

IEC 62541-010 OPC Unified Architecture - Part 10: Programs

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Table 1: Data sheet for OPC Unified Architecture - Part 10: Programs

Title	OPC Unified Architecture - Part 10: Programs
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Note: The following is an excerpt from the official IEC catalog. It is provided here as a convenience and is not authoritative. Refer to the original document as the authoritative reference.

Abstract

IEC 62541-10:2020 defines the information model associated with Programs in the OPC Unified Architecture. This includes the description of the **NodeClasses**, standard Properties, Methods and Events and associated behaviour and information for Programs. The complete Address Space model including all **NodeClasses** and Attributes is specified in [IEC 62541-003 OPC Unified Architecture - Part 3: Address Space Model](#). The Services such as those used to invoke the Methods used to manage Programs are specified in [IEC 62541-004 OPC Unified Architecture - Part 4: Services](#). 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 62541-003 OPC Unified Architecture - Part 3: Address Space Model](#), this now allows subtypes (or instances) to add arguments.

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