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AS 10303.41—1998
ISO 10303-41:1994

Australian Standard™

Industrial automation systems and integration—Product data representation and exchange

Part 41: Integrated generic resources: Fundamentals of product description and support

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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.

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Association of Consulting Engineers Australia

Australian Air Transport Association

Australian Chamber of Manufactures

Australian Electrical and Electronic Manufacturers Association

Australian Foundry Institute

Australian Information Industry Association

Australian Institute of Steel Construction

Australian Robot Association

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PREFACE

This Standard was prepared by Standards Australia Committee IT/6, Information Technology for Industrial Automation and Integration. The Standard is the result of a consensus among the representatives on the Committee that it be produced as an Australian Standard. It is identical with and has been reproduced from ISO 10303-41:1994, *Industrial automation systems and integration—Product data representation and exchange,* Part 41: *Integrated generic resources: Fundamentals of product description and support*.

The objective of this Standard is to provide users of integrated automation systems with a specification of the general product description, generic management and support resources.

This Standard is Part 41 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 (this Standard)
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

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

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

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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

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8824	Information Technology—Open Systems Interconnection—Abstract Syntax notation One (ASN.1)		
8824-1	Part 1: Specification of Basic Notation	—	
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: EXPRESS language reference manual	10303.11	Part 11: Description methods: The EXPRESS language reference manual
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10303-44	Part 44: Integrated resources: Product structure configuration	10303.44	Part 44: Integrated resources: Product structure configuration

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