

ICS 35.100.01
CCS L 79



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 17969.6-2025

Replacing GB/T 17969.6-2000

**Information technology - Open systems interconnection - Procedures
for the operation of OSI registration authorities - Part 6: Registration of
application processes and application entities**

信息技术 开放系统互连 OSI登记机构的操作规程 第6部分：应用过程和应用实体的登记

(English Translation)

Issued on: October 31, 2025

Implemented on: May 1, 2026

Issued by: State Administration for Market Regulation

Table of Contents

Preface
Introduction
1 Scope
2 Normative References
3 Terms and Definitions
3.1 OSI Reference Model Terminology
3.2 Naming and Addressing Terminology
3.3 Application of Hierarchical Terminology
3.4 Terminology for Hierarchical Naming Trees and Object Identifier Trees
3.5 Table of Contents Terminology
3.6 ASN.1 Terminology
4 Abbreviations
5 General Principles
5.1 Overview
5.2 Requirements for Registration Agencies
6 Registration Procedures
6.1 AP Registration Procedures
6.2 AE Registration Procedure
7 Minimum Information Required
8 Maintenance Procedures
Appendix A (Informative) Generation of AE Titles
References

Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document is Part 6 of GB/T 17969 "Operating Procedures for Open Systems Interconnection (OSI) Registry".

GB/T 17969 has published the following parts.

- Part 1: General Procedures and Top-Level Arcs of the International Object Identifier Tree;
- Part 3: Registration of object identifier arcs under the top-level arc jointly managed by ISO and ITU-T;
- Part 5: Registration Form for VT Controlled Object Definitions;
- Part 6: Registration of Application Processes and Application Entities;
- Part 8: Generation of Universally Unique Identifiers (UUIDs) and their use in object identifiers.

This document replaces GB/T 17969.6-2000 "Operating Procedures for OSI Registry Authorities - Part 6" the main technical changes in "Application Processes and Application Entities" compared to GB/T 17969.6-2000, aside from structural adjustments and editorial changes, are as follows.

as follows.

- a) The scope has been changed (see Chapter 1, Chapter 1 of the 2000 edition);
- b) The term "a) Application Entity" has been removed (see 3.2 of the 2000 edition);
- c) The term "a) International Registration Authority" has been deleted (see 3.3 in the 2000 edition);
- d) The term "a) principal integer value" has been added (see 3.4);
- e) The term "object identifier" has been changed (see 3.6, 2000 edition of 3.6);
- f) The abbreviation "ASN.1" was added, and the abbreviation "ICD" was removed (see Chapter 4, Chapter 4 of the 2000 edition);
- g) Added relevant content regarding "AP title" (see 5.1.2);
- h) The relevant content regarding "Registration authorities to which this document applies" has been amended (see 5.1.5, 5.1.5 in the 2000 version);
- i) The relevant content of the "AP Registration Procedure" has been amended (see 6.1.1, 2000 version 6.1.1);
- j) The relevant content of the "AE Registration Procedure" has been amended (see 6.2.2, 6.2.3, 6.2.4; 6.2.2, 6.2.3, 6.2.4 of the 2000 version);
- k) Changes were made to the "Cross-references" section (see 7.1, 2000 version 7.1);
- l) The chapter on "Technical Roles" has been removed (see Chapter 8 of the 2000 edition).

This document is modified to adopt ISO/IEC 9834-6:2005 "Information technology - Open Systems Interconnection - Operating procedures for OSI Registry authorities".

Registration of application processes and application entities.

This document has undergone the following structural adjustments compared to ISO/IEC 9834-6:2005.

---Chapter 8 of ISO/IEC 9834-6:2005 has been deleted, and subsequent chapters have been moved forward in their article numbers.

The technical differences between this document and ISO/IEC 9834-6:2005, and the reasons therefor, are as follows.

This document does not need to reference "ISO/IEC 6523-1:1998" and "ISO/IEC 6523-2:1998";

---The term "international registration agency" has been removed from this document if it is not used.

---The abbreviation "ASN.1" used in this document has been added (see Chapter 4);

---Unused abbreviations "AE-qualifier", "AE-title", "AP-title", and "ICD" have been removed from this document;

---The relevant content of the "AP and AE Registration Procedures" has been amended (see 5.1.1). This document does not cover international registration agencies;

---The relevant content regarding "Registration authorities to which this document applies" (see 5.1.5) has been revised to adapt to the actual situation in my country;

---The content related to "technical role" has been deleted; the international standard does not provide specific regulations on "technical role".

---The relevant content of the "Maintenance Procedures" (see Chapter 8) has been revised to adapt to the actual situation in my country.

The following editorial changes have been made to this document.

---To align with existing standards, this document has been renamed "Operational Guidelines for the OSI Registry of Open Systems Interconnection (OSI) Information Technology".

Part 6 of the program. Registration of application processes and application entities;

---Note 1 in 5.1.5 has been deleted;

---The note in the "Maintenance Procedures" chapter has been changed.

---Added "References".

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed and is under the jurisdiction of the National Information Technology Standardization Technical Committee (SAC/TC28).

Introduction

GB/T 17969 "Operating Procedures for Open Systems Interconnection (OSI) Registry" and GB/T 26231 "Information Technology" National Numbering System and Operating Procedures for Open Systems Interconnection Object Identifiers (OIDs), GB/T 35299-2017 "Information Technology Openness" "System Interconnection Object Identifier Resolution System" and GB/T 35300-2017 "Information Technology Open Systems Interconnection for Object Identifier Resolution" Together with the "Regulations for the Operation of the Analysis System," they constitute the basic national standard system supporting the registration and resolution of Object Identifiers (OIDs).

GB/T 17969, "Operating Procedures for Open Systems Interconnection (OSI) Registration Agencies," is proposed to consist of nine parts.

---Part 1: General Procedures and Top-Level Arcs of the International Object Identifier Tree. The purpose is to define the International Object Identifier Tree and its top arcs.

Arc.

---Part 2: Registration Procedures for OSI Document Types. The purpose is to specify the registration content and target objects for OSI document types.

Recognize symbols.

---Part 3: Registration of object identifier arcs under the top-level arc jointly managed by ISO and ITU-T. The purpose is to identify the object.

The registration procedures for arcs include revisions and additions.

---Part 4: VTE Profile Registration Form. Its purpose is to specify the content for recording VTE profile information and its object identifier.

---Part 5: Registration Form for VT Controlled Object Definitions. The purpose is to specify the contents of the registration form.

---Part 6: Registration of Application Processes and Application Entities. The purpose is to define the registration procedures for application processes and application entities.

---Part 7: Registration of International Organizations by ISO and ITU-T. The purpose is to stipulate the allocation of globally unique names to international organizations.

The registration procedures of the registration agency.

---Part 8: Generation of Universally Unique Identifiers (UUIDs) and their use in object identifiers. The purpose is to define universal...

The procedure for generating unique identifiers and their use in object identifiers.

---Part 9: Registration of Tag-Based Application and Service Object Identifier Arcs. The