

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

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Table 1: Data sheet for 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:

- 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.
- 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.

See also:

- [IEC 62541-001 OPC Unified Architecture - Part 1: Overview and concepts](#)
- [IEC 62541-002 OPC Unified Architecture - Part 2: Security Model](#)
- [IEC 62541-003 OPC Unified Architecture - Part 3: Address Space Model](#)

- [IEC 62541-004 OPC Unified Architecture - Part 4: Services](#)
- [IEC 62541-005 OPC Unified Architecture - Part 5: Information Model](#)
- [IEC 62541-006 OPC Unified Architecture - Part 6: Mappings](#)
- [IEC 62541-007 OPC Unified Architecture - Part 7: Profiles](#)
- [IEC 62541-008 OPC Unified Architecture - Part 8: Data Access](#)
- [IEC 62541-009 OPC Unified Architecture - Part 9: Alarms and Conditions](#)
- [IEC 62541-011 OPC Unified Architecture - Part 11: Historical Access](#)
- [IEC 62541-012 OPC Unified Architecture - Part 12: Discovery and global](#)
- [IEC 62541-013 OPC Unified Architecture - Part 13: Aggregates](#)
- [IEC 62541-014 OPC Unified Architecture - Part 14: PubSub](#)
- [IEC 62541-100 OPC Unified Architecture - Part 100: Device Interface](#)

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