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Information processing systems — Open Systems Interconnection — Service conventions

Systèmes de traitement de l'information — Interconnexion de systèmes ouverts — Conventions de service

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The reasons which led to the decision to publish this document in the form of a technical report type 2 are explained in the Introduction.

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0 Introduction

This Technical Report has been published as interim guidance to users and definers of service standards. The objective is to provide a common definition of terms and time sequence diagrams for reference by service standards, particularly those for the Network, Transport and Session Layers.

Although the original intention was for ISO to publish an International Standard for service conventions, it has become accepted that considerably more work is required to produce a completely satisfactory and comprehensive treatment of the subject.

The advanced state of development of the Network, Transport and Session service definitions is such that a common reference to their use of service conventions is required. This Technical Report is designed to meet that need, but not the complete needs of all service standards derived from the Basic Reference Model. Even then it has not been possible to ensure full alignment between these three standards and this Technical Report. Almost all divergences are not technically significant, insofar as they generally involve slightly different ways of presenting the same type of information.

Rather than seek perfect alignment, and hence introduce delays in the publication of those standards, a more practical but less elegant solution has been adopted. This Technical Report defines the general conventions used, but also identifies where a particular service standard uses significantly different conventions.

1 Scope and field of application

This Technical Report establishes definitions of terms and conventions for reference by standards defining the connection-oriented or connectionless-mode (N)-services provided by the Reference Model for Open Systems Interconnection (ISO 7498). In particular, it is concerned with conventions relating to a point-to-point connection, or instance of a point-to-point communication within a layer of the Reference Model.

NOTE — The scope of this Technical Report has been restricted to meet a specific urgent need for the Network, Transport and Session Layers. Where appropriate it can be applied to other layers.

Conventions for the other types of (N)-service, and wider issues of the underlying semantic model for (N)-services are the subject of further study.

2 References

ISO 7498, *Information processing systems — Open Systems Interconnection — Basic Reference Model*.

ISO 8072, *Information processing systems — Open Systems Interconnection — Transport service definition*.