

ICS 35.100.70

CCS L 79



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

**GB/T 17142-2008**

Replacing GB/T 17142-1997

---

**Information technology -- Open systems interconnection --  
Systems management overview**

信息技术 开放系统互连 系统管理综述

**(English Translation)**

**Issued on: September 1, 2008**

**Implemented on: February 1, 2009**

---

**Issued by: Standardization Administration of China**

## Table of Contents

|                                                                      |  |
|----------------------------------------------------------------------|--|
| Introduction                                                         |  |
| 1 Scope                                                              |  |
| 2 Normative references                                               |  |
| 3 Terms and definitions                                              |  |
| 3.1 Basic Reference Model definitions                                |  |
| 3.2 Management Framework Definition                                  |  |
| 3.3 CMISE Definition                                                 |  |
| 3.4 Management information model definitions                         |  |
| 3.5 OSI conformance testing methodology and framework defines        |  |
| 3.6 Systems management overview definitions                          |  |
| 4 Abbreviations                                                      |  |
| 5 System Management                                                  |  |
| 6 System Management Model                                            |  |
| 6.1 Introduction                                                     |  |
| 6.2 Information Aspect                                               |  |
| 6.3 Functions                                                        |  |
| 6.4 OSI communications                                               |  |
| 6.5 Organization                                                     |  |
| 7 Systems management standards                                       |  |
| 7.1 System and Structure                                             |  |
| 15 7.2 Communication management information                          |  |
| 15 7.3 Structure of Management Information                           |  |
| 7.4 System management function                                       |  |
| 8 Consistency and compliance                                         |  |
| 8.1 Compliance with this standard                                    |  |
| 8.2 Conformance with this standard                                   |  |
| Application Context Appendix A (normative) System Administration     |  |
| Annex B (informative) system management capabilities scope statement |  |

## Foreword

This standard is identical with the international standard ISO/IEC 10040:1998 "Information technology - Open Systems Interconnection - Systems management overview," just Editorial changes.

This standard replaces GB/T 17142-1997 "Information technology - Open Systems Interconnection - Systems management overview." this standard and GB/T 17142-1997 compared to the main changes are as follows.

--- Increased organizational requirements and management model (see 6.5).

Appendix A of this standard is a normative appendix, Appendix B is an informative annex.

The standard proposed by the People's Republic of China Ministry of Information Industry.

This standard by the National Information Technology Standardization Technical Committee.

This standard was drafted. Ministry of Information Industry Institute of Electronics Industry Standardization.

## 1 Scope

This standard

- Provide an overview of the systems management standards series;
- Establish standard management system is divided into separate groups, each group of predetermined base range and identifies the major components in each group;
- Given the development of standards for systems management guidelines and methods for their identification interlinked;
- The term is defined by the other systems management standards used;
- It can be used to manage all aspects of all systems of any size, standard definition and system management;
- It can be used for system administration response was centralized and decentralized situation;
- Establish a model for system management, system administration aspects of identity (for example. information functions, communication and organization), as well as into Further refine models to clarify these aspects;
- Determine conformance requirements and comply with the system management standards conformance claims guidelines.

In the main part of this standard no conformance requirements, but it is in line with the

provisions of the standard system management requirements should be followed.

Appendix A of this standard defines an application context for systems management and system management functions for the negotiation unit lays down the rules. Deposit

These rules associated with conformance requirements.

## 2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard. However, to encourage the parties to agreements based on this research Study whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 9387.1-1998 Information technology - Open Systems Interconnection - Basic Reference Model - Part 1. Basic model (idt ISO/IEC 7498-1:1994) GB/T 9387.4-1996 Information processing systems - Open Systems Interconnection - Basic Reference Model - Part 4. Management Framework (Idt ISO/IEC 7498-4. 1989) GB/T 16262.1-2006 Information technology - Abstract Syntax Notation One (ASN.1) - Part 1. Specification of basic notation (ISO/IEC 8824-1:2002, IDT) GB/T 16262.2-2006 Information technology - Abstract Syntax Notation One (ASN.1) - Part 2. Information object specification (ISO/IEC 8824-2:2002, IDT) GB/T 16262.3-2006 Information technology - Abstract Syntax Notation One (ASN.1) - Part 3. Constraint specification (ISO/IEC 8824-3:2002, IDT) GB/T 16262.4-2006 Information technology - Abstract Syntax Notation One (ASN.1) - Part 4. ASN. 1 specification parameterization (ISO/IEC 8824-4:2002, IDT) GB/T 16263.1-2006 Information technology - ASN. 1 encoding rules Part 1. Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER) specification (ISO/IEC 8825-1:2002, IDT) GB/T 16263.2-2006 Information technology - ASN. 1 encoding rules Part 2. Packed Encoding Rules (PER) Specification (ISO/IEC 8825-2:2002, IDT) GB/T 16505.1-1996 Information processing systems - Open Systems Interconnection - File Transfer, Access and Management - Part 1. Introduction GB/T 17142-2008/ISO/IEC 10040:1998