

Field device Integration (FDI) - Part 101-1: Profiles -  
Foundation Fieldbus H1

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## EESTI STANDARDI EESSÕNA

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ICS 25.040.40, 35.100.05

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EUROPEAN STANDARD

**EN IEC 62769-101-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2021

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Supersedes EN 62769-101-1:2015 and all of its amendments and corrigenda (if any)

English Version

**Field device Integration (FDI) - Part 101-1: Profiles - Foundation  
Fieldbus H1  
(IEC 62769-101-1:2020)**

Intégration des appareils de terrain (FDI) - Partie 101-1:  
Profils - Foundation Fieldbus H1  
(IEC 62769-101-1:2020)

Feldgeräteintegration (FDI) - Teil 101-1: Profile -  
Foundation Fieldbus H1  
(IEC 62769-101-1:2020)

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European Committee for Electrotechnical Standardization  
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## European foreword

The text of document 65E/620/CDV, future edition 2 of IEC 62769-101-1, 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 62769-101-1:2021.

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) 2021-09-24
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-12-24

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IEC 62769-3 NOTE Harmonized as EN 62769-3

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where 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](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61158-5-9	2014	Industrial communication networks - Fieldbus specifications - Part 5-9: Application layer service definition - Type 9 elements	EN 61158-5-9	2014
IEC 61784-1	-	Industrial communication networks - Profiles Part 1: Fieldbus profiles	EN IEC 61784-1	-
IEC 61784-2	-	Industrial communication networks - Profiles - Part 2: Additional fieldbus profiles for real-time networks based on ISO/IEC/IEEE 8802-3	EN IEC 61784-2	-
IEC 61784-3	2016	Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses - General rules and profile definitions	EN 61784-3	2016
IEC 61804	series	Devices and integration in enterprise systems - Function blocks (FB) for process control and electronic device description language (EDDL)	EN IEC 61804	series
IEC 62541-6	-	OPC Unified Architecture - Part 6: Mappings	EN IEC 62541-6	-
IEC 62541-100	2015	OPC Unified Architecture - Part 100: Device Interface	EN 62541-100	2015
IEC 62769-1	-	Field device integration (FDI) - Part 1: Overview	EN 62769-1	-
IEC 62769-2	-	Field Device Integration (FDI) - Part 2: FDI Client	EN 62769-2	-

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62769-4	-	Field Device Integration (FDI) - Part 4: FDI Packages	EN 62769-4	-
IEC 62769-5	-	Field Device Integration (FDI) - Part 5: FDI Information Model	EN 62769-5	-
IEC 62769-6	-	Field Device Integration (FDI) - Part 6: FDI Technology Mapping	EN 62769-6	-
IEC 62769-7	-	Field Device Integration (FDI) - Part 7: FDI Communication Devices	EN 62769-7	-

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

**Field device integration (FDI) –  
Part 101-1: Profiles – Foundation Fieldbus H1**

**Intégration des appareils de terrain (FDI) –  
Partie 101-1: Profils – Foundation Fieldbus H1**



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

Tel.: +41 22 919 02 11  
[info@iec.ch](mailto:info@iec.ch)  
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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

**Field device integration (FDI) –  
Part 101-1: Profiles – Foundation Fieldbus H1**

**Intégration des appareils de terrain (FDI) –  
Partie 101-1: Profils – Foundation Fieldbus H1**

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## FIELD DEVICE INTEGRATION (FDI) –

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

#### FOREWORD

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This second edition cancels and replaces the first edition published in 2015. This edition constitutes a technical revision.

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

- a) support for generic protocol extension for faster adoption of other technologies;
- b) support for Package developers to build EDDs targeted for today's EDD bases system under a single development tool.