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**Enotna arhitektura OPC - 6. del: Preslikave (IEC 62541-6:2025)**

OPC unified architecture - Part 6: Mappings (IEC 62541-6:2025)

OPC Unified Architecture - Teil 6: Protokollabbildungen (IEC 62541-6:2025)

Architecture unifiée OPC - Partie 6: Mappings (IEC 62541-6:2025)

**Ta slovenski standard je istoveten z: EN IEC 62541-6:2026****ICS:**

25.040.40	Merjenje in krmiljenje industrijskih postopkov	Industrial process measurement and control
35.240.50	Uporabniške rešitve IT v industriji	IT applications in industry

**SIST EN IEC 62541-6:2026****en,fr,de**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
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**EN IEC 62541-6**

February 2026

ICS 25.040.40; 35.100.05

Supersedes EN IEC 62541-6:2020

English Version

## OPC unified architecture - Part 6: Mappings (IEC 62541-6:2025)

Architecture unifiée OPC - Partie 6: Mappings  
(IEC 62541-6:2025)

OPC Unified Architecture - Teil 6: Protokollabbildungen  
(IEC 62541-6:2025)

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Ref. No. EN IEC 62541-6:2026 E

## EN IEC 62541-6:2026 (E)

### European foreword

The text of document 65E/1063/CDV, future edition 4 of IEC 62541-6, 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 IEC 62541-6:2026.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2027-02-28 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2029-02-28 document have to be withdrawn

This document supersedes EN IEC 62541-6:2020 and all of its amendments and corrigenda (if any).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a standardization request addressed to CENELEC by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

### Endorsement notice

The text of the International Standard IEC 62541-6:2025 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 62541-21 NOTE Approved as EN IEC 62541-21 to be published

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where 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.cencenelec.eu](http://www.cencenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62541-1	-	OPC Unified Architecture - Part 1: Overview and concepts	EN IEC 62541-1	-
IEC 62541-2	-	OPC unified architecture - Part 2: Security model	EN IEC 62541-2 <sup>1</sup>	-
IEC 62541-3	-	OPC Unified Architecture - Part 3: Address Space Model	EN IEC 62541-3	-
IEC 62541-4	-	OPC unified architecture - Part 4: Services	EN IEC 62541-4	-
IEC 62541-5	-	OPC Unified architecture - Part 5: Information Model	EN IEC 62541-5	-
IEC 62541-7	-	OPC Unified Architecture - Part 7: Profiles	EN IEC 62541-7	-
IEC 62541-12	-	OPC Unified Architecture - Part 13: Aggregates	EN IEC 62541-12	-
IEC 62541-18	-	OPC unified architecture - Part 18: Role-Based Security	EN IEC 62541-18	-
ISO/IEC 60559, IEEE 754	-	Information technology - Microprocessor Systems - Floating-Point arithmetic	-	-
ISO 8601-1	-	Date and time - Representations for information interchange - Part 1: Basic rules	-	-
ISO/IEC 7498-1	-	Recommendation ITU-T X.200, Information technology - Open Systems Interconnection - Basic reference model: The basic model	-	-
ISO/IEC 8825-1	-	Recommendation ITU-T X.690, Information technology - ASN.1 encoding rules: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER)	-	-

<sup>1</sup> Under preparation. Stage at the time of publication: FprEN IEC 62541-2:2025.

**EN IEC 62541-6:2026 (E)**

ISO/IEC 9594-8	-	Recommendation ITU-T X.509, Information technology - Open systems interconnection – Part 8: The Directory: Public-key and attribute certificate frameworks	-	-
IETF RFC 2104	-	HMAC: Keyed-Hashing for Message Authentication	-	-
IETF RFC 2818	-	HTTP Over TLS	-	-
IETF RFC 3629	-	UTF-8, a transformation format of ISO 10646	-	-
IETF RFC 3986	-	Uniform Resource Identifier (URI): Generic Syntax	-	-
IETF RFC 4648	-	The Base16, Base32, and Base64 Data Encodings	-	-
IETF RFC 7230	-	Hypertext Transfer Protocol (HTTP/1.1): Message Syntax and Routing	-	-
IETF RFC 4514	-	Lightweight Directory Access Protocol (LDAP): String Representation of Distinguished Names	-	-
IETF RFC 5234	-	Augmented BNF for Syntax Specifications: ABNF	-	-
IETF RFC 5280	-	Internet X.509 Public Key Infrastructure Certificate and Certificate Revocation List (CRL) Profile	-	-
IETF RFC 5392	-	OSPF Extensions in Support of Inter-Autonomous System (AS) MPLS and GMPLS Traffic Engineering	-	-
IETF RFC 5869	-	HMAC-based Extract-and-Expand Key Derivation Function	-	-
IETF RFC 5905	-	Network Time Protocol Version 4: Protocol and Algorithms Specification	-	-
IETF RFC 6455	-	The WebSocket Protocol	-	-
IETF RFC 6749	-	The OAuth 2.0 Authorization Framework	-	-
IETF RFC 6750	-	The OAuth 2.0 Authorization Framework: Bearer Token Usage	-	-
IETF RFC 6960	-	X.509 - Internet Public Key Infrastructure Online Certificate Status Protocol - OCSP	-	-
IETF RFC 7292	-	PKCS #12: Personal Information Exchange Syntax v1.1	-	-
IETF RFC 7523	-	JSON Web Token (JWT) Profile for OAuth 2.0 Client Authentication and Authorization Grants	-	-
IETF RFC 8017	-	PKCS #1, RSA Cryptography Specifications Version 2.2	-	-
IETF RFC 8141	-	Uniform Resource Names (URNs)	-	-
IETF RFC 8259	-	The JavaScript Object Notation (JSON) Data Interchange Format	-	-

IETF RFC 8422	-	Elliptic Curve Cryptography (ECC) Cipher Suites for Transport Layer Security (TLS) Versions 1.2 and Earlier	-	-
IETF RFC 8446	-	The Transport Layer Security (TLS) Protocol Version 1.3	-	-
FIPS 180-4	-	Secure Hash Standard (SHS)	-	-
FIPS 197	-	Advanced Encryption Standard (AES)	-	-
SOAP Part 1	-	SOAP Version 1.2 Part 1: Messaging Framework	-	-
WS Addressing	-	Web Services Addressing (WS-Addressing)	-	-
XML Schema Part 2	-	XML Schema Part 2: Datatypes	-	-
OpenID-Core	-	OpenID Connect Core 1.0	-	-
OpenID-Discovery	-	OpenID Connect Discovery 1.0	-	-
SemVer	-	Semantic Versioning 2.0.0	-	-

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IEC 62541-6

Edition 4.0 2025-12

# INTERNATIONAL STANDARD

OPC unified architecture -  
Part 6: Mappings

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