

Field device integration (FDI®) - Part 109-1: Profiles -
HART® and WirelessHART®

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

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and WirelessHART®
(IEC 62769-109-1:2023)

Intégration des appareils de terrain (FDI)® - Partie 109-1:
Profils - HART® et WirelessHART®
(IEC 62769-109-1:2023)

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(IEC 62769-109-1:2023)

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European foreword

The text of document 65E/864/CDE, future edition 3 of IEC 62769-109-1, prepared by SC 65E "Devices and integration in enterprise systems" of IEC/TC 65 "Industrial-process measurement, control and automation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62769-109-1:2023.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2024-02-23
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IEC 61784-1	NOTE Approved as EN IEC 61784-1
IEC 61784-2	NOTE Approved as EN IEC 61784-2
IEC 61804 (series)	NOTE Approved as EN IEC 61804 (series)
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IEC 62769-1	NOTE Approved as EN IEC 62769-1
IEC 62769-2	NOTE Approved as EN IEC 62769-2
IEC 62769-6	NOTE Approved as EN IEC 62769-6
IEC 62769-8	NOTE Approved as EN IEC 62769-8

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Field device integration (FDI)[®] –
Part 109-1: Profiles – HART[®] and WirelessHART[®]**

**Intégration des appareils de terrain (FDI)[®] –
Partie 109-1: Profils – HART[®] et WirelessHART[®]**



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IEC Secretariat
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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INTERNATIONAL STANDARD

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**Field device integration (FDI)[®] –
Part 109-1: Profiles – HART[®] and WirelessHART[®]**

**Intégration des appareils de terrain (FDI)[®] –
Partie 109-1: Profils – HART[®] et WirelessHART[®]**

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FIELD DEVICE INTEGRATION (FDI®) –

Part 109-1: Profiles – HART® and WirelessHART®

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IEC 62769-109-1 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) added content type for DeviceInfo files;
- b) added mapping from HART standard parameters to PA DIM;

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

Draft	Report on voting
65E/864/CDV	65E/921/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.

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FIELD DEVICE INTEGRATION (FDI®) –

Part 109-1: Profiles – HART® and WirelessHART®

1 Scope

This part of IEC 62769 specifies an FDI¹ profile of IEC 62769 for IEC 61784-1_CP 9/1 (HART²) and IEC 61784-1_CP 9/2 (WirelessHART³).

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 62541-100, *OPC Unified Architecture Specification – Part 100: OPC 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*

3 Terms, definitions, abbreviated terms and acronyms

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 62541-100, IEC 62769-4, IEC 62769-5 and IEC 62769-7 apply.

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