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Australian Standard®

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

Part 6: 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 10021-6: 1990, *Information technology—Text Communication—Message-Oriented Text Interchange Systems (MOTIS)*— Part 6: *Protocol Specifications.*

Technical Corrigendum 1, 2 and 3 have been bound at the back of this Standard. Text affected by these Corrigenda is 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	
8649	Information processing systems—Open Systems Interconnection—Service definition for the Association Control Service Element	3623	Information processing systems—Open Systems Interconnection—Service definition 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)
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
9594-2	Part 2: Models	4019.2	Part 2: Models
10021	Information technology—Text communication—Message-Oriented Text Interchange Systems (MOTIS)	4033	Information technology—Text communication—Message-oriented text interchange systems
10021-1	Part 1: Service and system overview	4033.1	Part 1: Service and system overview
10021-2	Part 2: Overall architecture	4033.2	Part 2: Overall architecture
10021-3	Part 3: Abstract service definition conventions	4033.3	Part 3: Abstract service definition conventions

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Section one - Introduction

1 Scope

This part of ISO 10021 specifies the MTS Access Protocol (P3) used between a remote user-agent and the MTS to provide access to the MTS Abstract Service defined in ISO/IEC 10021-4.

This part of ISO/IEC 10021 also specifies the MS Access Protocol (P7) used between a remote user-agent and a message-store (MS) to provide access to the MS Abstract Service defined in ISO/IEC 10021-5.

This part of ISO/IEC 10021 also specifies the MTS Transfer Protocol (P1), used between MTAs to provide the distributed operation of the MTS as defined in ISO/IEC 10021-4.

ISO/IEC 10021-2 identifies the other International Standards which define other aspects of Message Handling Systems.

Section two of this part of ISO/IEC 10021 specifies the MHS Access Protocols (P3 and P7). Clause 6 provides an overview of the MHS Access Protocols. Clause 7 defines the abstract-syntax of the MTS Access Protocol (P3). Clause 8 defines the abstract-syntax of the MS Access Protocol (P7). Clause 9 defines the mapping of the MHS Access Protocols onto used services. Clause 10 specifies conformance requirements for systems implementing the MHS Access Protocols.

Section three of this part of ISO/IEC 10021 specifies the MTS Transfer Protocol (P1). Clause 11 provides an overview of the MTS Transfer Protocol (P1). Clause 12 defines the abstract-syntax of the MTS Transfer Protocol (P1). Clause 13 defines the mapping of the MTS Transfer Protocol (P1) onto used services. Clause 14 specifies conformance requirements for systems implementing the MTS Transfer Protocol (P1).

Annex A provides a reference definition of the MHS protocol object identifiers cited in the ASN.1 modules in the body of this part of ISO/IEC 10021.

Annex B describes protocol rules for interworking with implementations of the CCITT Recommendation X.411 (1984) using the MTS Transfer Protocol (P1).

Annex C identifies the differences between the CCITT Recommendation X.411 (1984) and this part of ISO/IEC 10021.

Annex D identifies the technical differences between the ISO/IEC and CCITT versions of CCITT Recommendations X.419 and ISO/IEC 10021-6.

Annex E provides an index to this part of ISO/IEC 10021, categorised into: Abbreviations; Terms; Information items; ASN.1 modules; ASN.1 macros; ASN.1 types; and ASN.1 values.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC 10021. 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 10021 are