

JIS

JAPANESE INDUSTRIAL STANDARD

**Open Systems Interconnection
—Basic Reference Model**

JIS X 5003^{—1987}

Translated and Published

by

Japanese Standards Association

In the event of any doubt arising,
the original Standard in Japanese is to be final authority.

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Open Systems Interconnection
-Basic Reference Model

X 5003-1987

1. Scope

This Japanese Industrial Standard describes the Reference Model of Open Systems Interconnection, hereinafter referred to as the "OSI". It establishes a framework for coordinating the development of existing and future standards for the interconnection of systems and is provided for reference by those standards.

This Standard does not specify services and protocols of OSI. It is neither an implementation specification for systems, nor a basis for appraising the conformance of implementations.

2. Definitions

Definitions of terms are included at the beginning of individual clauses and sub-clauses.

Reference: An index of these terms is provided in Reference 3.

3. Notation

Layers are introduced in clause 5. The following notations are used to identify and relate adjacent layers:

<N>-layer: any specific layer;

<N + 1>-layer: the next higher layer;

<N - 1>-layer: the next lower layer.

These notations are also used for other concepts in the model which are related to these layers.

Example: <N>-protocol, <N + 1>-service.

Clause 6 introduces names for individual layers. When referring to these layers by name, the <N>-, <N + 1>- and <N - 1>-prefixes are replaced by the names of the layers.

Example: transport-protocol, session entity, and network-service.

4. Open Systems Interconnection (OSI) Environment and Its Modelling⁽¹⁾

Note ⁽¹⁾ The general principles described in this clause hold for all layers, unless layer specific statements to the contrary are made in clauses 6. and 7.

Corresponding International Standards:

ISO 7498-Open systems interconnection-Basic reference model

ISO 7498/AD 1-Open systems interconnection-Basic reference model
Addendum 1: Connectionless-Mode Transmission