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**Enotna arhitektura OPC - 7. del: Profili (IEC 62541-7:2025)**

OPC Unified Architecture - Part 7: Profiles (IEC 62541-7:2025)

OPC Unified Architecture - Teil 7: Profile (IEC 62541-7:2025)

Architecture unifiée OPC - Partie 7: Profils (IEC 62541-7:2025)

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**OPC Unified Architecture - Part 7: Profiles  
(IEC 62541-7:2025)**

Architecture unifiée OPC - Partie 7: Profils  
(IEC 62541-7:2025)

OPC Unified Architecture - Teil 7: Profile  
(IEC 62541-7:2025)

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## EN IEC 62541-7:2026 (E)

### European foreword

The text of document 65E/1184/FDIS, future edition 4 of IEC 62541-7, 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 62541-7:2026.

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- latest date by which the national standards conflicting with the (dow) 2029-02-28 document have to be withdrawn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 62541-7:2020 and all of its amendments and corrigenda (if any).

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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.

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The text of the International Standard IEC 62541-7:2025 was approved by CENELEC as a European Standard without any modification.

## 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 62541-6	-	OPC unified architecture - Part 6: Mappings	EN IEC 62541-6	-
IEC 62541-8	-	OPC unified architecture - Part 8: Data access	EN IEC 62541-8	-
IEC 62541-9	-	OPC Unified Architecture - Part 9: Alarms and Conditions	EN IEC 62541-9 <sup>2</sup>	-
IEC 62541-10	-	OPC Unified Architecture - Part 10: Programs	EN IEC 62541-10	-
IEC 62541-11	-	OPC Unified Architecture - Part 11: Historical Access	EN IEC 62541-11	-
IEC 62541-12	-	OPC unified architecture - Part 12: Discovery and global services	EN IEC 62541-12	-
IEC 62541-13	-	OPC Unified Architecture - Part 13: Aggregates	EN IEC 62541-13	-
IEC 62541-14	-	OPC unified architecture - Part 14: PubSub	EN IEC 62541-14 <sup>3</sup>	-
IEC 62541-15	-	OPC Unified Architecture - Part 15: Safety	EN IEC 62541-15	-

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

<sup>2</sup> Under preparation. Stage at the time of publication: prEN IEC 62541-9:2024.

<sup>3</sup> Under preparation. Stage at the time of publication: prEN IEC 62541-14:2024.

**EN IEC 62541-7:2026 (E)**

IEC 62541-16	-	OPC unified architecture - Part 16: State Machines	EN IEC 62541-16	-
IEC 62541-17	-	OPC unified architecture - Part 17: Alias Names	EN IEC 62541-17	-
IEC 62541-18	-	OPC unified architecture - Part 18: Role-Based Security	EN IEC 62541-18	-
IEC 62541-19	-	OPC unified architecture - Part 19: Dictionary Reference	EN IEC 62541-19	-
IEC 62541-20	-	OPC unified architecture - Part 20: File transfer	EN IEC 62541-20	-
IEC 62541-22	-	OPC unified architecture - Part 22: Base Network Model	EN IEC 62541-22	-
IEC 62541-24	-	OPC unified architecture - Part 24: Scheduler	EN IEC 62541-24	-
IEEE 802.1AS	2011	IEEE Standard for Local and Metropolitan Area Networks - Timing and Synchronization for Time-Sensitive Applications in Bridged Local Area Networks	-	-
IEEE 1588	2019	IEEE Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems	-	-
RFC 2104	-	HMAC: Keyed-Hashing for Message Authentication	-	-
RFC 3174	-	US Secure Hash Algorithm 1 (SHA1)	-	-
RFC 3686	-	Using Advanced Encryption Standard (AES) Counter Mode with IPsec Encapsulating Security Payload (ESP)	-	-
RFC 3447	-	Public-Key Cryptography Standards (PKCS) #1: RSA Cryptography	-	-
RFC 4634	-	US Secure Hash Algorithms (SHA and HMAC-SHA)	-	-
RFC 5869	-	HMAC-based Extract-and-Expand Key Derivation Function (HKDF)	-	-
RFC 6243	-	With-defaults Capability for NETCONF	-	-
RFC 8439	-	ChaCha20 and Poly1305 for IETF Protocols	-	-



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# INTERNATIONAL STANDARD

OPC Unified Architecture -  
Part 7: Profiles

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