

AS 4019.5—1992  
ISO/IEC 9594-5:1990

Australian Standard<sup>®</sup>

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**Information technology—  
Open Systems Interconnection—  
The Directory**

**Part 5: Protocol specifications**

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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 9594-5:1990, *Information technology—Open Systems Interconnection—The Directory—Part 5: Protocol specifications*.

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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- (ii) *References* The references to International Standards should be replaced by references to Australian Standards as follows:

<i>Reference to International Standard or other Publication</i>	<i>Australian Standard</i>
7498 Information Processing Systems—Open Systems Interconnection—Basic Reference Model	2777 Information processing systems—Open Systems Interconnection—Basic reference model
8649 Information Processing Systems—Open Systems Interconnection—Service Definition for the Association Control Service Element	3683 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	3684 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
ISO/IEC 8824 Information Technology—Open Systems Interconnection—Specification of Abstract Syntax Notation One (ASN.1)	3625 Information technology—Open Systems Interconnection—Specification of Abstract Syntax Notation One (ASN.1)
8825 Information Technology—Open Systems Interconnection—Specification of Basic Encoding rules for Abstract Syntax Notation One (ASN.1)	3626 Information technology—Open Systems Interconnection—Specification of basic encoding rules for Abstract Syntax Notation One (ASN.1)
9072 Information Processing Systems—Text Communication—Remote Operations	3893 Information processing systems—Text communication—Remote operations
9072-1 Part 1: Model, Notation and Service Definition	3893.1 Part 1: Model, notation and service definition
9072-2 Part 2: Protocol Specification	3893.2 Part 2: Protocol specification
9594 Information Technology—Open Systems Interconnection—The Directory	4019 Information technology—Open Systems Interconnection—The Directory
9594-1 Part 1: Overview of Concepts, Models and Services	4019.1 Part 1: Overview of concepts, models and services
9594-2 Part 2: Models	4019.2 Part 2: Models
9594-3 Part 3: Abstract Service Definition	4019.3 Part 3: Abstract service definition
9594-4 Part 4: Procedures for Distributed Operation	4019.4 Part 4: Procedures for distributed operation
9594-6 Part 6: Selected Attribute Types	4019.6 Part 6: Selected attribute types
9594-7 Part 7: Selected Object Classes	4019.7 Part 7: Selected object classes
9594-8 Part 8: Authentication Framework	4019.8 Part 8: Authentication framework

10021	Information Technology—Text Communication—Message Oriented Text Interchange System (MOTIS)	—	Information technology—Text communication—Message oriented text interchange system
10021-3	Part 3: Abstract Service Definition Conventions	—	Part 3: Abstract service definition conventions

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# Information technology—Open Systems Interconnection—The Directory

## Part 5: Protocol specifications

### 1 Scope

This part of ISO/IEC 9594 specifies the Directory Access Protocol and the Directory System Protocol, fulfilling the abstract services specified in ISO/IEC 9594-3 and ISO/IEC 9594-4.

### 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC 9594. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO/IEC 9594 are encouraged to investigate the possibility of applying the most recent editions of the standards listed below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 7498:1984, *Information Processing Systems—Open Systems Interconnection—Basic Reference Model.*

ISO 8649:1988, *Information Processing Systems—Open Systems Interconnection—Service Definition of the Association Control Service Element.*

ISO 8650:1988, *Information Processing Systems—Open Systems Interconnection—Protocol Specification for the Association Control Service Element.*

ISO 8822:1987, *Information Processing Systems—Open Systems Interconnection—Connection Oriented Presentation Service Definition.*

ISO/IEC 824:1990, *Information Technology—Open Systems Interconnection—Specification of Abstract Syntax Notation One (ASN.1).*

ISO/IEC 8825:1990, *Information Technology—Open Systems Interconnection—Specification of Basic Encoding rules for Abstract Syntax Notation One (ASN.1).*

ISO/IEC 9072-1:1989, *Information Processing Systems—Text Communication—Remote*

*Operations—Part 1: Models, Notation and Service Definition.*

ISO/IEC 9072-2:1989, *Information Processing Systems—Text Communication—Remote Operations—Part 2: Protocol Specification.*

ISO/IEC 9594-1:1990, *Information Technology—Open Systems Interconnection—The Directory—Part 1: Overview of Concepts, Models and Services.*

ISO/IEC 9594-2:1990, *Information Technology—Open Systems Interconnection—The Directory—Part 2: Models.*

ISO/IEC 9594-3:1990, *Information Technology—Open Systems Interconnection—The Directory—Part 3: Abstract Service Definition.*

ISO/IEC 9594-4:1990, *Information Technology—Open Systems Interconnection—The Directory—Part 4: Procedures for Distributed Operation.*

ISO/IEC 9594-6:1990, *Information Technology—Open Systems Interconnection—The Directory—Part 6: Selected Attribute Types.*

ISO/IEC 9594-7:1990, *Information Technology—Open Systems Interconnection—The Directory—Part 7: Selected Object Classes.*

ISO/IEC 9594-8:1990, *Information Technology—Open Systems Interconnection—The Directory—Part 8: Authentication Framework.*

ISO/IEC 10021-3:1990, *Information Technology—Text Communication—Message Oriented Text Interchange System (MOTIS)—Part 3: Abstract Service Definition Conventions.*

### 3 Definitions

The definitions contained in this clause make use of the abbreviations defined in clause 4.