AS 10303.22—2000
ISO 10303-22:1998

Australian Standard™

Industrial automation systems and integration—Product data representation and exchange

Part 22: Implementation methods: Standard data access interface

Standards Australia

This Australian Standard was prepared by Committee IT/6, Information Technology for Industrial Automation and Integration. It was approved on behalf of the Council of Standards Australia on 28 April 2000 and published on 8 June 2000.

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The following interests are represented on Committee IT/6:

Australian Association of Consulting Engineers

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PREFACE

This Standard was prepared by the Standards Australia Committee IT/6, Information Technology for Industrial Automation and Integration. This Standard is identical with and has been reproduced from ISO 10303-22:1998, *International automation systems and integration—Product data representation and exchange,* Part 22: *Implementation methods: Standard data access interface.*

The objective of this Standard is to provide designers of computer-interpretable representation and exchange of product data with a specification for the operations available to an application for the purposes of acquiring an manipulating data whose structure is defined by using Part 11 of this Standard.

This Standard is Part 22 of AS 10303, *Industrial automation systems and integration—Product data representation and exchange*, which is published in parts as follows:

Part 1:   Overview and fundamental principles
Part 11:   Description methods: The EXPRESS language reference manual
Part 12:   Description methods: The EXPRESS-I language reference manual
Part 21:   Implementation methods: Clear text encoding of the exchange structure
Part 22:   Implementation methods: Standard data access interface (this Standard)
Part 31:   Conformance testing methodology and framework: General concepts
Part 41:   Integrated generic resources: Fundamentals of product description and support
Part 42:   Integrated generic resources: Geometric and topological representation
Part 43:   Integrated generic resources: Representation structures
Part 44:   Integrated generic resources: Product structure configuration
Part 45:   Integrated generic resources: Materials
Part 46:   Integrated generic resources: Visual presentation
Part 47:   Integrated generic resource: Shape variation tolerances
Part 49:   Integrated generic resources: Process structure and properties
Part 101:   Integrated application resources: Draughting
Part 105:   Integrated application resource: Kinematics
Part 201:   Application protocol: Explicit draughting
Part 202:   Application protocol: Associative draughting
Part 203:   Application protocol: Configuration controlled design
Part 203:   Application protocol—Configuration controlled design (Amendment No.1)
Part 207:   Application protocol: Sheet metal die planning and design
Part 224:   Application protocol: Mechanical product definition for process planning using machining features

The terms 'normative' and 'informative' have been used in this Standard to define the application of the annex to which they apply. A normative annex is an integral part of a Standard, whereas an informative annex is only for information and guidance.

As this Standard is reproduced from an International Standard, the following applies:

(a)   Its number does not appear on each page of text and its identity is shown only on the cover and title page.

(b)   In the source text 'this part of ISO 10303' should read 'this Australian Standard'.

(c)   A full point should be substituted for a comma when referring to a decimal marker.

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Reference to International Standard		*Australian or Australian/New Zealand Standard*	
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		AS	
10303	Industrial automation systems and integration—Product data representation and exchange	10303	Industrial automation systems and integration—Product data representation and exchange
10303-1	Part 1: Overview and fundamental principles	10303.1	Part 1: Overview and fundamental principles
10303-11	Part 11: Description methods: The EXPRESS language reference manual	10303.11	Part 11: Description methods: The EXPRESS language reference manual
10303-21	Part 21: Implementation methods: Clear text encoding of the exchange structure	10303.21	Part 21: Implementation methods: Clear text encoding of the exchange structure
10303-31	Part 31: Conformance testing methodology and framework: General concepts	10303.31	Part 31: Conformance testing methodology and framework: General concepts
ISO/IEC		AS/NZS	
8824	Information technology—Abstract Syntax Notation One (ASN.1)	8824	Information technology—Abstract Syntax Notation One (ASN.1)
8824-1	Part 1: Specification of basic notation	8824.1	Part 1: Specification of basic notation

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