



**SLOVENSKI STANDARD**  
**SIST EN ISP 10609-12:1997**  
**01-december-1997**

**Information technology - International Standardized Profile TB, TC, TD and TE - Connection-mode Transport Service over connection-mode Network Service - Part 12: Definition of profile TC51, provision of the OSI connection-mode Transport Service using the OSI connection-mode Network Service in an End System attached to a CSMA/CD LAN (ISO/IEC ISP 10609-12:1994)**

Information technology - International Standardized Profile TB, TC, TD and TE - Connection-mode Transport Service over connection-mode Network Service - Part 12: Definition of profile TC51, provision of the OSI connection-mode Transport Service using the OSI connection-mode Network Service in an End System attached to a CSMA/CD LAN (ISO/IEC ISP 10609-12:1994)

[SIST EN ISP 10609-12:1997](https://standards.iteh.ai/catalog/standards/sist/ab356769-b3e9-4064-b7ba-7354f17977a8/sist-en-isp-10609-12-1997)  
<https://standards.iteh.ai/catalog/standards/sist/ab356769-b3e9-4064-b7ba-7354f17977a8/sist-en-isp-10609-12-1997>

Technologie de l'information - Profils normalisés internationaux TB, TC, TD et TE - Service de transport en mode connexion sur service de réseau en mode connexion - Partie 12: Définition du profil TC51, fourniture du service de transport en mode connexion OSI utilisant le service de réseau en mode connexion OSI dans un système final attaché à un RLE AMDP-DC (ISO/IEC ISP 10609-12:1994)

**Ta slovenski standard je istoveten z: EN ISP 10609-12:1996**

**ICS:**

35.100.05 X^ • [[ b ^ Á ] [ | æ } ž \ ^ Multilayer applications  
 | ^ z ā ċ ^

**SIST EN ISP 10609-12:1997 en**

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

[SIST EN ISP 10609-12:1997](https://standards.iteh.ai/catalog/standards/sist/ab356769-b3e9-4064-b7ba-7354f17977a8/sist-en-isp-10609-12-1997)

<https://standards.iteh.ai/catalog/standards/sist/ab356769-b3e9-4064-b7ba-7354f17977a8/sist-en-isp-10609-12-1997>

EUROPEAN STANDARD

EN ISP 10609-12

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 1996

ICS 35.100

Supersedes ENV 41103-3:1992

Descriptors: See ISO document

English version

Information technology - International  
Standardized Profile TB,TC,TD and TE -  
Connection-mode Transport Service over  
connection-mode Network Service - Part 12:  
Definition of profile TC51, provision of the OSI  
connection-mode Transport Service using the OSI  
connection-mode Network Service in an End  
System attached to a CSMA/CD LAN (ISO/IEC  
ISP 10609-12:1994)

Technologies de l'information - Profils  
normalisés internationaux TB,TC, TD et TE -  
Service de transport en mode connexion sur  
service de réseau en mode connexion - Partie  
12: Définition du profil TC51, fourniture du  
service de transport en mode connexion OSI  
utilisant le service de réseau en mode  
connexion OSI dans un système final attaché à un  
RLE AMDP-DC (ISO/IEC ISP 10609-12:1994)



REPUBLICA SLOVENIJA  
MINISTRSTVO ZA ZNANOST IN TEHNOLOGIJO  
Urad RS za standardizacijo in meroslovje  
LJUBLJANA

SIST... EN ISP 10609-12

PREVZET PO METODI RAZGLASITVE

-12- 1997

This European Standard was approved by CEN on 1995-10-04. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

# CEN

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

© 1996

All rights of reproduction and communication in any form and by any means reserved in all countries to CEN and its members.

Ref. No. EN ISP 10609-12:1996 E

Page 2

EN ISP 10609-12:1996

### Foreword

The text of the International Standard from ISO/IEC/JTC 1 "Information Technology" of the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) has been taken over as a European Standard by CEN Technical Board.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by July 1996, and conflicting national standards shall be withdrawn at the latest by July 1996.

According to the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

### Endorsement notice

The text of the International Standard ISO/IEC ISP 10609-12:1992 has been approved by CEN as a European Standard without any modification.

NOTE: EN ISP 10609 - Part 12 replaces ENV 41103-3:1992.

For the time being, this document exists in the English version only.

SIST EN ISP 10609-12:1997

<https://standards.iteh.ai/catalog/standards/sist/ab356769-b3e9-4064-b7ba-7354f17977a8/sist-en-isp-10609-12-1997>

INTERNATIONAL  
STANDARDIZED  
PROFILE

**ISO/IEC**  
**ISP**  
**10609-12**

First edition  
1994-12-15

---



---

**Information technology — International  
Standardized Profiles TB, TC, TD and  
TE — Connection-mode Transport Service  
over connection-mode Network Service —  
(Part 12:**

**Definition of profile TC51, provision of the OSI  
connection-mode Transport Service using the  
OSI connection-mode Network Service in an  
End System attached to a CSMA/CD LAN**

*Technologies de l'information — Profils normalisés internationaux TB, TC,  
TD et TE — Service de transport en mode connexion sur service de  
réseau en mode connexion —*

*Partie 12: Définition du profil TC51, fourniture du service de transport en  
mode connexion OSI utilisant le service de réseau en mode connexion  
OSI dans un système final attaché à un RLE AMDP-DC*



Reference number  
ISO/IEC ISP 10609-12:1994(E)

