INTERNATIONAL STANDARD

ISO/IEC
9834-6

First edition
1993-11-01

Information technology — Open Systems Interconnection — Procedures for the operation of OSI Registration Authorities: Application processes and application entities

Technologies de l'information — Interconnexion de systèmes ouverts (OSI) — Procédures pour des organismes d'enregistrement OSI particuliers: Enregistrement des titres de processus d'application (AP) et d'entités d'application (AE)

Contents

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 9834-6 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology,* in collaboration with the CCITT. The identical text is published as CCITT Recommendation X.665.

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 of this part of ISO/IEC 9834 is for information only.

Introduction

This specification identifies an administrative role for Registration Authorities for application-process titles and application-entity qualifiers, based on the Procedures for the operation of OSI registration authorities contained in CCITT Rec. X.660 I ISO/IEC 9834-1. No technical role is defined.

CCITT Rec. X.200 I ISO 7498-3:1989, 13.1 specifies the need to assign globally unambiguous names to application-processes and application-entities. The syntactic forms of these names are specified in CCITT Rec. X.227 I ISO 8650.

CCITT Study Group VII and ISO/IEC JTC 1/SC 21 are jointly responsible for the syntactic definition of application-processes and application-entity qualifiers.

INTERNATIONAL STANDARD

CCITT RECOMMENDATION

INFORMATION TECHNOLOGY – OPEN SYSTEMS INTERCONNECTION –

PROCEDURES FOR THE OPERATION OF OSI REGISTRATION AUTHORITIES: APPLICATION PROCESSES AND APPLICATION ENTITIES

1 Scope

This Recommendation | International Standard specifies the procedures applicable to the registration of application-processes and application-entities.

No requirement for an international registration authority has been identified; therefore these procedures apply to registration at or below the nodes for countries or ICDs.

This Recommendation | International Standard does not cover the registration of application-process types or application-entity types. No requirement for such registration has been identified.

2 Normative references

The following CCITT Recommendations and International Standards contain provisions which, through reference in this text, constitute provisions of this Recommendation | International Standard. At the time of publication, the editions indicated were valid. All Recommendations and International Standards are subject to revision, and parties to agreements based on this Recommendation | International Standard are encouraged to investigate the possibility of applying the most recent editions of the Recommendations and Standards listed below. Members of IEC and ISO maintain registers of currently valid International Standards. The CCITT Secretariat maintains a list of currently valid CCITT Recommendations.

2.1 Identical Recommendations | International Standards

- CCITT Recommendation X.660 (1992) | ISO/IEC 9834-1:1993, *Information technology – Open Systems Interconnection – Procedures for the operation of OSI Registration Authorities: General procedures.*

2.2 Paired Recommendations | International Standards equivalent in technical content

- CCITT Recommendation X.200 (1988), *Reference Model of Open Systems Interconnection for CCITT applications.*

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

- CCITT Recommendation X.208 (1988), *Specification of Abstract Syntax Notation One (ASN.1).*

    ISO/IEC 8824:1990, *Information technology – Open Systems Interconnection – Specification of abstract Syntax Notation One (ASN.1).*

- CCITT Recommendation X.227 (1992), *Information technology – Open Systems Interconnection – Protocol Specification for the association control service element.*

    ISO 8650:1988, *Information processing systems – Open Systems Interconnection – Protocol specification for the Association Control Service Element.*

- CCITT Recommendation X.501 (1988), *The Directory – Models.*

ISO/IEC 9594-2:1990, *Information technology – Open Systems Interconnection – The Directory – Part 2: Models.*

- CCITT Recommendation X.650 (1992), *Open Systems Interconnection (OSI) – Reference Model for naming and addressing.*

ISO/IEC 7498-3:1989, *Information processing systems – Open Systems Interconnection – Basic Reference Model – Part 3: Naming and addressing.*

2.3 Additional references

- ISO 6523:1984, *Data interchange – Structure for the identification of organizations.*

- ISO/IEC 9545:1989, *Information technology – Open Systems Interconnection – Application Layer structure.*

3 Definitions

3.1 The following terms are used in this Recommendation | International Standard, and are defined in CCITT Rec. X.200 | ISO 7498:

    a) application-entity;

NOTE – The definition of this term in the current edition of CCITT Rec. X.200 | ISO 7498 is different from that in CCITT Rec. X.650 | ISO 7498-3. The definition in CCITT Rec. X.650 | ISO 7498-3 is the definitive one and will be moved to CCITT Rec. X.200 | ISO 7498 to replace the existing definition in the revision of CCITT Rec. X.200 | ISO 7498 which is currently being prepared.

    b) application-entity-type;

    c) application-process;

    d) Open Systems Interconnection environment.

NOTE – This term is not formally defined in the current edition of CCITT Rec. X.200 | ISO 7498. A definition will be given in the revision which is currently being prepared.

3.2 The following terms are used in this Recommendation | International Standard, and are defined in CCITT Rec. X.650 | ISO/IEC 7498-3:

    a) application-entity;

NOTE – The definition of this term in the current edition of CCITT Rec. X.200 | ISO 7498 is different from that in CCITT Rec. X.650 | ISO 7498-3. The definition in CCITT Rec. X.650 | ISO 7498-3 is the definitive one and will be moved to CCITT Rec. X.200 | ISO 7498 to replace the existing definition in the revision of CCITT Rec. X.200 | ISO 7498 which is currently being prepared.

    b) application-entity-title;

    c) application-process-title.

3.3 The following terms are used in this Recommendation | International Standard, and are defined in CCITT Rec. X.660 | ISO/IEC 9834-1:

    a) international registration authority;

    b) registration;

    c) registration authority;

    d) registration-hierarchical-name;

    e) registration-hierarchical-name-tree;

    f) Sponsoring authority.

3.4 The following terms are used in this Recommendation | International Standard, and are defined in CCITT Rec. X.501 | ISO/IEC 9594-2:

    a) distinguished-name;

    b) relative-distinguished-name.