

Australian Standard[®]

**Information processing systems—
Text communication—Remote
Operations**

**Part 1: Model, notation and service
definition**

This Australian Standard was prepared by Committee IT/1, Information Systems—Interconnection. It was approved on behalf of the Council of Standards Australia on 8 March 1991 and published on 13 May 1991.

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PREFACE

This Standard was prepared by the Standards Australia Committee on Information Systems — Interconnection. It is identical with and has been reproduced from ISO/IEC 9072-1: 1989, *Information processing systems—Text communication —Remote Operations —Part 1: Model, notation and service definition*.

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, Standards Australia will be providing, through the OSI Help Desk, a service to coordinate and disseminate information concerning difficulties which are identified in using this Standard.

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- (i) *Terminology* The words ‘Australian Standard’ should replace the words ‘International Standard’ wherever they appear.
- (ii) *References* The references to International Standards should be replaced by references to Australian Standards as follows:

<i>Reference to International Standard</i>	<i>Australian Standard</i>
ISO	AS
7498 Information processing systems—Open Systems Interconnection — Basic Reference Model	2777 Information processing systems—Open Systems Interconnection — Basic reference model
8059 Information processing systems—Open Systems Interconnection — Service Conventions	3620 Information processing systems—Open Systems Interconnection — Service conventions
8649 Information processing systems—Open Systems Interconnection— Service definition for the Association Control Service Element	—
8650 Information processing systems— Open Systems Interconnection— Protocol specification for the Association Control Service Element	—
8822 Information processing systems—Open Systems Interconnection—Connection oriented presentation service definition	3615 Information processing systems—Open Systems Interconnection— Connection oriented presentation service definition
8824 Information processing systems—Open Systems Interconnection—Specification of Abstract Syntax Notation One (ASN.1)	3625 Information processing systems—Open Systems Interconnection—Specification of Abstract Syntax Notation One (ASN.1)
8825 Information processing systems—Open Systems Interconnection—Specification of basic encoding rules for Abstract Syntax Notation One (ASN.1)	3626 Information processing systems—Open Systems Interconnection—Specification of basic encoding rules for Abstract Syntax Notation One (ASN.1)
ISO/IEC	
9066 Information processing systems —Text communication—Reliable Transfer	
9066-1 Part 1: Model and service definition	—
9066-2 Part 2: Protocol specification	—
9072 Information processing systems —Text communication—Remote Operations	3893 Information processing systems— Text communication—Remote Operations
9072-2 Part 2: Protocol specification	3893.2 Part 2: Protocol specification

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STANDARDS AUSTRALIA

Australian Standard**Information processing systems—Text communication—Remote Operations****Part 1: Model, notation and service definition****1 Scope**

This part of ISO/IEC 9072 defines a Remote Operation (RO-) notation for defining the services provided to interactive applications. This part of ISO/IEC 9072 also defines the services provided by the Remote Operation Service Element (ROSE) services. The ROSE services are provided by the use of the ROSE protocol (part 2 of ISO/IEC 9072) in conjunction with the Association Control Service Element (ACSE) services (ISO 8649) and the ACSE protocol (ISO 8650), optionally the Reliable Transfer Service Element (RTSE) services (ISO/IEC 9066-1) and the RTSE protocol (ISO/IEC 9066-2), and the presentation-service (ISO 8822).

No requirement is made for conformance to this part of ISO/IEC 9072.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC 9072. At the time of publication, the editions were valid. All Standards are subject to revision, and parties to agreement based on this part of ISO/IEC 9072 are encouraged to investigate the possibility of applying the most recent editions of the standards listed below. Members of ISO and IEC maintain Registers of currently valid International Standards.

ISO 7498: 1984, *Information processing systems - Open Systems Interconnection - Basic Reference Model*.

ISO/TR 8509: 1987, *Information processing systems - Open Systems Interconnection - Service Conventions*.

ISO 8649: 1988, *Information processing systems - Open Systems Interconnection - Service definition for the Association Control Service Element*.

ISO 8650: 1988, *Information processing systems - Open Systems Interconnection - Protocol specification for the Association Control Service Element*.

ISO 8822: 1988, *Information processing systems - Open Systems Interconnection - Connection oriented presentation service definition*.

ISO 8824: 1987, *Information processing systems - Open Systems Interconnection - Specification of Abstract Syntax Notation One (ASN.1)*.

ISO 8825: 1987, *Information processing systems - Open Systems Interconnection - Specification of basic encoding rules for Abstract Syntax Notation One (ASN.1)*.

ISO/IEC 9066-1: 1989, *Information processing systems - Text communication - Reliable Transfer - Part 1: Model and service definition*.

ISO/IEC 9066-2: 1989, *Information processing systems - Text communication - Reliable Transfer - Part 2: Protocol specification*.

ISO/IEC 9072-2: 1989, *Information processing systems - Text communication - Remote Operations - Part 2: Protocol specification*.

3 Definitions**3.1 Reference Model definitions**

This part of ISO/IEC 9072 is based on the concepts developed in ISO 7498 and makes use of the following terms defined in it:

- a) Application Layer;
- b) application-process;
- c) application-entity;
- d) application-service-element;
- e) application-protocol-data-unit;
- f) application-protocol-control-information;
- g) Presentation Layer;