

AS 10303.203—1998

ISO 10303-203:1994

ISO 10303-203:1994/Cor.1:1996

Australian Standard™

**Industrial automation systems
and integration—Product data
representation and exchange**

**Part 203: Application protocol:
Configuration controlled design**

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 16 June 1998 and published on 5 September 1998.

The following interests are represented on Committee IT/6:

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This Standard was issued in draft form for comment as DR 98106.

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First published as AS 10303.203—1998.

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee IT/6, Information Technology for Industrial Automation and Integration. The Standard is the result of a consensus among the representatives on the Joint Committee that it be produced as an Australian Standard. It is identical with and has been reproduced from ISO 10303-203:1994, *Industrial automation systems and integration—Product data representation and exchange, Part 203: Application protocol: Configuration controlled design* including Technical Corrigendum 1, which replaces Annex B, supplied on diskette.

The objective of this Standard is to provide users of integrated automation systems with the integrated resources necessary for the scope and information requirements for the exchange between application systems of configuration controlled 3D designs of mechanical parts and assemblies.

This Standard is Part 203 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 21: Implementation methods: Clear text encoding of the exchange structure
- 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 46: Integrated generic resources: Visual representation
- Part 101: Integrated application resources: Draughting
- Part 201: Application protocol: Explicit draughting
- Part 203: Application protocol: Configuration controlled design (this Standard)

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.

Annex B, which is in the form of computer-interpretable listings, and Annex A are supplied on a diskette, which is part of this Standard.

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- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
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- (c) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to equivalent Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard or other publication</i>		<i>Australian or Joint Australian/New Zealand Standard</i>	
ISO		AS	
31	Quantities and units	2900	Quantities, units and symbols
1000	SI units and recommendations for the use of their multiples and of certain other units	1000	The International System of Units (SI) and its application
10303	Industrial automation systems and integration—Product data representation and exchange	10303	Industrial automation systems and integration—Product data representation and exchange

ISO

- 10303-1 Part 1: Overview and fundamental principles
- 10303-11 Part 11: Description methods: The EXPRESS language reference manual
- 10303-21 Part 21: Implementation methods: Clear text encoding of the exchange structure
- 10303-31 Part 31: Conformance testing methodology and framework: General concepts
- 10303-41 Part 41: Integrated generic resources: Fundamentals of product description and support
- 10303-42 Part 42: Integrated generic resources: Geometric and topological representation
- 10303-43 Part 43: Integrated generic resources: Representation structures
- 10303-44 Part 44: Integrated generic resources: Product structure configuration
- 10303-101 Part 101: Integrated application resources: Draughting

ISO/IEC

- 8824 Information Technology—Open Systems Interconnection—Abstract Syntax Notation One (ASN.1)
- 8824-1 Specification of Basic Notation

AS

- 10303.1 Part 1: Overview and fundamental principles
- 10303.11 Part 11: Description methods—The EXPRESS language reference manual
- 10303.21 Part 21: Implementation methods—Clear text encoding of the exchange structure
- 10303.31 Part 31: Conformance testing methodology and framework— General concepts
- 10303.41 Part 41: Integrated generic resources—Fundamentals of product description and support
- 10303.42 Part 42: Integrated generic resources—Geometric and topological representation
- 10303.43 Part 43: Integrated generic resources—Representation structures
- 10303.44 Part 44: Integrated generic resources—Product structure configuration
- 10303.101 Part 101: Integrated application resources—Draughting

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