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

GB/T 33863.6-2017

OPC unified architecture -- Part 6: Mapping

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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 6.

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

This section uses the translation method identical with IEC 62541-6:2011 "OPC Unified Architecture Part 6. Mapping."

The documents of our country that are consistent with the corresponding international documents that are normative references in this section are as follows.

- GB/T 9387 (all parts) Information Technology Open Systems Interconnection Basic

Reference Model (ISO /IEC 7498 All the Department

Points, IDT)

--- GB/T 16263.1-2006 Information technology ASN.1 encoding rules Part 1 Basic encoding rules (BER), regular series

Code Rules (CER) and Atypical Code Rules (DER) Specification (ISO /IEC 8825-1.2002, IDT)

--- GB/T 16264.8-2005 Information technology - Open Systems Interconnection Directory Part 8. Public key and attribute certificate framework (ISO /IEC 9594-8.2001, IDT)

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 6. Mapping

1 Scope

This section GB/T 33863 specifies the security model described in GB/T 33863.2, GB/T 33863.4 described in the abstract service

Service definition, the data structure defined in ISO /IEC 15001 and the OPC unified shelf used to implement the OPCUA specification

Structure (OPCUA) mapping.

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.O-
verviewandconcepts)

IEC /T R62541-2 OPC Unified Architecture Part 2. Security Model
(OPCUnifiedarchitecture-Part 2.Secu-
ritymodel)

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 Architecture
(OPCUnifiedarchitecture-Part 5.Informa-
tionmodel)

IEC 62541-7 OPC Unified Architecture Part 7. Line Rules (OPCUnifiedarchitecture-Part
7.Profiles)

ITU-T Rec. H.290 Information technology ASN.1 coding rules Basic coding rules (BERs),
regular coding rules (CERs)

Code Rules (DER) Specification

[Informationtechnology-ASN.1encodingrules.SpecificationofBasicEncoding

Rules (BER), Canonical Encoding Rules (CER) andDistinguishedEncodingRules (DER)]

ITU-TX.200 Information Technology - Open Systems Interconnection Basic Reference
Model (Informationtechnology-OpenSystems

Interconnection-BasicReferenceModel)

ITU-TX.509 Information technology Open Systems Interconnection Directory Public key
and attribute certificate framework (Informationtechnology-

OpenSystemsInterconnection-TheDirectory.PublicKey and AttributeCertificateFrameworks)

XML Schema Part 1. Structure (Second Edition) [XMLSchemaPart 1.Structures
(SecondEdition)]

XML Schema Part 2. Data Types (Second Edition) [XMLSchemaPart 2.Datatypes (Second Edition)]

SOAPV1.2 Part 1. Message Framework (Second Edition) [SOAPVersion1.2Part 1.MessagingFramework (Second Edition)]

SOAPV1.2 Part 2. Accessories (Second Edition) [SOAPVersion1.2Part 2.Adjuncts (Second Edition)]

XML encryption syntax and processing (XMLEncryption.XMLEncryptionSyntaxandProcessing)

XML Signature .XML Signature Syntax and Processing (Second Edition) [XMLSignature.XML-SignatureSyntaxandProcessing (SecondEdition)]

WS Security. SOAP Message Security 1.1 (WSSecurity.SOAPMessageSecurity1.1)

WS Addressing .Web Service Addressing (WS Addressing) [WSAddressing.WebServicesAddressing (WS-Addressing)]