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INFORMATION PROCESSING
SYSTEMS—
OPEN SYSTEMS
INTERCONNECTION—
BASIC CONNECTION ORIENTED
SESSION SERVICE DEFINITION



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AUSTRALIAN STANDARD

**INFORMATION PROCESSING
SYSTEMS—
OPEN SYSTEMS
INTERCONNECTION—
BASIC CONNECTION ORIENTED
SESSION SERVICE DEFINITION**

AS 3591—1988

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PREFACE

This Standard was prepared by the Association's Committee on Information Processing Systems. It is identical with, and has been reproduced, from International Standard ISO 8326:1987, drawn up by ISO TC 97, Information Processing Systems. It incorporates Amendment 1, issued 9 February 1988.

This Standard defines in an abstract way the externally visible service provided by the OSI Session Layer in terms of—

- (a) the primitive actions and events of the service;
- (b) the parameter data associated with each primitive action and event; and
- (c) the relationship between, and the valid sequence of these actions and events.

The service defined in this Standard is that which is provided by the OSI session protocol (in conjunction with the transport service) and which may be used by the OSI presentation protocol.

This Standard does not specify individual implementations or products, nor does it constrain the implementation of entities and interfaces within a computer system.

The Standard is one of a series of Open Systems Interconnection (OSI) Standards which are currently under development. Since OSI Standards are developmental, there may be some minor difficulties encountered in their implementation. For this reason, SAA will be providing a limited interpretation service to coordinate and disseminate information concerning difficulties which are identified during this Standard.

For the purpose of this Australian Standard, the text of the ISO Standard given herein should be modified as follows:

- (a) *Terminology.* The words 'Australian Standard' should replace the words 'International Standard' wherever they appear.
- (b) *Cross-references.* The references to International Standards should be replaced by references to Australian Standards as follows:

Reference to International Standard *Appropriate Australian Standard*

ISO 7498	Information processing systems—Open Systems interconnection—Basic Reference Model.	AS 2777	Information processing systems—Open Systems interconnection—Basic Reference Model.
ISO 7498/Add.3	Information processing systems—Open Systems interconnection—Basic Reference Model—Addendum 3: Naming and addressing.	—	—
ISO 8072	Information processing systems—Open Systems interconnection—Transport service definition.	AS 2911	Information processing systems—Open Systems interconnection—Transport service definitions (ISO 8072).
ISO 8327	Information processing systems—Open Systems interconnection—Basic connection oriented session protocol specification.	AS 3592	Information processing systems—Open Systems interconnection—Basic connection oriented session protocol specification.
ISO/TR 8509	Information processing systems—Open Systems interconnection—Service conventions	—	—

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Information processing systems—Open Systems Interconnection—Basic connection oriented session service definition

0 Introduction

This International Standard is one of a set of International Standards produced to facilitate the interconnection of computer systems.

This International Standard is related to other International Standards in the set as defined by the Reference Model for Open Systems Interconnection (ISO 7498). The Reference Model subdivides the area of standardization for interconnection into a series of layers of specification, each of manageable size.

The purpose of this International Standard is to define the service provided to the Presentation Layer at the boundary between the Session and Presentation Layers of the Reference Model. The session service is provided by the session protocol making use of the services available from the Transport Layer. This International Standard also defines the session service characteristics which the presentation protocol may exploit. The relationship between the International Standards for the session service, session protocol, transport service, and the presentation protocol is illustrated in figure 1.

It is recognized that, with respect to session Quality of Service, (described in clause 10), work is still in progress to provide an integrated treatment of QOS across all of the layers of the OSI Reference Model and to ensure that the individual treatments in each layer service satisfy overall QOS objectives in a consistent manner. As a consequence, an addendum may be added to this International Standard at a later time which reflects further QOS developments and integration.

1 Scope and field of application

This International Standard defines in an abstract way the externally visible service provided by the OSI Session Layer in terms of

- the primitive actions and events of the service;
- the parameter data associated with each primitive action and event;
- the relationship between and the valid sequence of these actions and events.

The service defined in this International Standard is that which is provided by the OSI session protocol (in conjunction with the transport service) and which may be used by the OSI presentation protocol.

This International Standard does not specify individual implementations or products, nor does it constrain the implementation of codes and interfaces within a computer system. There is, therefore, no conformance to this International Standard.

2 References

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

ISO 7498/Add.3, *Information processing systems — Open Systems Interconnection — Basic Reference Model — Addendum 3: Name including addressing*.¹⁾

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

ISO 8327, *Information processing systems — Open Systems Interconnection — Basic connection oriented session protocol specification*.

ISO/TR 8509, *Information processing systems — Open Systems Interconnection — Service conventions*.

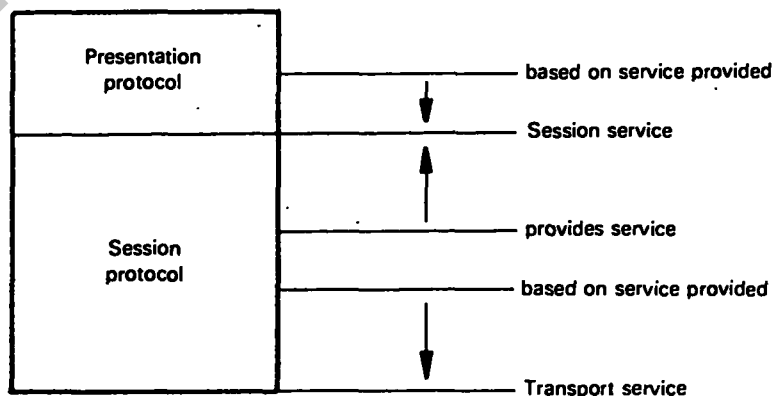


Figure 1 — Relationship of this International Standard to other OSI standards

1) At present at stage of draft; publication anticipated in due course.