



**SLOVENSKI STANDARD**  
**SIST ETS 300 270 E1:2003**

**01-december-2003**

---

Ca fYyb]j ]X] ]fB5LËJY'Ya Yglbc`ca fYy'YfA 5BLË?cbj Yf[ Yb b]`dcglcdY\_`bU  
Zn] b]`d`Ugh]fD@ DL'nU\ ]fbcgh' ( ž \*, `A V]h]g`È`n'Uj Uc`g\_`UXbcgh]`nj YXVYdfcfc\_c`U  
fD7 GL

Network Aspects (NA); Metropolitan Area Network (MAN); Physical Layer Convergence  
Procedure (PLCP) for 34,368 Mbit/s Protocol Implementation Conformance Statement  
(PICS)

**iteh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST ETS 300 270 E1:2003](https://standards.iteh.ai/catalog/standards/sist/60ac8526-f5d2-4f48-b832-cb5ffa023ce1/sist-ets-300-270-e1-2003)

[https://standards.iteh.ai/catalog/standards/sist/60ac8526-f5d2-4f48-b832-](https://standards.iteh.ai/catalog/standards/sist/60ac8526-f5d2-4f48-b832-cb5ffa023ce1/sist-ets-300-270-e1-2003)

[cb5ffa023ce1/sist-ets-300-270-e1-2003](https://standards.iteh.ai/catalog/standards/sist/60ac8526-f5d2-4f48-b832-cb5ffa023ce1/sist-ets-300-270-e1-2003)

**Ta slovenski standard je istoveten z: ETS 300 270 Edition 1**

---

**ICS:**

35.110            Omreževanje            Networking

**SIST ETS 300 270 E1:2003**            en

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST ETS 300 270 E1:2003](#)

<https://standards.iteh.ai/catalog/standards/sist/60ac8526-f5d2-4f48-b832-cb5ffa023ce1/sist-ets-300-270-e1-2003>



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

**ETS 300 270**

March 1994

Source: ETSI TC-NA

Reference: DE/NA-053028

ICS: 33.080

**Key words:** MAN, PICS

iTeh STANDARD PREVIEW  
(standards.iteh.ai)

**Network Aspects (NA);  
Metropolitan Area Network (MAN)  
Physical Layer Convergence Procedure (PLCP) for 34,368 Mbit/s  
Protocol implementation Conformance Statement (PICS)**

<https://standards.iteh.ai/catalog/standards/sist/60ac8526-f5d2-4f48-b832->

**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 1994. All rights reserved.

## iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST ETS 300 270 E1:2003](https://standards.iteh.ai/catalog/standards/sist/60ac8526-f5d2-4f48-b832-cb5ffa023ce1/sist-ets-300-270-e1-2003)

<https://standards.iteh.ai/catalog/standards/sist/60ac8526-f5d2-4f48-b832-cb5ffa023ce1/sist-ets-300-270-e1-2003>

## Contents

Foreword .....	5
1 Scope .....	7
2 Normative references .....	7
3 Definitions.....	7
4 Symbols and abbreviation .....	7
5 PICS for the PLCP for E3 based systems.....	8
5.1 E3 relationship to the PLCP .....	8
5.2 The PLCP frame format.....	8
5.3 PLCP field definitions.....	9
5.4 PLCP behaviour during faults .....	10
5.5 PLCP behaviour during DQDB layer out of service.....	10
5.6 PLCP framing .....	10
5.6.1 Link status signal operations table .....	11
5.6.2 Physical layer frame timing operations table .....	11
History .....	12

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST ETS 300 270 E1:2003](https://standards.iteh.ai/catalog/standards/sist/60ac8526-f5d2-4f48-b832-cb5ffa023ce1/sist-ets-300-270-e1-2003)

<https://standards.iteh.ai/catalog/standards/sist/60ac8526-f5d2-4f48-b832-cb5ffa023ce1/sist-ets-300-270-e1-2003>

Blank page

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST ETS 300 270 E1:2003](https://standards.iteh.ai/catalog/standards/sist/60ac8526-f5d2-4f48-b832-cb5ffa023ce1/sist-ets-300-270-e1-2003)

<https://standards.iteh.ai/catalog/standards/sist/60ac8526-f5d2-4f48-b832-cb5ffa023ce1/sist-ets-300-270-e1-2003>

## Foreword

This European Telecommunication Standard (ETS) has been prepared by the Network Aspects (NA) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This ETS defines the Protocol Implementation Conformance Statement (PICS) for the Physical Layer Convergence Procedure (PLCP) for a European Metropolitan Area Network (MAN) based on the Distributed Queue Dual Bus (DQDB) access method as defined in ETS 300 212 [2] operating at a transmission rate of 34,368 Mbit/s in accordance with ETS 300 214 [1].

## iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST ETS 300 270 E1:2003](https://standards.iteh.ai/catalog/standards/sist/60ac8526-f5d2-4f48-b832-cb5ffa023ce1/sist-ets-300-270-e1-2003)

<https://standards.iteh.ai/catalog/standards/sist/60ac8526-f5d2-4f48-b832-cb5ffa023ce1/sist-ets-300-270-e1-2003>

Blank page

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST ETS 300 270 E1:2003](https://standards.iteh.ai/catalog/standards/sist/60ac8526-f5d2-4f48-b832-cb5ffa023ce1/sist-ets-300-270-e1-2003)

<https://standards.iteh.ai/catalog/standards/sist/60ac8526-f5d2-4f48-b832-cb5ffa023ce1/sist-ets-300-270-e1-2003>



## 1 Scope

This European Telecommunication Standard (ETS) defines the Protocol Implementation Conformance Statement (PICS) for the Physical Layer Convergence Procedure (PLCP) at 34,368 Mbit/s for use in the context of a subnetwork of a Metropolitan Area Network (MAN) as defined in ETS 300 214 [1].

## 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 below. For dated references, subsequent amendments to or revisions of these publications apply to this ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- [1] ETS 300 214: "Network Aspects (NA); Metropolitan Area Network (MAN) Physical layer convergence procedure for 34,368 Mbit/s".
- [2] ETS 300 212: "Network Aspects (NA); Metropolitan Area Network (MAN) Media access control layer and physical layer specification".
- [3] IEEE Standard 802.6 (1990): "Distributed Queue Dual Bus (DQDB) Subnetwork of a Metropolitan Area Network".

## 3 Definitions

For the purposes of this ETS, the definitions as defined in IEEE Standard 802.6 [3] shall apply.

## 4 Symbols and abbreviation

For the purposes of this ETS, the symbols and abbreviations as defined in IEEE Standard 802.6 [3] shall apply.

<https://standards.iteh.ai/catalog/standards/sist/60ac8526-f5d2-4f48-b832-ch595023ca1/sist-ets-300-270-e1-2003>

Additionally, for this PICS proforma, the following abbreviations are used in defining the support type of a feature, parameter or capability:

m	mandatory
o	optional
c	conditional
d	default value defined
n/a	not applicable

When used in the column labelled "Value" the following abbreviations are defined:

xx - yy	from number xx to number yy
xx/yy	either number xx or number yy applies, depending on the actual conditions

For each of the conditional items, an explanation of the parameter or capability under which the feature, parameter or capability is mandatory is given in the Clause or subclause in which the conditional items appear.

The notation X\_ in the column "Support" means that numbers may be entered in this place pointing to notes which indicate deviation from the standard.