

OPC unified architecture - Part 5: Information Model

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English Version

**OPC unified architecture - Part 5: Information Model
(IEC 62541-5:2015)**

Architecture unifiée OPC - Partie 5: Modèle d'informations
(IEC 62541-5:2015)

OPC Unified Architecture - Teil 5: Informationsmodell
(IEC 62541-5:2015)

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Foreword

The text of document 65E/376/CDV, future edition 2 of IEC 62541-5, prepared by SC 65E "Devices and integration in enterprise systems", of IEC/TC 65 "Industrial-process measurement, control and automation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62541-5:2015.

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- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-04-29

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Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC/TR 62541-1	-	OPC unified architecture - Part 1: Overview and concepts	CLC/TR 62541-1	-
IEC 62541-3	-	OPC unified architecture - Part 3: Address Space Model	EN 62541-3	-
IEC 62541-4	-	OPC Unified Architecture - Part 4: Services	EN 62541-4	-
IEC 62541-6	-	OPC unified architecture - Part 6: Mappings	EN 62541-6	-
IEC 62541-7	-	OPC unified architecture - Part 7: Profiles	EN 62541-7	-
IEC 62541-9	-	OPC unified architecture - Part 9: Alarms and conditions	EN 62541-9	-
IEC 62541-10	-	OPC Unified Architecture - Part 10: Programs	EN 62541-10	-
IEC 62541-11	-	OPC unified architecture - Part 11: Historical Access	EN 62541-11	-

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OPC UNIFIED ARCHITECTURE –

Part 5: Information Model

1 Scope

This part of IEC 62541 defines the Information Model of the OPC Unified Architecture. The Information Model describes standardised *Nodes* of a *Server's AddressSpace*. These *Nodes* are standardised types as well as standardised instances used for diagnostics or as entry points to server-specific *Nodes*. Thus, the Information Model defines the *AddressSpace* of an empty OPC UA *Server*. However, it is not expected that all *Servers* will provide all of these *Nodes*.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC TR 62541-1, *OPC Unified Architecture – Part 1: Overview and Concepts*

IEC 62541-3, *OPC unified architecture – Part 3: Address Space Model*

IEC 62541-4, *OPC unified architecture – Part 4: Services*

IEC 62541-6, *OPC unified architecture – Part 6: Mappings*

IEC 62541-7, *OPC unified architecture – Part 7: Profiles*

IEC 62541-9, *OPC unified architecture – Part 9: Alarms and conditions*

IEC 62541-10, *OPC unified architecture – Part 10: Programs*

IEC 62541-11, *OPC unified architecture – Part 11: Historical Access*

3 Terms, definitions and conventions

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC TR 62541-1 and IEC 62541-3, as well as the following apply.

3.1.1

ClientUserId

string that identifies the user of the client requesting an action

Note 1 to entry: The *ClientUserId* is obtained directly or indirectly from the *UserIdentityToken* passed by the *Client* in the *ActivateSession Service* call. See 6.4.3 for details.

3.2 Abbreviations and symbols

UA Unified Architecture