

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**OPC unified architecture –
Part 10: Programs**

**Architecture unifiée OPC –
Partie 10: Programmes**



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IEC Central Office
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
info@iec.ch
www.iec.ch

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IEC 62541-10

Edition 3.0 2020-07

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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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INTERNATIONALE

ICS 25.040.40; 35.100.05

ISBN 978-2-8322-8576-3

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OPC UNIFIED ARCHITECTURE –

Part 10: Programs

FOREWORD

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IEC 62541-10 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 published in 2015.

This edition includes several clarifications and in addition the following significant technical changes with respect to the previous edition:

- a) Changed ProgramType to ProgramStateMachineType. This is in line with the NodeSet (and thus implementations). In ProgramDiagnosticDataType: changed the definition of lastInputArguments and lastOutputArguments and added two additional fields for the argument values. Also changed StatusResult into StatusCode. Created new version of the type to ProgramDiagnostic2DataType.
- b) Changed Optional modelling rule to OptionalPlaceholder for Program control Methods. Following the clarification in IEC 62541-3, this now allows subtypes (or instances) to add arguments.

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

FDIS	Report on voting
65E/719/FDIS	65E/735/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

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The *italicized terms and names* are also, with a few exceptions, 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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