SLOVENSKI STANDARD
SIST EN ISP 10607-1:1998

01-januar-1998

Information technology - International Standardized Profiles AFTnn - File Transfer, Access and Management - Part 1: Specification of ACSE, Presentation and Session Protocols for the use by FTAM (ISO/IEC ISP 10607-1:1990 corrected and reprinted 1991-04-15)

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Informationstechnik - Internationale Norm-Profile AFTnn - Dateiübermittlung, Zugriff und Verwaltung - Teil 1: Spezifikation des Protokolls für ACSE, Darstellungs- und Kommunikationsteuerungsschicht für die Nutzung durch FTAM (ISO/IEC ISP 10607- 1:1990 geändert und neu gedruckt 1991-04-15)

Technologies de l'information - Profil normalisé international AFTnn - Transfert, acces et gestion de fichier - Partie 1: Spécifications des protocoles ACSE, présentation et session pour emploi par FTAM (ISO/IEC ISP 10607-1:1990, corrigée et réimprimée 1991-04-15)

Ta slovenski standard je istoveten z: EN ISP 10607-1:1993

ICS:

35.100.05	X^ •|[ḽ) ^Á] [¦æà} æ̃z\^ ¦^zæ̃ȩ^	Multilayer applications

SIST EN ISP 10607-1:1998   en

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISP 10607-1

December 1993

UDC 681.3.01/02:621.39

Descriptors: Data processing, information interchange, open systems interconnection, data transfer, communication procedure, files, session layer, presentation layer, protocoles, profiles

English version

Information technology - International Standardized Profiles AFTnn - File Transfer, Access and Management - Part 1: Specification of ACSE, Presentation and Session Protocols for the use by FTAM (ISO/IEC ISP 10607-1:1990 corrected and reprinted 1991-04-15)

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Informationstechnik - Internationale Norm-Profile AFTnn - Dateiübermittlung, Zugriff und Verwaltung - Teil 1: Spezifikation des Protokolls für ACSE, Darstellungs- und Kommunikationsteuerungsschicht für die Nutzung durch FTAM (ISO/IEC ISP 10607-1:1990 geändert und neu gedruckt, 1991-04-15)

This European Standard was approved by CEN on 1993-11-15. 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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Ref. No. EN ISP 10607-1:1993 E

FOREWORD

The Technical Board has decided to submit the International Standard

> Information technology - International Standardized Profiles AFTnn - File Transfer, Access and Management - Part 1: Specification of ACSE, Presentation and Session Protocols for the use by FTAM (ISO/IEC ISP 10607-1:1990, corrected and reprinted 1991-04-15)

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.

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

This document is the first part of a multi-part Functional Standard identified in ISO/IEC TR 10000-2. In M-IT-02 this standard, which contains common text for all A/FT profiles, is identified under "A/FT - File Transfer, Access and Management".

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

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 1994, and conflicting national standards shall be withdrawn at the latest by June 1994.

In accordance with 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 United Kingdom.

ENDORSEMENT NOTICE

The text of the International Standard ISO/IEC ISP 10607-1:1990 corrected and reprinted 1991-04-15, was approved by CEN as a European Standard without any modification.

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TECHNICAL DIFFERENCES BETWEEN EN ISP 10607-1:1993 AND PUBLISHED ENVs

For the information of implementors, testers and purchasers this section lists the technical differences between EN ISP 10607-1:1993 and ENVs 41 204:1991, 41 205:1991, 41 206:1991 and 41 207:1991.

Amendments and Corrigenda

EN ISP 10607-1:1993 includes normative references to Amendments and Corrigenda to the Base Standards referenced (ISO/IEC ISP 10607-1:1990 Annex B). ENVs 41 204:1991, 41 205:1991, 41 206:1991 and 41 207:1991 do not include such references.

Application Entity Titles

The semantics of AE Titles is different in:

- EN ISP 10607-1 (clause 6.1 of ISO/IEC ISP 10607-1:1990)
- ENVs 41 204:1991, 41 206:1991 and 41 207:1991 (Note 1 of table 6)

The calling Application Process Title of A-ASSOCIATE-REQUEST PDUs is:

- optionally supported by a responder implementation in EN ISP 1607-1:1993 (Table A.1 of ISO/IEC 10607-1:1990)
- supported by a responder implementation in ENVs 41 204:1991, 41 206:1991 and 41 207:1991 (Support Level Table 6)

Session extended concatenation

Session extended concatenation is:

- optionally supported in EN ISP 10607-1:1993 (clause 9.2 of ISO/IEC ISP 10607-1:1990)
- not supported in ENVs 41 204:1991, 41 206:1991 and 41 207:1991 (Support Level Table 8)

Session use of Transport expedited data services

Session use of Transport expedited data service is:

- optionally supported in EN ISP 10607-1:1993 (Clause 9.7 of ISO/IEC ISP 10607-1:1990)
- supported in ENVs 41 204:1991, 41 206:1991 and 41 207:1991 (Support Level and Additional Specification Table 8).

As a consequence, PREPARE SPDUs are:

- optionally supported in EN ISP 10607-1:1993 (Table A.3 of ISO/IEC ISP 10607-1:1990)
- supported in ENVs 41 204:1991, 41 206:1991 and 41 207:1991 (Support Level Table 8).

