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Information technology — Open Systems Interconnection — Procedures for the operation of OSI Registration Authorities —

Part 2:
Registration procedures for OSI document types

Technologies de l'information — Interconnexion de systèmes ouverts (OSI) — Procédures pour le fonctionnement des autorités d'enregistrement OSI —

Partie 2: Procédures d'enregistrement des types de documents OSI

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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. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

International Standard ISO/IEC 9834-2 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology,* Sub-Committee SC 21, *Open systems interconnection, data management and open distributed processing.*

ISO/IEC 9834 consists of the following parts, under the general title *Information technology — Open Systems Interconnection — Procedures for the operation of OSI Registration Authorities:*

— *Part 1: General procedures*

— *Part 2: Registration procedures for OSI document types*

— *Part 3: Registration of object identifier component values for joint ISO/CCITT use*

— *Part 4: Register of VTE Profiles*

— *Part 5: Register of VT Control Object Definitions*

— *Part 6: Application processes and application entities*

Annex A forms an integral part of this part of ISO/IEC 9834. Annex B is for information only.

Introduction

Several Open Systems Interconnection (OSI) Standards provide communications mechanisms for the transfer of arbitrarily structured information.

These communications standards have a requirement for unambiguous names for classes of information structure, called OSI document types, for a specification of the way they are transferred using the Presentation Service, and for the specification of operations on them which are a feature of the OSI Standards.

This part of ISO/IEC 9834 specifies the information which needs to be recorded in registers holding OSI document type specifications, and the form of register entries. Such registers can be maintained by any organisation empowered under the rules of ISO/IEC 8824 (ASN.1) to allocate object identifiers. This part of ISO/IEC 9834 also specifies the procedures for preparing and maintaining an International Register of OSI Document Types. The purpose of the International Register is to inform all concerned of OSI document types already developed and of the names allocated to identify them.

Annex A is normative, and specifies the form of register entries for OSI Document Type Registration.

Annex B is informative, and contains an introduction to some of the concepts used in OSI document type registration.

Information technology – Open Systems Interconnection – Procedures for the operation of OSI Registration Authorities –

Part 2:
Registration procedures for OSI document types

1 Scope

1.1 This part of ISO/IEC 9834 specifies the contents of register entries recording information about OSI document types, and assigning an unambiguous name of ASN.1 type OBJECT IDENTIFIER to OSI document type definitions.

1.2 This part of ISO/IEC 9834 specifies the procedures for the operation of an International Registration Authority for OSI document types.

NOTES

1 Additional document types may already be defined in International Standards.

2 Any authority empowered under the rules of ISO/IEC 8824 to allocate object identifiers can maintain a register of document types, identifying each type with an object identifier from the set that they are empowered to allocate. The authority may adopt any procedures it wishes for maintaining its register, provided that each object identifier is allocated to at most one document type definition, is not allocated to any other information object, and is never re-used, as specified in ISO/IEC 8824.

1.3 The OSI document type names to which this document refers are for use in fields of communication protocols which need to identify the corresponding (partially-defined or fully-defined) semantics, syntax, and operations specified in the register entries.

1.4 A name registered in accordance with this part of ISO/IEC 9834 serves as an identification of the OSI document types defined in the corresponding register entry. Identification of a particular OSI document type from the class of OSI document types defined in a particular register entry is provided by parameters associated with the register entry.

1.5 The presence of a register entry in the International Register does not carry any implications of required support for the OSI document types it defines in any carrier-standard implementation.

NOTE — Nonetheless, within a register entry, requirements may be expressed relating to implementations claiming to support the entry.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC 9834. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO/IEC 9834 are encouraged to investigate the possibility of applying the most recent editions of the standards listed below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 7498-1:1984, *Information processing systems - Open Systems Interconnection - Basic Reference Model.*

ISO 8822:1988, *Information processing systems - Open Systems Interconnection - Connection-oriented presentation service definition.*

ISO/IEC 8824:1990, *Information processing systems - Open Systems Interconnection - Specification of Abstract Syntax Notation One (ASN.1).*