

ICS 35.100.30
CCS L 79



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

GB/T 15126-2008

Replacing GB/T 15126-1994

**Information technology -- Open system interconnection --
Network service definition**

信息技术 开放系统互连 网络服务定义

(English Translation)

Issued on: July 16, 2008

Implemented on: December 1, 2008

Issued by: Standardization Administration of China

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Foreword

This standard is equivalent to using ISO/IEC 8348:2002 "Information technology - Open Systems Interconnection - Network service definition," this standard ISO/IEC 8348:2002 made the necessary editorial changes.

This standard replaces GB/T 15126-1994.

Compared with the standard GB/T 15126-1994 The main changes are as follows.

--- The standards are divided into three, namely, the first chapter, "Overview", The second "connection service definition" and the third "no connection Definition of the service "; 1994 edition of only two. The first chapter, " Overview "and the second in the" Connect with primitive definition ";

--- This standard adds technical content connectionless mode service definition;

--- Appendix A of this standard has been modified for the network layer addressing content;

--- This standard adds Appendix B, of the basic principles of Appendix A of the information;

--- This standard adds to Appendix C, as a tool delivery service characteristics in a connectionless mode network service.

Appendix A of this standard is a normative appendix, Appendix B and Appendix C are informative appendices.

This standard by the National Information Technology Standardization Technical Committee and centralized.

This standard was drafted. China Electronics Standardization Institute.

Introduction

This standard is one of a set of standards in order to facilitate the development of computer systems interconnection. It OSI (OSI) reference model A set of criteria defined by other standards related. OSI Reference Model (GB/T 9387.1) to interconnect segments into a series of standardized Layer specification, each of the layers are manageable scale.

This standard defines the network layer to the transport layer is provided at the boundary

between the network layer and the transport layer between the reference model. It transportation Designers layer protocol provides a definition of the existing network services to support the transport layer protocols and offers available to designers of network protocols the service definition. The service definition can be obtained by operation of low-level network protocol service on. Figure 0 illustrates this relationship.

0 diagram network services and network protocols and OSI transport protocols Use of the word "Network" to name the OSI reference model "Network" layer, which should be the word and often speak communication network "network" differentiate. To facilitate this distinction, the term "subnetwork" is used to summarize often called a "network" of physical devices (see GB/T 9387.1).

Subnet may be a public network, a private network may also be provided. In the case of a public network, such as the characteristics of these subnets for circuit Packet switched network GB/T 11595 and other independent advice switching network GB/T 11593 or to be determined.

OSI standards set in the set, the term "service" is the ability to abstract layer of the OSI reference model to provide it on the floor. because and, this standard definition of network services is a conceptual system service, regardless of the administration.

Note: It is important to use the term "services" within the OSI OSI standard recommendations and use it to describe the scope of the collection service provided by an organization other places (Such as a service definition in other recommendations, the service provided by the administration) to distinguish.

Any specific subnets can support the OSI network service may not support the OSI network service. OSI network services through a Combination or combinations between these subnets and multiple subnets or outside optional additional functions to provide.

GB/T 15126-2008/ISO/IEC 8348:2002 Information technology - OSI Web Service Definition the first chapter outlines

1 Scope

This standard is defined by the following aspects of the OSI network services.

Primitive actions and events a) service;

b) associated with each primitive action and event parameters and associated forms they employ;

c) the relationship between these actions and events between primitives and their effective sequence.

The main purpose of this standard are.

a) characteristics of the network and services provision conceptual, thereby supplementing

the reference model to guide the development of the network layer protocol.

b) encourage convergence subnet providers of functionality.

c) To improve the existing heterogeneous subnet to a common subnetwork - independent Internet service providers and an infrastructure so that they can be connected in series the provider of global communications (such series may involve not defined in this standard optional extra). The definition of quality of service Standard is an important component.

d) to provide a basis for the development and implementation of subnetwork - independent transport layer protocol, so as to move it from the public and private sub-lower Network diversity and their specific interface requirements freed.

This standard does not specify the concrete realization and product, nor limit to achieve internal system entities and interfaces.

This standard, the consistency of the device does not exist. Consistency is by following the OSI network protocol implementations made. OSI Network Agreement to meet this standard definition of network services.

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, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 1988-1998 Technical information interchange bit coded character set (eqv ISO/IEC 646:1991) 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 12500-2008 Information technology - OSI transport services provide connectivity protocol (ISO 8073:1997, IDT) Internal organizational structure GB/T 15274-1994 Information processing systems - OSI network layer (idt ISO 8648.

1988)

GB/T 17967-2000 Information technology - Open Systems Interconnection - Basic Reference Model OSI service definition conventions (idt ISO/IEC 10731:1994) Level data processing rules 1985 escape sequences. ISO 2375 ISO 3166-1 country and its regional name indicates that the code - Part 1. Country Code ISO/IEC 6523-1:1998 Information technology - all parts are identified by the organization and organizational structure - Part 1. organization identification schemes Mark GB/T 15126-2008/ISO/IEC 8348:2002