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INTERNATIONAL STANDARDIZED PROFILE

ISO/IEC ISP 10607-1

First edition
1990-12-15

Corrected and reprinted
1991-04-15

Information technology — International Standardized Profiles AFTnn — File Transfer, Access and Management —

Part 1:
Specification of ACSE, Presentation and Session Protocols for the use by FTAM

Technologies de l'information — Profil normalisé international AFTnn — Transfert, accès et gestion de fichier —

Partie 1: Spécifications des protocoles ACSE, présentation et session pour emploi par FTAM

Reference number
ISO/IEC ISP 10607-1 : 1990 (E)

ISO/IEC ISP 10607-1 : 1990(E)

Contents

Annexes

ISO/IEC ISP 10607-1 : 1990(E)

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 10607-1 was prepared with the collaboration of

— Asia-Oceania Workshop (AOW);

— European Workshop for Open Systems (EWOS);

— NIST OSI Implementors Workshop (NIST OIW).

ISO/IEC ISP 10607 consists of the following parts, under the general title *Information technology — International Standardized Profiles AFTnn — File Transfer, Access and Management*:

   — *Part 1: Specification of ACSE, Presentation and Session Protocols for the use by FTAM*

   — *Part 2: Definition of document types, constraint sets and syntaxes*

   — *Part 3: AFT11 — Simple File Transfer Service (unstructured)*

   — *Part 4: AFT12 — Positional File Transfer Service (flat)*

   — *Part 5: AFT22 — Positional File Access Service (flat)*

   — *Part 6: AFT3 — File Management Service*

Annexes A and B form an integral part of this part of ISO/IEC ISP 10607.

Introduction

This International Standardized Profile (ISP) is defined within the context of Functional Standardization, in accordance with the principles specified by ISO/IEC TR 10000, "Framework and Taxonomy of International Standardized Profiles". 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 centres. 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.

The text for this ISP was developed in close co-operation among the FTAM Expert Groups of the three International OSI Workshops NIST Workshop for Implementors of OSI (NIST OIW), the European Workshop for Open Systems (EWOS) and the OSI Asia-Oceania Workshop (AOW). This ISP is harmonized among these three Workshops and it was finally ratified by the Workshops' plenary assemblies.

INTERNATIONAL STANDARDIZED PROFILE

ISO/IEC ISP 10607-1 : 1990(E)

Information technology — International Standardized Profiles AFTnn — File Transfer, Access and Management —

Part 1:
Specification of ACSE, Presentation and Session Protocols for the use by FTAM

1 Scope

1.1 General

This part of ISO/IEC ISP 10607 specifies how the Association Control Service Element, the Presentation Layer, and the Session Layer standards shall be used to provide the FTAM functions for the International Standardized Profiles ISO/IEC ISP 10607 (see also figure 1). These specifications are therefore the common basis for the application functions as defined in ISO/IEC ISP 10607-3, ISO/IEC ISP 10607-4, ISO/IEC ISP 10607-5 and ISO/IEC ISP 10607-6, and any of the subsequent parts that might be developed.

1.2 Position within the taxonomy

This part of ISO/IEC ISP 10607 is the first part, as common text, of a multi-part ISP identified in ISO/IEC TR 10000-2 as "AFT, File Transfer, Access and Management" (see also ISO/IEC TR 10000-1, 8.2 for the definition of multipart ISPs).

It may be combined with any T-Profiles (see ISO/IEC TR 10000) specifying the OSI connection-mode transport service.

1.3 Scenario

The model used is one of two end systems running an end-to-end association using the ACSE, Presentation and Session services and protocols (see figure 1).
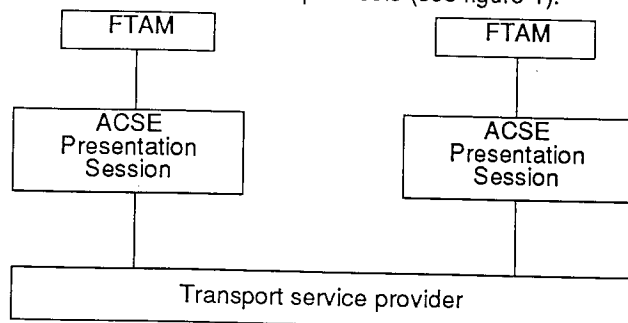
2 Normative references

The following documents contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC ISP 10607. At the time of publication, the editions indicated were valid. All documents are subject to revision, and parties to agreements based on this part of ISO/IEC ISP 10607 are warned against automatically applying any more recent editions of the documents listed below, since the nature of references made by ISPs to such documents, is that they may be specific to a particular edition. Members of IEC and ISO maintain registers of currently valid International Standards and ISPs, and CCITT maintains published editions of its current Recommendations.

Amendments and corrigenda to the base standards referenced : See annex B for a complete list of these documents which are used in this part of ISO/IEC ISP 10607.

ISO 8327:1987, *Information processing systems - Open Systems Interconnection - Basic Connection Oriented Session Protocol Specification.*

ISO 8327/Add.2:---[1], *Information processing systems - Open Systems Interconnection - Basic Connection Oriented Session Protocol Specification - ADDENDUM 2: Incorporation of unlimited user data.*

ISO 8571-1:1988, *Information processing systems - Open Systems Interconnection - File Transfer, Access and Management - Part 1 : General introduction.*

ISO 8571-2:1988, *Information processing systems - Open Systems Interconnection - File Transfer, Access and Management - Part 2 : Virtual Filestore Definition.*

ISO 8571-3:1988, *Information processing systems - Open Systems Interconnection - File Transfer, Access and Management - Part 3 : File Service Definition.*

ISO 8571-4:1988, *Information processing systems - Open Systems Interconnection - File Transfer, Access and Management - Part 4 : File Protocol Specification.*

Figure 1 - Model of the supportive layers

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[1] To be published.

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