

INTERNATIONAL STANDARDIZED PROFILE

ISO/IEC
ISP
12068-2

First edition
1996-11-01

Information technology — International Standardized Profile FDI 4 — Directory data definitions — Use of the Directory for OSI TP —

Part 2:

FDI 42 — Enhanced naming and addressing

*Technologies de l'information — Profil normalisé international FDI 4 —
Définitions des données de l'Annuaire — Emploi de l'Annuaire
pour OSI TP —*

Partie 2: FDI 42 — Nommage et adressage améliorés



Reference number
ISO/IEC ISP 12068-2:1996(E)
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Printed in Switzerland

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 or 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 12068-2 was prepared with the collaboration of

- Asia-Oceania Workshop (AOW);
- European Workshop for Open Systems (EWOS);
- OSE Implementors' Workshop (OIW);

ISO/IEC ISP 12068 consists of the following parts under the general title *Information technology - International Standardized Profile FDI 4 - Directory data definitions - Use of the Directory for OSI TP* :

- *Part 1 : FDI 41 - Basic naming and addressing*
- *Part 2 : FDI 42 - Enhanced naming and addressing*

Annexes A and B form an integral part of this part of ISO/IEC ISP 12068.

Introduction

The concept and structure of International Standardized Profiles for Information Systems are laid down in the Technical Report ISO/IEC TR 10000. The purpose of an International Standardized Profile is to recommend when and how certain information technology standards shall be used. ISO/IEC ISP 12068 specifies application profile FDI 4 as defined in the Technical Report ISO/IEC TR 10000-2. ISO/IEC ISP 12068 is one of a set of International Standardized Profiles relating to the Directory (see ISO/IEC TR 10000-2). It specifies the schema of information for the OSI TP application to be stored in the Directory according to ISO/IEC 9594.

ISO/IEC ISP 10616 profiles information to be stored within the Directory which is common to a variety of applications. This ISP augments that information with OSI TP specific information.

Statements and conformance requirements stated in ISP for the information profiled by ISO/IEC ISP 10616 are also valid for the OSI TP specific information profiled by this ISP.

ISO/IEC ISP 12068 specifies the use of the Directory for OSI TP, using existing object class and attribute type definitions from the Directory specifications themselves, and additional definitions. These existing and additional definitions are also intended to support the use of the Directory by users of OSI TP applications.

Information technology - International Standardized Profile FDI 4 - Directory data definitions - Use of the Directory for OSI TP -

Part 2 : FDI 42 - Enhanced naming and addressing

1 Scope

1.1 General

ISO/IEC ISP 10616 profiles information to be stored within the Directory which is common to a variety of applications. ISO/IEC ISP 12068 augments this information with OSI TP specific information.

Statements and conformance requirements stated in ISO/IEC ISP 10616 for the information profiled by ISO/IEC ISP 10616 are also valid for the OSI TP specific information profiled by this international Standardized Profile.

ISO/IEC ISP 12068 specifies the use of the Directory, for OSI TP, using existing object class and attribute type definitions from the Directory specifications themselves, and additional definitions.

These existing and additional definitions are also intended to support the use of the Directory by users of OSI TP applications.

This part of ISO/IEC ISP 12068 defines those additional information which are needed to retrieve basic addressing information for applications using the OSI TP service.

1.2 Position within the taxonomy

ISO/IEC ISP 12068 is identified in ISO/IEC TR 10000-2 as "Information technology - International Standardized Profile FDI 4 - Directory data definitions - Use of the Directory for OSI TP.

1.3 Scenario

An OSI TP application, by means of its associated DUA, obtains Directory information by accessing directly or indirectly one or more DSAs of the Directory (see figure)