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**NATIONAL STANDARD OF THE
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GB/T 33863.3-2017

OPC unified architecture -- Part 3: Address space model

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Table of Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms, definitions, abbreviations and conventions

3.1 Terms and definitions

Foreword

GB/T 33863 "OPC Unified Architecture" consists of the following components.

- 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. Statute;
- 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 3.

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

This section uses the translation method identical with IEC 62541-3:2010 "OPC Unified Architecture Part 3. Address Space Model."

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 Comprehensive Technology and Economy Institute, Beijing three-dimensional control Technology Co., Ltd., Shanghai Automatic

Instrument Co., Ltd., Chongqing Chuan Yi Automation Co., Ltd., Southwest University, China Academy of Engineering Physics Power Department.

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 3. Address Space Model

1 Scope

This section GB/T 33863 describes the OPC Unified Architecture (OPCUA) address space and its objects. The content of this section is

OPCUA metamodel, which is the basis of the OPCUA information model.

This section is intended to guide the development of OPCUA client or server applications.

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.

ISO 639 (all parts) Language Code Name
(Codesfortherepresentationofnamesoflanguages)

ISO 3166 (all parts) World Countries and Regions Name Codes
(Codesfortherepresentationofnamesofcoun-
triesandtheirsdivisions)

ISO /IEC 10918-1 Information technology - Digital Coding and Coding of Continuous Tone Still Images - Part 1 - Requirements and Guidelines (In-
formationtechnology -Digitalcompressionandcodingofcontinuous-tonestilimages-Part 1.Re-

quirementsandguidelines)

Information technology - Computer Graphics Processing Portable Network Graphics (PNG).
Functional Specification [Information

technology-Computer graphics and image processing-Portable Network Graphics (PNG).
Functionalspecification]

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

Overviewandconcepts)

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. Mapping (OPCunifiedarchitecture-Part
6.Mappings)

IEC 62541-8 OPC Unified Architecture Part 8. Data Access (OPCunifiedarchitecture-Part
8.Dataac-

cess)

IEEE754-1985 IEEE binary floating-point arithmetic standard
(IEEEstandardforfloating-pointarithmetic), ht-

tp://ieeexplore.ieee.org/servlet/ipac?punumber=2355

IETF RFC3066 Tagsfortheidentificationoflanguages, http .// tools.ietf.org/

html/rfc3.66

3.1 Terms and definitions

IEC /T R62541-1 as defined by the following terms and definitions apply to this document.