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ICS 35.240.50
CCS L67

NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB/T 16656.203-1997

Industrial automation systems and integration. Product data representation and exchange. Part 203: Application protocol: Configuration controlled design

工业自动化系统与集成产品数据的表达与交换 第203部分:应用协议:配置控制设计

(English Translation)

Issued on: September 2, 1997 **Implemented on: April 1, 1998**

Issued by: State Bureau of Technical Supervision

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1 Foreword

GB/T 16656.203-1997 was issued by State Bureau of Technical Supervision on 2 September 1997 and has been in force since 1 April 1998.

It is one of 39 parts of the GB/T 16656 series.

2 Scope

This standard specifies an integrated range of resources and information needs are necessary. In this environment, the configuration includes only the relevant three-dimensional product design data control processes and data. Here the concept of exchange used for the purposes of its range, very narrow, only including data that is exchanged as a three-dimensional product definition. Organizations within the scope of this standard for exchanging data may have a contractual relationship, and beyond the scope of this standard in its details.

3 About this standard

Sector: National Standard (Recommended)

Issued by: State Bureau of Technical Supervision

English translation: about 273 pages (approximate)

Chinese original: about 409,469 characters

4 Related standards

Other parts of this standard:

GB/T 16656.1-2008 - Industrial automation systems and integration -- Product data representation and exchange -- Part 1: Overview and fundamental principles

GB/T 16656.11-2010 - Industrial automation systems and integration -- Product data representation and exchange -- Part 11: Descriptive methods: The EXPRESS language reference manual

GB/T 16656.14-2023 - Industrial automation systems and integration - Product data representation and exchange - Part 14: Description methods: The EXPRESS-X language reference manual

GB/T 16656.21-2008 - Industrial automation systems and integration -- Product data representation and exchange -- Part 21: Implementation methods: Clear text encoding of the exchange structure

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GB/T 16656.22-2023 - Industrial automation systems and integration - Product data representation and exchange - Part 22: Implementation methods: Standard data access interface

GB/T 16656.28-2010 - Industrial automation systems and integration -- Product data representation and exchange -- Part 28: Implementation methods: XML representations of EXPRESS schemas and data, using XML schemas

GB/T 16656.31-1997 - Part 31: Conformance testing methodology and framework: General concepts

GB/T 16656.32-1999 - Part 32: Conformance testing methodology and framework: Requirements on testing laboratories and clients

GB/T 16656.34-2002 - Industrial automation systems and integration -- Product data representation and exchange -- Part 34: Conformance testing methodology and framework: Abstract test methods for application protocol implementations

GB/T 16656.41-2010 - Industrial automation systems and integration -- Product data representation and exchange -- Part 41: Integrated generic resources: Fundamentals of product description and support

GB/T 16656.42-2010 - Industrial automation systems and integration -- Product data representation and exchange -- Part 42: Integrated generic resources: Geometric and topological representation

GB/T 16656.43-2008 - Industrial automation systems and integration -- Product data representation and exchange -- Part 43: Integrated generic resource: Representation structures

GB/T 16656.44-2008 - Industrial automation systems and integration -- Product data representation and exchange -- Part 44: Integrated generic resources: Product structure configuration

GB/T 16656.45-2013 - Industrial automation systems and integration -- Product data representation and exchange -- Part 45: Integrated generic resources: Material and other engineering properties

GB/T 16656.46-2010 - Industrial automation systems and integration -- Product data representation and exchange -- Part 46: Integrated generic resources: Visual presentation

GB/T 16656.47-2008 - Industrial automation systems and integration -- Product data representation and exchange -- Part 47: Integrated generic resources: Shape variation tolerances

GB/T 16656.49-2003 - Industrial automation systems and integration -- Product data representation and exchange -- Part 49: Integrated generic resource: Process structure and properties

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GB/T 16656.51-2010 - Industrial automation systems and integration -- Product data representation and exchange -- Part 51: Integrated generic resource: Mathematical representation

GB/T 16656.52-2023 - Industrial automation systems and integration - Product data representation and exchange - Part 52: Integrated generic resource: Mesh-based topology

GB/T 16656.54-2010 - Industrial automation systems and integration -- Product data representation and exchange -- Part 54: Integrated generic resource: Classification and set theory

GB/T 16656.55-2010 - Industrial automation systems and integration -- Product data representation and exchange -- Part 55: Integrated generic resource: Procedural and hybrid representation

GB/T 16656.56-2010 - Industrial automation systems and integration -- Product data representation and exchange -- Part 56: Integrated generic resource: State

GB/T 16656.101-2010 - Industrial automation systems and integration -- Product data representation and exchange -- Part 101: Integrated application resources: Draughting

GB/T 16656.105-2010 - Industrial automation systems and integration -- Product data representation and exchange -- Part 105: Integrated application resource: Kinematics

GB/T 16656.201-1998 - Part 201: Application protocol: Explicit draughting

GB/T 16656.202-2000 - Part 202: Application protocol: Associative draughting

GB/T 16656.238-2013 - Industrial automation systems and integration -- Product data representation and exchange -- Part 238: Application Protocol: Application interpreted model for computerized numeric controllers

GB/T 16656.501-2005 - Industrial automation systems and integration -- Product data representation exchange -- Part 501: Application interpreted construct: Edge-based wireframe

GB/T 16656.502-2005 - Industrial automation systems and integration -- Product data representation and exchange -- Part 502: Application interpreted construct: Shell-based wireframe

GB/T 16656.503-2004 - Industrial automation systems and integration -- Product data representation and exchange -- Part 503: Application interpreted construct: Geometrically bounded 2D wireframe

GB/T 16656.504-2010 - Industrial automation systems and integration -- Product data representation and exchange -- Part 504: Application interpreted construct: Draughting annotation

GB/T 16656.505-2010 - Industrial automation systems and integration -- Product data

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representation and exchange -- Part 505: Application interpreted construct: Drawing structure and administration

GB/T 16656.506-2010 - Industrial automation systems and integration -- Product data representation and exchange -- Part 506: Application interpreted construct: Draughting element

GB/T 16656.507-2010 - Industrial automation systems and integration -- Product data representation and exchange -- Part 507: Application interpreted construct: Geometrically bounded surface

GB/T 16656.508-2010 - Industrial automation systems and integration -- Product data representation and exchange -- Part 508: Application interpreted construct: Non-manifold surface

GB/T 16656.509-2010 - Industrial automation systems and integration -- Product data representation and exchange -- Part 509: Application interpreted construct: Manifold surface

GB/T 16656.513-2004 - Industrial automation systems and integration -- Product date representation and exchange -- Part 513: Application interpreted construct: Elementary boundary representation

GB/T 16656.520-2002 - Industrial automation systems and integration -- Product data representation and exchange -- Part 34: Conformance testing methodology and framework: Abstract test methods for application protocol implementations

5 Classification and status

International classification (ICS): 35.240.50

Chinese Standard Classification (CCS): L 67

Prefix GB/T: recommended standard.

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