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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

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**Industrial automation systems and integration - Product data
representation and exchange - Part 22: Implementation
methods: Standard data access interface**

工业自动化系统与集成 产品数据表达与交换 第22部分：实现方法：标准数据访问接口

(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Drafting.

This document is Part 22 of GB/T 16656 "Data Expression and Exchange of Industrial Automation Systems and Integrated Products".

GB/T 16656 has released the following parts.

---Part 1: Overview and basic principles;

---Part 11: Description method. EXPRESS Language Reference Manual;

---Part 21: Implementation method. plain text encoding of exchange file structure;

---Part 22: Implementation method. Standard data access interface;

---Part 28: Implementation method. EXPRESS schema and XML expression of data (using XML schema);

---Part 31: Conformance testing methodology and framework. basic concepts;

---Part 32: Conformance testing methodology and framework. Requirements for testing laboratories and customers;

---Part 34: Conformance testing methodology and framework. abstract testing methods for application protocol implementation;

---Part 41: Integrating Common Resources. Product Description and Support Principles;

---Part 42: Integrating common resources. geometric and topological expressions;

---Part 43: Integrating common resources. expression structures;

---Part 44: Integrating common resources. product structure configuration;

---Part 45: Integrating common resources. materials and other engineering properties;

---Part 46: Integrating common resources. visual display;

- Part 47: Integrating Common Resources. Shape Change Tolerance;
- Part 49: Integrated common resources. process structure and characteristics;
- Part 51: Integrating general resources. mathematical expressions;
- Part 52: Integrating common resources. Grid-based topology;
- Part 54: Integrating general resources. classification and set theory;
- Part 55: Integrating common resources. processes and hybrid expressions;
- Part 56: Integrating common resources. status;
- Part 101: Integrated Application Resources. Drawing;
- Part 102: View exchange protocol conforming to GB/T 16656 conformance specification;
- Part 105: Integrated Application Resources. Kinematics;
- Part.201.Application protocol. Explicit drawing;
- Part 202: Application protocol. related drawings;
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- Part 1001: Application module. Appearance assignment;
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