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Enotna arhitektura OPC - 3. del: Model naslovnega prostora

OPC unified architecture - Part 3: Address Space Model

OPC Unified Architecture - Teil 3: Adressraummodell

Architecture unifiée OPC - Partie 3: Modèle de l'Espace d'Adressage

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TITLE:

OPC unified architecture - Part 3: Address Space Model

PROPOSED STABILITY DATE: 2021

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

OPC UNIFIED ARCHITECTURE –

Part 3: Address Space model

FOREWORD

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IEC 62541-3 has been prepared by subcommittee 65E: Devices and integration in enterprise systems, of IEC technical committee 65: Industrial-process measurement, control and automation.

The text of this technical report is based on the following documents:

Enquiry draft	Report on voting
65E/XX/DTR	65E/XX/RVC

Full information on the voting for the approval of this technical report can be found in the report on voting indicated in the above table.

This third edition cancels and replaces the second edition of IEC 62541, published in 2015.

This edition includes the following significant technical changes with respect to the previous edition:

- 51 a) Added new improved approach for exposing structure definitions. An Attribute on the DataType
52 Node now simply contains a binary description.
- 53 b) Added new flags for Variables to indicate atomicity when reading or writing.
- 54 c) Added Roles and Permissions to allow configuration of a role-based authorization.
- 55 d) Added new data types: "Union", "Decimal", "OptionSet", "DateString", "TimeString",
56 "DurationString", NormalizedString, "DecimalString", and "AudioDataType".
- 57 e) Added definition on how to use the ModellingRules OptionalPlaceholder and
58 MandatoryPlaceholder for Methods.
- 59 f) Added optional Properties "MaxCharacters" and "MaxByteStringLength" to Variable Nodes.

60

61 This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

62 Throughout this document and the referenced other Parts of the series, certain document
63 conventions are used:

64 Italics are used to denote a defined term or definition that appears in the "Terms and definition"
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66 Italics are also used to denote the name of a service input or output parameter or the name of a
67 structure or element of a structure that are usually defined in tables.

68 The italicized terms and names are also often written in camel-case (the practice of writing
69 compound words or phrases in which the elements are joined without spaces, with each element's
70 initial letter capitalized within the compound). For example the defined term is AddressSpace instead
71 of Address Space. This makes it easier to understand that there is a single definition for
72 AddressSpace, not separate definitions for Address and Space.

73 A list of all parts of the IEC 62541 series, published under the general title *OPC Unified Architecture*,
74 can be found on the IEC website.

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- 78 • reconfirmed,
- 79 • withdrawn,
- 80 • replaced by a revised edition, or
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82

83 The National Committees are requested to note that for this publication the stability date is 2021.

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