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**NATIONAL STANDARD OF THE
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GB/T 33863.7-2017

OPC unified architecture -- Part 7: Profiles

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3.1 Terms and definitions

Foreword

GB/T 33863 "OPC Unified Architecture" is divided into the following 13 sections.

--- Part 1. Overview and concepts;

--- Part 2. Safety Model;

--- Part 3. Address space model;

--- Part 4. Services;

--- Part 5. Information model;

--- Part 6. Mapping;

--- Part 7. Rules;

--- Part 8. Data access;

--- Part 9. Alarms and conditions;

--- Part 10. Procedures;

--- Part 11. Historical visits;

--- Part 12. Found;

--- Part 13. Aggregation.

This section GB/T 33863 Part 7.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses the translation method identical with IEC 62541-7:2012 "OPC Unified Architecture Part 7. Code."

This part is proposed by China Machinery Industry Federation.

This part of the National Industrial Process Measurement Control and Automation Standardization Technical Committee (SAC/TC124) centralized.

This part of the drafting unit. Machinery Industry Instrumentation Technology and Economy Institute, Chongqing Chuan Yi Automation Co., Ltd., Shanghai

Automation Instrumentation Co., Ltd., Beijing three-dimensional control Technology Co., Ltd., Southwest University, China Tobacco Corporation staff training college.

Introduction

This section provides specifications for OPC Unified Architecture application developers. This standard is given for the development of standard interfaces for analysis and design

The standard interface accelerates application development by multiple vendors and seamlessly integrates internal operations.

OPC Unified Architecture Part 7. Profile Rules

1 Scope

GB/T 33863 This section describes the OPC unified architecture of the rules. The rules are used to describe the features exposed by the OPCUA server

As well as the functionality used by the OPCUA client. Functional details specified in other parts of GB/T 33863.

The rules are used by vendors to promote the OPCUA capabilities of their products. The rules for product support are common in their product data sheets. buyer

These profile information will be used to designate and purchase products that work together to meet the needs of a particular application. Almost all OPCUA should

Use are consistent with several rules, but not all the rules.

Line rules are used to isolate features related to the nature of OPCUA product testing and testing. This includes OPCUA provided by the OPC Foundation

Compliance testing tools and tests performed by independent certification testing laboratories. These tests can also be tested by other organizations or testing tools

What laboratories provide, what is important is based on automation tools and lab-based concepts. The scope of this specification defines the laboratory test

Trial functions, and different functional groupings when selecting a lab or automation tool for OPCUA product testing. Actual test cases

The definition does not fall within the scope of this document, but includes general categories of test cases.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

IEC /T R62541-1 OPC Unified Architecture Part 1. Overview and Concepts
(OPCunifiedarchitecture-Part 1.

Overviewandconcepts)

IEC /T R62541-2 OPC Unified Architecture Part 2. Security Model
(OPCunifiedarchitecture-Part 2.

Securitymodel)

IEC 62541-3 OPC Unified Architecture Part 3. Addressing Model
(OPCunifiedarchitecture-Part 3.Ad-

dressspacemodel)

IEC 62541-4 OPC Unified Architecture Part 4. Services (OPCunifiedarchitecture-Part
4.Services)

IEC 62541-5 OPC Unified Architecture Part 5. Information Model
(OPCunifiedarchitecture-Part 5.

Informationmodel)

IEC 62541-6 OPC Unified Architecture Part 6. Map (OPCunifiedarchitecure-Part
6.Mappings)

IEC 62541-8 OPC Unified Architecture Part 8. OPCunifiedarchitecture-Part 8.Dataaccess

IEC 62541-9 OPC Unified Architecture Part 9. Alarms and Conditions
(OPCunifiedarchitecure-Part 9.Alarms

andconditions)

3.1 Terms and definitions

IEC /T R62541-1, IEC /T R62541-2, IEC 62541-3, IEC 62541-4, IEC 62541-6, IEC 62541-8

As well as the following terms and definitions apply to this document.