
**T**ELECOMMUNICATION  
**S**TANDARD

**ETS 300 475-1**

October 1995

---

Source:ETSI TC-BTC

Reference:DE/BTC-01022

ICS: 35.120

**Key words:** PTN, PTNX, configuration

**Private Telecommunication Network (PTN);  
Reference configuration;  
Part 1: Reference configuration for PTN eXchanges (PTNX)**

**[ISO/IEC 11579-1 (1994), modified]**

**ETSI**

European Telecommunications Standards Institute

**ETSI Secretariat**

**Postal address:** F-06921 Sophia Antipolis CEDEX - FRANCE

**Office address:** 650 Route des Lucioles - Sophia Antipolis - Valbonne - FRANCE

**X.400:** c=fr, a=atlas, p=etsi, s=secretariat - **Internet:** secretariat@etsi.fr

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

---

**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 1995. All rights reserved.

## Foreword

Part 1 of this final draft European Telecommunication Standard (ETS) has been produced by the Business Telecommunications (BTC) Technical Committee of the European Telecommunications Standards Institute (ETSI), and is now submitted for the Voting phase of the ETSI standards approval procedure.

This ETS is intended to comprise 3 Parts, currently being developed both in ISO/IEC JTC1 and ETSI TC-BTC:

"Private Telecommunication Network (PTN); Reference configuration;

### **Part 1: Reference configuration for PTN eXchanges (PTNX);**

Part 2: Reference configuration for High-Speed PTN eXchanges;

Part 3: Reference configuration for PTNX Extension Lines".

The contents of this ETS and by implication, the contents of ISO/IEC 11579-1 (1994) are in replacement of CENELEC ENV 41004 "Reference configuration for connectivity relations of private telecommunication network exchanges". In accordance with previous agreements between CENELEC and ETSI, ENV 41004 will be withdrawn when this new ETS is adopted.

<b>Proposed transposition dates</b>	
Date of adoption of this ETS:	13 October 1995
Date of latest announcement of this ETS (doa):	31 January 1996
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 July 1996
Date of withdrawal of any conflicting National Standard (dow):	31 July 1996

## **Endorsement notice**

The text of International Standard ISO/IEC 11579-1 (1994) was approved by ETSI as an ETS with agreed modifications as given below.

NOTE: New or modified text is indicated using sidebars.

### Page 1, clause 1 (Scope)

Add the following text at the end of clause 1:

This ETS only specifies a reference configuration in which the information flows at the C reference point and the information flows at the T reference point are separated.

This ETS is applicable to other ETSs covering Private Telecommunications Networks (PTNs). Another ETS is deemed to be in compliance with this ETS if it makes reference to, or makes use of, concepts defined by this ETS.

### Page 1, clause 2 (Normative references)

Insert the following normative reference at the end of clause 2:

[3] ETS 300 415 (1995): "Private Telecommunication Network (PTN); Terms and definitions".

### Page 1, subclause 4.4 (private integrated services network (PISN))

In subclause 4.4, replace the term "private integrated services network (PISN)" and its definition by the term and definition of "Private Telecommunication Network (PTN)" as given in ETS 300 415 [3], subclause 4.3:

"A network serving a pre-determined set of users (different from a public network which provides services to the general public). The attribute "private" does not indicate any aspects of ownership.

NOTE 1: This definition does not include legal or regulatory aspects.

NOTE 2: PTNs are sometimes referred to as **Corporate Telecommunication Networks (CTNs)**. PTNs may extend over large geographical areas. This definition does not imply any specific implementation.

NOTE 3: It is the intention to align the definition of "PTN" with that of "Private Integrated Services Network (PISN)" as defined by ISO/IEC 11579-1. This will facilitate the evolution towards the consistent world-wide use of the term "PISN". This will not invalidate the scope of the services standardized by ETSI for PTNs".

### Page 2, subclause 4.5 (private integrated services network exchange (PINX))

In subclause 4.5, replace the term "private integrated services network exchange (PINX)" and its definition by the term and definition of "Private Telecommunication Network eXchange (PTNX)" as given in ETS 300 415 [3], subclause 4.4:

"A PTN nodal entity that provides automatic switching and call handling functions used for the provision of telecommunication services. The nodal entity can be implemented by one or more pieces of equipment located on the premises of the private network administrator or by equipment co-located with, or physically part of, a public network.

NOTE 1: If applicable, a PTNX provides to users of the same and/or other private telecommunication network exchanges:

- telecommunication services within its own area; and/or
- telecommunication services from the public ISDN; and/or
- telecommunication services from other public or private networks; and/or
- within the context of a private telecommunication network, telecommunication services from other private telecommunication network exchanges.

NOTE 2: It is the intention to align the definition of "PTNX" with that of "Private Integrated services Network eXchange (PINX)" as defined by ISO/IEC 11579-1. This will facilitate the evolution towards the consistent world-wide use of the term "PINX".

A PTNX may perform the functions of one or more of the node types given in subclauses 4.4.1 and 4.4.2".

## History

Document history			
December 1994	Public Enquiry	PE 75:	1994-12-05 to 1995-03-31
June 1995	Vote	V 84:	1995-07-24 to 1995-09-15
October 1995	First Edition		
February 1996	Converted into Adobe Acrobat Portable Document Format (PDF)		