

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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## 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

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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	
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