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Australian Standard®

Information technology—Text communication—Message-oriented text interchange systems

Part 2: Overall architecture

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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 10021-2:1990, *Information technology—Text Communication—Message-Oriented Text Interchange Systems (MOTIS)*—Part 2: *Overall Architecture.*

Technical Corrigendum 1, 2 and 3 have been bound at the back of this Standard. Text affected by this Corrigenda are marked by a marginal bar.

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

(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:

Reference to International Standard or other Publication		*Australian Standard*	
ISO		AS	
3166	Codes for the representation of names of countries	2632	Codes for the representation of names of countries
7498	Information processing systems—Open Systems Interconnection—Basic Reference Model	2777	Information processing systems—Open Systems Interconnection—Basic reference model
7498-2	Part 2: Security Architecture	2777.2	Part 2: Security architecture
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
8824	Information processing systems—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 processing systems—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)
ISO/IEC			
9066	Information processing systems—Text Communication—Reliable Transfer	4016	Information processing systems—Text communication—Reliable transfer
9066-1	Part 1: Model and service definition	4016.1	Part 1: Model and service definition
9066-2	Part 2: Protocol specification	4016.2	Part 2: Protocol specification

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
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Part 2: Overall architecture

Section one - Introduction

1 Scope

This part of ISO/IEC 10021 defines the overall architecture of the MHS and serves as a technical introduction to it.

Other aspects of Message Handling are specified in other parts of ISO/IEC 10021. A non-technical overview of Message Handling is provided by ISO/IEC 10021-1. The conventions used in the definition of the abstract services provided by MHS components are defined in ISO/IEC 10021-3. The abstract service the MTS provides and the procedures that govern its distributed operation are defined in ISO/IEC 10021-4. The abstract service the MS provides is defined in ISO/IEC 10021-5. The application protocols that govern the interactions of MHS components are specified in ISO/IEC 10021-6. The Interpersonal Messaging System, an application of Message Handling, is defined in ISO/IEC 10021-7.

The ISO International Standards and CCITT Recommendations on Message Handling are summarized in Table 1.

Table 1
Specifications for Message Handling Systems

ISO/IEC	CCITT	SUBJECT MATTER
Introduction		
10021-1	X.400	Service and system overview
10021-2	X.402	Overall architecture
Various Aspects		
-	X.403	Conformance testing
10021-3	X.407	Abstract service definition conventions
-	X.408	Encoded information type conversion rules
Abstract Services		
10021-4	X.411	MTS Abstract Service definition and procedures for distributed operation
10021-5	X.413	MS Abstract Service definition
Protocols		
10021-6	X.419	Protocol specifications
Interpersonal Messaging System		
10021-7	X.420	Interpersonal Messaging System
-	T.330	Telematic access to IPMS

The Directory, the principal means for disseminating communication-related information among MHS components, is defined in ISO/IEC 9594, as summarized in Table 2.