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Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 11/15

Obsahuje: EN 62769-109-1:2015, IEC 62769-109-1:2015

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EUROPEAN STANDARD

EN 62769-109-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2015

ICS 25.040.40; 35.100

English Version

**Field Device Integration (FDI) - Part 109-1: Profiles - HART(r)
and WirelessHART(r)
(IEC 62769-109-1:2015)**

Intégration des appareils de terrain (FDI) - Partie 109-1:
Profils - HART(r) et WirelessHART(r)
(IEC 62769-109-1:2015)

Feldgeräteintegration (FDI) - Profile - Teil 109-1: HART(r)
und WirelessHART(r)
(IEC 62769-109-1:2015)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

The text of document 65E/356/CDV, future edition 1 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 62769-109-1:2015.

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) 2016-03-23
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-06-23

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In the official version, for Bibliography, the following notes have to be added for the standards indicated :

IEC 61784-1	NOTE	Harmonized as EN 61784-1.
IEC 61784-2	NOTE	Harmonized as EN 61784-2.
IEC 61804 (series)	NOTE	Harmonized as EN 61804 (series).
IEC 62769-1	NOTE	Harmonized as EN 62769-1.
IEC 62769-2	NOTE	Harmonized as EN 62769-2.
IEC 62769-3	NOTE	Harmonized as EN 62769-3 ¹⁾
IEC 62769-6	NOTE	Harmonized as EN 62769-6.

1) To be published.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62541-100	-	OPC unified architecture - Part 100: Device Interface	EN 62541-100	-
IEC 62769-4	2015	Field Device Integration (FDI) - Part 4: FDI-Packages		-
IEC 62769-5	-	Field Device Integration (FDI) - Part 5: FDI-Information Model		-
IEC 62769-7	-	Field Device Integration (FDI) - Part 7: FDI-Communication Devices		-



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 Central Office
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
Fax: +41 22 919 03 00
info@iec.ch
www.iec.ch

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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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FIELD DEVICE INTEGRATION (FDI) –

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

FOREWORD

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International Standard 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.

The text of this standard is based on the following documents:

CDV	Report on voting
65E/356/CDV	65E/419/RVC

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 62769 series, published under the general title *Field Device Integration (FDI)*, can be found on the IEC website.

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INTRODUCTION

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- b) method and device for accessing a functional module of automation system, see Patent Family EP2182418;
- c) methods and apparatus to reduce memory requirements for process control system software applications, see Patent Family US2013232186;
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FIELD DEVICE INTEGRATION (FDI) –

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

1 Scope

This part of IEC 62769 specifies an FDI profile of IEC 62769 for IEC 61784-1_CP 9/1 (HART®)¹ and IEC 61784-1_CP 9/2 (WirelessHART®)¹.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 – Part 100: Device Interface*

IEC 62769-4:2015, *Field Device Integration (FDI) – Part 4: FDI Packages*

NOTE IEC 62769-4 is technically identical to FDI-2024.

IEC 62769-5, *Field Device Integration (FDI) – Part 5: FDI Information Model*

NOTE IEC 62769-5 is technically identical to FDI-2025.

IEC 62769-7, *Field Device Integration (FDI) – Part 7: Communication Devices*

NOTE IEC 62769-7 is technically identical to FDI-2027.

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

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