## ISO/IEC ISP 10609-12:1994(E)

Contents	Page
Foreword .....	iii
Introduction .....	v
1 Scope .....	1
1.1 General .....	1
1.2 Position within the taxonomy .....	1
1.3 Scenario .....	1
2 Normative references .....	2
3 Definitions .....	3
4 Abbreviations .....	3
5 Requirements .....	3
5.1 Static conformance requirements .....	3
5.2 Dynamic conformance requirements .....	3
Annex A ISPICS requirements list (normative) .....	4
A.1 General options of the profile .....	4
A.2 Standards selected and combined in the profile .....	4
A.3 Constraints on base standards .....	4

©ISO/IEC 1994

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

ISO/IEC Copyright Office • Case postale 56 • CH-1211 Genève • Switzerland

Printed in Switzerland

## Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) together form a system for worldwide standardization as a whole. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. In addition to developing International Standards, ISO/IEC JTC 1 has created a Special Group on Functional Standardization (ISO/IEC JTC 1/SGFS) for the processing of International Standardized Profiles.

An International Standardized Profile is an internationally agreed, harmonized document which identifies a standard or group of standards, together with options and parameters, necessary to accomplish a function or set of functions.

Draft International Standardized Profiles are circulated to national bodies for voting. Publication as an International Standardized Profile requires approval by at least 75% of the national bodies casting a vote.

S-liaison may be established with JTC 1/SGFS by specialized organizations involved in the work of functional standardization. This part of ISO/IEC ISP 10609 was prepared with the collaboration of the following S-liaisons:

- Asia-Oceania Workshop (AOW); ([standards.iteh.ai](http://standards.iteh.ai))
- European Workshop for Open Systems (EWOS);
- Open Systems Environment Implementors' Workshop (OIW); <http://www.ietf.org/standards/osp/osp.html>

ISO/IEC ISP 10609 consists of several parts, under the general title *Information technology - International Standardized Profiles TB, TC, TD and TE - Connection-mode Transport Service over connection-mode Network Service*:

- *Part 1: Subnetwork-type independent requirements for Group TB*
- *Part 2: Subnetwork-type independent requirements for Group TC*
- *Part 3: Subnetwork-type independent requirements for Group TD*
- *Part 4: Subnetwork-type independent requirements for Group TE*
- *Part 5: Definition of profiles TB1111/TB1121*
- *Part 6: Definition of profiles TC1111/TC1121*
- *Part 7: Definition of profiles TD1111/TD1121*
- *Part 8: Definition of profiles TE1111/TE1121*
- *Part 9: Subnetwork-type dependent requirements for Network Layer, Data Link Layer and Physical Layer concerning permanent access to a packet switched data network using virtual calls*

- *Part 10: LAN subnetwork-dependent, media-independent requirements*
- *Part 11: CSMA/CD LAN subnetwork-dependent, media-dependent requirements*
- *Part 12: Definition of profile TC51, provision of the OSI connection-mode Transport Service using the OSI connection-mode Network Service in an End System attached to a CSMA/CD LAN*
- *Part 14: Definition of profile TC53, provision of the OSI connection-mode Transport Service using the OSI connection-mode Network Service in an End System attached to a Token Ring LAN*

This part of ISO/IEC ISP 10609 contains one annex, which is normative.

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

[SIST EN ISP 10609-12:1997](https://standards.iteh.ai/catalog/standards/sist/ab356769-b3e9-4064-b7ba-7354f17977a8/sist-en-isp-10609-12-1997)

<https://standards.iteh.ai/catalog/standards/sist/ab356769-b3e9-4064-b7ba-7354f17977a8/sist-en-isp-10609-12-1997>



## Introduction

This International Standardized Profile (ISP) is defined in accordance with the principles specified by ISO/IEC Technical Report 10000, "Information technology - Framework and taxonomy of International Standardized Profiles".

The context of Functional Standardization is one area in the overall field of Information Technology (IT) standardization activities, covering base standards, profiles, and registration mechanisms. A profile defines a combination of base standards that collectively perform a specific well-defined IT function. Profiles standardize the use of options and other variations in the base standards, and provide a base for the development of uniform, internationally recognized system tests.

ISPs are produced not simply to "legitimize" a particular choice of base standards and options, but to promote real system interoperability. One of the most important roles for an ISP is to serve as the basis for the development (by organizations other than ISO and IEC) of internationally recognized test methods. The development and widespread acceptance of tests based on this and other ISPs is crucial to the successful realization of this goal.

ISO/IEC ISP 10609 consists of several parts, of which this is part 12. Parts 1 to 4 of ISO/IEC ISP 10609 specify profile requirements that are subnetwork-independent, for each of the transport groups TB, TC, TD and TE, respectively. There are further parts which specify subnetwork-dependent and media-dependent requirements. In addition, for each individual profile there is a part of ISO/IEC ISP 10609 which identifies the specific requirements of that profile, making reference to appropriate material from the relevant subnetwork-independent and subnetwork-dependent parts. This part identifies the specific requirements for profile TC51.

[SIST EN ISP 10609-12:1997](https://standards.iteh.ai/catalog/standards/sist/ab356769-b3e9-4064-b7ba-7354f17977a8/sist-en-isp-10609-12-1997)

<https://standards.iteh.ai/catalog/standards/sist/ab356769-b3e9-4064-b7ba-7354f17977a8/sist-en-isp-10609-12-1997>