

SLOVENSKI STANDARD

SIST EN ISP 10608-2:1997

01-december-1997

Information technology - International Standardized Profile TAnnnn - Connection-mode Transport Service over Connectionless-mode Network Service - Part 2: TA51 profile including subnetwork-dependent requirements for CSMA/CD Local Area Networks (LANs) (ISO/IEC ISP 10608-2:1992)

Information technology - International Standardized Profile TAnnnn - Connection-mode Transport Service over Connectionless-mode Network Service - Part 2: TA51 profile including subnetwork-dependent requirements for CSMA/CD Local Area Networks (LANs) (ISO/IEC ISP 10608-2:1992)

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Informationstechnik - Internationale Profilnorm TAnnnn - Verbindungsorientierter Transportdienst über verbindungslosem Vermittlungsdienst - Teil 2: Profil TA51 mit Teilnetz-abhängigen Anforderungen für Lokale Netze (LANs) vom Typ CSMA/CD (ISO/IEC ISP 10608-2:1992)

Technologies de l'information - Profil normalisé international TAnnnn - Service de transport en mode connexion sur le service de réseau en mode sans connexion - Partie 2: Profil TA51 y compris spécifications dépendantes du sous-réseau pour les réseaux locaux CSMA/CD (ISO/IEC ISP 10608-2:1992)

Ta slovenski standard je istoveten z: EN ISP 10608-2:1994

ICS:

33.040.40	Podatkovna komunikacijska omrežja	Data communication networks
35.100.01	Medsebojno povezovanje odprtih sistemov na splošno	Open systems interconnection in general
35.100.05	Več slojne uporabniške rešitve	Multilayer applications

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en

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EUROPEAN STANDARD

EN ISP 10608-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 1994

ICS 35.100

Descriptors: data processing, information interchange, network interconnection, open systems interconnection, data transmission, communication procedure, control procedures, transport layer, network layer, profiles

English version

**Information technology - International Standardized
Profile TAnnnn - Connection-mode Transport
Service over Connectionless-mode Network
Service - Part 2: TA51 profile including
subnetwork-dependent requirements for
CSMA/CD Local Area Networks (LANs) (ISO/IEC
ISP 10608-2:1992)**

Technologies de l'information - Profil
normalisé international TAnnnn - Service de
transport en mode connexion sur le service de
réseau en mode sans connexion - Partie 2:
Profil TA51 y compris spécifications
dépendantes du sous-réseau pour les réseaux
locaux CSMA/CD (ISO/IEC ISP 10608-2:1992)

Informationstechnik - Internationale Profilnorm
TAnnnn - Verbindungsorientierter
Transportdienst über verbindungslosem
Vermittlungsdienst - Teil 2: Profil TA51 mit
Teilnetz-abhängigen Anforderungen für Lokale
Netze (LANs) vom Typ CSMA/CD (ISO/IEC ISP
10608-2:1992)

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

SIST.....EN ISP 10608-2

PREVZET PO METODI RAZGLASITVE

-12- 1997

This European Standard was approved by CEN on 1994-12-05. 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

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EN ISP 10608-2:1994

Foreword

The Technical Board decided to submit the International Standard

Information Technology - International Standardized Profile TAnnnn - Connection-mode Transport Service over Connectionless-mode Network Services - Part 2: TA51 profile including subnetwork-dependent requirements for CSMA/CD Local Area Networks (LANs) (ISO/IEC ISP 10608-2:1992)

for adoption by the Unique Acceptance Procedure (UAP), in accordance with clause 4.6 of the CEN/CENELEC Internal Regulations, Part 2 of April 1990.

The result of the Unique Acceptance Procedure was positive.

For the time being this standard exists in the English version only.

This European Standard and EN ISP 10608-1 supersede EN 41102:1990 which shall be withdrawn.

This document is the second part of a multi-part Functional Standard identified in ISO/IEC TR 10000-2. In M-IT-02 this standard is identified under "T/A51 Local Area Networks - CSMA/CD (COTS + CLNS) ".

M-IT-02 CEN/CENELEC/ETSI Memorandum on taxonomy of profiles and directory of functional standards

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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 June 1995, and conflicting national standards shall be withdrawn at the latest by June 1995.

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, United Kingdom.

Endorsement Notice

The text of the International Standard ISO/IEC ISP 10608-2:1992 was approved by CEN as a European Standard without any modification.

INTERNATIONAL STANDARDIZED PROFILE

ISO/IEC ISP 10608-2

First edition
1992-12-15

Information technology — International Standardized Profile TAnnnn — Connection-mode Transport Service over Connectionless-mode Network Service —

Part 2:

TA51 profile including subnetwork-dependent
requirements for CSMA/CD Local Area
Networks (LANs)

*Technologies de l'information — Profil normalisé international TAnnnn —
Service de transport en mode connexion sur le service de réseau en mode
sans connexion —*

*Partie 2: Profil TA51 y compris spécifications dépendantes du sous-réseau
pour les réseaux locaux CSMA/CD*



Reference number
ISO/IEC ISP 10608-2:1992(E)

ISO/IEC ISP 10608-2:1992 (E)

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. 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 for the elaboration 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.

International Standardized Profile ISO/IEC ISP 10608-2 was prepared with the collaboration of

- OSI Asia-Oceania Workshop (AOW);
- European Workshop for Open Systems (EWOS);

- OS Implementors Workshop (OIW).

ISO/IEC ISP 10608 consists of the following parts, under the general title *Information technology — International Standardized Profile TAnnnn — Connection-mode Transport Service over Connectionless-mode Network Service*:

- *Part 1: General overview and subnetwork-independent requirements*
- *Part 2: TA51 profile including subnetwork-dependent requirements for CSMA/CD Local Area Networks (LANs)*
- *Part 4: Definition of profile TA53 for operation over a Token Ring LAN subnetwork*
- *Part 5: TA1111/TA1121 profiles including subnetwork-dependent requirements for X.25 packet-switched data networks using virtual calls*
- *Part 13: MAC sublayer and physical layer dependent requirements for Token Ring local area network*

Annexes A and B form an integral part of this part of ISO/IEC ISP 10608. Annex C is for information only.

ISO/IEC ISP 10608-2:1992 (E)

Introduction

This part of ISO/IEC ISP 10608 (International Standardized Profile) is defined within the context of Functional Standardization, in accordance with the principles specified by ISO/TR 10000-1:1990. The context of Functional Standardization is one part of 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 basis for the development of uniform, internationally recognized system tests.

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 tests and test centers. ISPs are produced not simply to legitimize a particular choice of base standards and options, but to promote real system interoperability. 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 10608 consists of several parts, of which this is Part 2. ISO/IEC 10608-1 specifies subnetwork-type independent requirements for Group TA profiles. ISO/IEC 10608-2 specifies subnetwork-type dependent requirements for Profile TA51. ISO/IEC ISP 10608-3 specifies subnetwork-type dependent requirements for Profile TA52. ISO/IEC ISP 10608-4 specifies subnetwork-type dependent requirements for Profile TA53. ISO/IEC ISP 10608-5 specifies subnetwork-type dependent requirements for Profiles TA1111 and TA1121.

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