

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Field device integration (FDI)[®] –
Part 151-1: Profiles – OPC UA**

**Intégration des appareils de terrain (FDI)[®] –
Partie 151-1: Profils – OPC UA**



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FIELD DEVICE INTEGRATION (FDI®) –

Part 151-1: Profiles – OPC UA

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The text of this International Standard is based on the following documents:

Draft	Report on voting
65E/853/CDV	65E/911/RVC

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

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FIELD DEVICE INTEGRATION (FDI®) –

Part 151-1: Profiles – OPC UA

1 Scope

This part of IEC 62769 defines the protocol-specific definitions (PSDs) as defined in IEC 62769-7 for the OPC UA protocol.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 61784-1, *Industrial communication networks – Profiles Part 1: Fieldbus profiles*

IEC 61804 (all parts), *Devices and integration in enterprise systems – Function blocks (FB) for process control and electronic device description language (EDDL)*

IEC 62541-4:2020, *OPC unified architecture – Part 4: Services*

IEC 62541-6:2020, *OPC Unified Architecture – Part 6: Mappings*

IEC 62541-12:2020, *OPC unified architecture – Part 12: Discovery and global services*

IEC 62541-100, *OPC unified architecture – Part 100: Device Interface*

IEC 62769-4, *Field device integration (FDI®) – Part 4: FDI® Packages*

IEC 62769-5, *Field device integration (FDI®) – Part 5: Information Model*

IEC 62769-7, *Field device integration (FDI®) – Part 7: Communication devices*

IEC 62769-100:2020, *Field device integration (FDI®) – Part 100: Profiles – Generic protocols*

3 Terms, definitions, abbreviated terms and acronyms

3.1 Terms and definitions

For the purposes of this document, the terms and definitions are given in IEC 61784-1, IEC 61804 (all parts), IEC 62541-4, IEC 62541-100, IEC 62769-4, IEC 62769-5, and IEC 62769-7 apply.

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