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OPC unified architecture -- Part 4: Services

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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 4.

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

This section uses the translation method identical with IEC 62541-4:2011 "OPC Unified Architecture Part 4. Services."

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 4. Services

1 Scope

GB/T 33863 This part of the definition of OPC Unified Architecture (OPCUA) Services (Services). The service described is abstract

Collection of remote procedure calls (RPCs). The service is implemented by the OPCUA server and is called by the OPCUA client. OPCUA customer

All interactions between the terminal and the server are through these services. Since this section does not define a specific RPC implementation mechanism, so this

The partially defined service is abstract. IEC 62541-6 specifies one or more specific mappings for implementation. For example, IEC 62451-6

There is a mapping to the XMLWeb service. In this mapping, the services defined in this section act as Web services in a WSDL contract

Method appears.

Not all OPCUA servers need to implement all defined services. IEC 62541-7 defines the rules that are specified for AND

Specific rules compatible, which interface needs to be achieved.

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.

IEC /T R62541-1.2010 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.Secu-
ritymodel)

IEC 62541-3 OPC Unified Architecture Part 3. Addressunit Space Model
(OPCUnifiedarchitecture - Part 3.
Addressspacemodel)

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 62541-7 OPC Unified Architecture Part 7. Statute (OPCUnifiedarchitecture-Part
7.Profiles)

IEC 62541-8 OPC Unified Architecture Part 8. Data Access (OPCUnifiedarchitecture-Part
8.Dataac-
cess)

ISO /IEC 7498 (all parts) Information Processing Systems Open Systems Interconnection
Basic Reference Model
processingsystems-Opensystemsinterconnection-Basicreferencemodel)

3.1 Terms and definitions

IEC /T R62541-1, IEC /T R62541-2 and IEC 62541-3 and the following terms and
definitions apply to this document.