

amendment March 1996  
(Identical to reproduced from  
ISO 8072-1986)

WITHDRAWN:  
19990601

AS 2911—1986  
UDC 681.3.01:681.324

# Australian Standard<sup>®</sup> 2911—1986

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## INFORMATION PROCESSING SYSTEMS— OPEN SYSTEMS INTERCONNECTION— TRANSPORT SERVICE DEFINITION (ISO 8072)



**STANDARDS ASSOCIATION OF AUSTRALIA**  
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This Australian standard was prepared by Committee IS/1, Information Processing Systems. It was approved on behalf of the Council of the Standards Association of Australia on 7 October 1986 and published on 3 November 1986.

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STANDARDS AUSTRALIA  
- 1 MAR 1996  
SYDNEY INFO. CENTRE

AS 2911/Amendment 1/1996-03-05

STANDARDS AUSTRALIA

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Amendment No. 1

to

AS 2911—1986

**Information processing systems—Open Systems Interconnection—  
Transport service definition**

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REVISED TEXT

The 1986 edition of AS 2911 is amended as follows; the amendment(s) should be inserted in the appropriate place.

**SUMMARY:** This Amendment applies to Table 1.

The text of this Amendment is reproduced from and is identical with ISO 8072:1986/Cor.1:1991

Published on 5 March 1996.

AUSTRALIAN STANDARD

INFORMATION PROCESSING SYSTEMS—  
OPEN SYSTEMS  
INTERCONNECTION—  
TRANSPORT SERVICE  
DEFINITION (ISO 8072)

AS 2311—1986

First published ..... 1986

PUBLISHED BY THE STANDARDS ASSOCIATION OF AUSTRALIA  
STANDARDS HOUSE, 80 ARTHUR ST, NORTH SYDNEY, N.S.W.

ISBN 0 7262 4415 5



27 OCT 1986

## 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 8072—1986; drawn up by ISO TC 97, Information Processing Systems.

The purpose of this standard is to define in an abstract way the externally visible service provided by the Open Systems Interconnection (OSI) Transport Layer in terms of the primitive actions and events of the service, the parameter data associated with each primitive action and event, and the relationship between, and the valid sequences of the actions and events.

It is one of a series of OSI standards which are currently under development or in the course of publication. 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 in using this standard.

For the purpose of this Australian standard, the text of the ISO standard wherever 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:
- | <i>Reference to International Standard</i>   | <i>Appropriate Australian Standard</i>  |
|--|---|
| ISO 7498, Information processing systems—Open systems interconnection—Basic reference model                                    | AS 2777, Information processing systems—Open systems interconnection—Basic reference model  |
| ISO 8073, Information processing systems—Open systems interconnection—Connection oriented transport protocol specification     | AS 2911, Information processing system—Open systems interconnection—Connection oriented transport protocol specification (ISO 8073)       |
| ISO 8327, Information processing systems—Open systems interconnection—Basic connection oriented session protocol specification | AS YYYY, Information processing systems—Open systems interconnection—Basic connection oriented session protocol specification (ISO 8327)* |
| ISO 8348, Information processing systems—Data communications—Network service definition  | AS ZZZZ, Information processing systems—Data communications—Network service definition (ISO 8348)*  |
| ISO/TR 8509, Information processing systems—Open systems interconnection—Service conventions                                   | AS WWWW, Guide to Service Conventions for Open Systems Interconnection (ISO TR 8509)*   |

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\* In course of preparation.

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## Contents

	Page
<b>0</b> Introduction .....	5
<b>1</b> Scope and field of application .....	5
<b>2</b> References .....	5
 <b>Section one : General</b>	
<b>3</b> Definitions .....	6
<b>4</b> Abbreviations .....	6
<b>5</b> Conventions .....	6
<b>6</b> Overview and general characteristics .....	7
<b>7</b> Features of the Transport Service .....	7
<b>8</b> Classes of Transport Service .....	7
<b>9</b> Model of the Transport Service .....	7
<b>10</b> Quality of Transport Service .....	9
 <b>Section two : Definition of primitives</b>	
<b>11</b> Sequence of Transport Service primitives .....	12
<b>12</b> Transport connection establishment phase .....	16
<b>13</b> Data transfer phase .....	17
<b>14</b> Transport connection release phase .....	18

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# Information processing systems — Open Systems Interconnection — Transport service definition

## 0 Introduction

This International Standard is one of a set of International Standards produced to facilitate the interconnection of computer systems. It is related to other International Standards in the set as defined by the Reference Model for Open Systems Interconnection. 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 Session Layer at the boundary between the Session and Transport Layers of the Reference Model. The Transport Service is provided by the Transport Protocol making use of the services available from the Network Layer. This International Standard also defines the Transport Service characteristics which the Session Protocol may exploit. The relationship between the International Standards for Transport Service, Transport Protocol, Network Service, and Session Protocol is illustrated in figure 1.

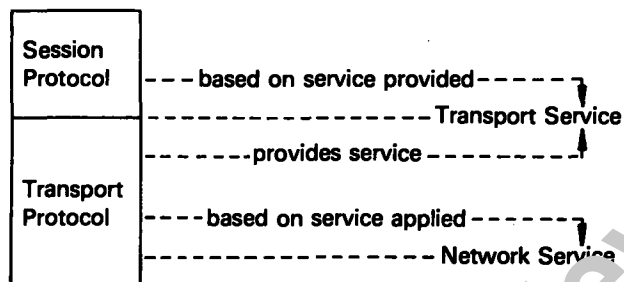


Figure 1 — Relationship of this International Standard to other OSI standards

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

## 1 Scope and field of application

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

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

The service defined in this International Standard is that which is provided by all OSI Transport Protocols (in conjunction with the Network Service) and which may be used by any OSI Session Protocol.

This International Standard does not specify individual implementations or products, nor does it constrain the implementation of entities 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 8073, *Information processing systems — Open Systems Interconnection — Connection oriented transport protocol specification.*
- ISO 8327, *Information processing systems — Open Systems Interconnection — Basic connection oriented session protocol specification.*<sup>1)</sup>
- ISO 8348, *Information processing systems — Data communications — Network service definition*
- ISO/TR 8509, *Information processing systems — Open Systems Interconnection — Service conventions.*<sup>1)</sup>

1) At present at the stage of draft.