

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**OPC unified architecture –  
Part 6: Mappings**

**Architecture unifiée OPC –  
Partie 6: Correspondances**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## OPC UNIFIED ARCHITECTURE –

## Part 6: Mappings

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International Standard IEC 62541-6 has been prepared by subcommittee 65E: Devices and integration in enterprise systems, of IEC technical committee 65: Industrial-process measurement, control and automation.

This second edition cancels and replaces the first edition published in 2011. This edition constitutes a technical revision.

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

- a) Some applications need to operation in environments with no access to cryptography libraries. To support this a new HTTPS transport has been defined in 7.3;
- b) The padding byte is not long enough to handle asymmetric key sizes larger than 2048 bits. Added an additional padding byte to 6.7.2 to handle this case.
- c) Fixed errors in SOAP action URIs defined in 7.2.2;

- d) Needed a standard way to serialize nodes in an address space. Added the UANodeSet schema defined in Annex F;

The text of this standard is based on the following documents:

CDV	Report on voting
65E/377/CDV	65E/405/RVC

Full information on the voting for the approval of this standard 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.

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