

# TECHNICAL REPORT



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## OPC unified architecture – Part 2: Security Model



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## OPC unified architecture – Part 2: Security Model

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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ICS 25.040.40; 35.100.01

ISBN 978-2-8322-9077-4

**Warning! Make sure that you obtained this publication from an authorized distributor.**

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## OPC UNIFIED ARCHITECTURE –

## Part 2: Security Model

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IEC TR 62541-2, which is a technical report, has been prepared by subcommittee 65E: Devices and integration in enterprise systems, of IEC technical committee 65: Industrial-process measurement, control and automation.

This third edition cancels and replaces the second edition of IEC TR 62541-2, published in 2016. This edition constitutes a technical revision.

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

- a) protection-targets definition change;
- b) threat type clarifications;
- c) expanded best practices;

- d) added Websockets;
- e) added Pub/Sub.

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

Enquiry draft	Report on voting
65E/679/DTR	65E/703/RVDR

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

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

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Italics are also used to denote the name of a service input or output parameter or the name of a structure or element of a structure that are usually defined in tables.

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

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