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Australian Standard®

Information processing systems—Open Systems Interconnection—Specification of the basic class protocol for Job Transfer and Manipulation

STANDARDS AUSTRALIA

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PREFACE

This Standard was prepared by the Standards Australia Committee on Information Technology-Interconnection. It is identical with and has been reproduced from International Standard ISO 8832: 1989: *Information processing systems—Open Systems Interconnection—Specification of the Basic Class Protocol for Job Transfer and Manipulation.*

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 a limited interpretation service to coordinate and disseminate information concerning difficulties which are identified in using this Standard.

Under arrangements made between Standards Australia and the International Standards Bodies, ISO and IEC, as well as certain other Standards organizations, users of this Australian Standard are advised of the following:

(a) Copyright is vested in Standards Australia.

(b) The number of this Standard is not reproduced on each page; its identity is shown only on the cover and title pages.

For the purpose of this Australian Standard, the text of the ISO Standard given herein 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		*Australian Standard*	
ISO		AS	
8571-3	Information processing systems—Open Systems Interconnection—File Transfer, Access and Management—Part 3: File Service Definition	—	
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 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)
8831	Information processing systems—Open Systems Interconnection—Job Transfer and Manipulation concepts and services	3697	Information processing systems—Open Systems Interconnection—Job Transfer and Manipulation concepts and services
9804	Information processing systems—Open Systems Interconnection—Service definition for the Commitment, Concurrency and Recovery service element	—	
9805	Information processing systems—Open Systems Interconnection—Protocol specification for the Commitment, Concurrency and Recovery service element	—	

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Section 1 : General

1.1 Scope

This International Standard specifies the behaviour to be exhibited by an implementation claiming to conform to this International Standard.

It specifies both dynamic conformance and static conformance. It can be referenced by other OSI Standards (using the notation defined in the JTM Service Definition) to invoke the procedures specified in this International Standard.

This International Standard is to be applied by an implementor in developing a conforming implementation, and can also be referenced when the requirements for an implementation are specified.

The facilities provided by a JTM implementation are applicable to any field of activity in which asynchronous movement of documents is to occur.

This International Standard does not completely determine the transfer syntax to be used in an instance of communication, but does specify a transfer syntax which all implementations are required to support.

This International Standard specifies

— the application-context name to be used to reference the procedures of this International Standard in application-context negotiation;

— the abstract syntax name to used be to reference the abstract syntax of a JTM Transfer Element, CCR user data and JTM-defined documents, specified in this International Standard by use of ASN.1;

— the transfer syntax name to be used to reference the transfer syntax obtained by applying the ASN.1 Basic Encoding Rules to the abstract syntax specified using ASN.1.

This International Standard defines a set of local management functions which are needed in order to support the operation of a JTM implementation. These local management functions are invoked by the JTM Application Service Element. They are not modelled as operations within the application entity, nor do they form part of the normal services provided by or assumed by the JTM Application Service Element. They form a means of specifying the degree of flexibility which is permitted to or required of implementations conforming to this International Standard.

1.2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard 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 8571-3:1988, *Information processing systems - Open Systems Interconnection - File Transfer, Access and Management - Part 3 : File Service definition.*

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).*