

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Field device Integration (FDI)<sup>®</sup> –  
Part 101-1: Profiles - Foundation Fieldbus H1**

**Intégration des appareils de terrain (FDI)<sup>®</sup> –  
Partie 101-1: Profils - Foundation Fieldbus H1**





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**Field device Integration (FDI)<sup>®</sup> –  
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**FIELD DEVICE INTEGRATION (FDI®) –****Part 101-1: Profiles – Foundation Fieldbus H1**

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IEC 62769-101-1 has been prepared by subcommittee 65E: Devices and integration in enterprise systems, of IEC technical committee 65: Industrial-process measurement, control and automation. It is an International Standard.

This third edition cancels and replaces the second edition published in 2020. This edition constitutes a technical revision.

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

- a) updated Transfer service;
- b) added OPERATION “GETOD” and “GETDEVICETYPEINFO”;
- c) added DeviceTag and Block\_Index to FoundationIdentificationT and Target;
- d) removed arguments “BlockTag” and “ServiceId”;
- e) changed content type of CFF file to application/vnd.ff.cff.

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

Draft	Report on voting
65E/860/CDV	65E/917/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](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/standardsdev/publications](http://www.iec.ch/standardsdev/publications).

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The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

## FIELD DEVICE INTEGRATION (FDI®) –

### Part 101-1: Profiles – Foundation Fieldbus H1

#### 1 Scope

This part of IEC 62769 specifies an FDI®<sup>1</sup> profile of IEC 62769 for IEC 61784-1\_CP 1/1 (FOUNDATION™ Fieldbus H1)<sup>2</sup>.

#### 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 61158-5-9:2014, *Industrial communication networks – Fieldbus specifications – Part 5-9: Application layer service definition – Type 9 elements*

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

IEC 61784-2, *Industrial communication networks – Profiles – Part 2: Additional fieldbus profiles for real-time networks based on ISO/IEC 8802-3*

IEC 61784-3:2021, *Industrial communication networks – Profiles – Part 3: Functional safety fieldbuses – General rules and profile definitions*

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

IEC 62541-100:–2015, *OPC unified architecture – Part 100: Device Interface*

IEC 62769-2, *Field device integration (FDI®) – Part 2: Client*

IEC 62769-3, *Field device integration (FDI®) – Part 3: Server*

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

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

IEC 62769-6, *Field device integration (FDI®) – Part 6: Technology Mapping*

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