BS EN 62769-101-2:2015

BSI Standards Publication

Field Device Integration (FDI)

Part 101-2: Profiles — Foundation Fieldbus HSE

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The UK participation in its preparation was entrusted to Technical Committee AMT/7, Industrial communications: process measurement and control, including fieldbus.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Published by BSI Standards Limited 2015

ISBN 978 0 580 82582 8
ICS 25.040.40; 35.100

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 July 2015.

Amendments/corrigenda issued since publication

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 62769-101-2

July 2015

ICS 25.040.40; 35.100

English Version

Field Device Integration (FDI) - Part 101-2: Profiles - Foundation Fieldbus HSE (IEC 62769-101-2:2015)

Intégration des appareils de terrain (FDI) - Partie 101-2: Profils - Foundation Fieldbus HSE (IEC 62769-101-2:2015)

Feldgeräteintegration (FDI) - Profile - Teil 101-2: Foundation Fieldbus HSE (IEC 62769-101-2:2015)

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Foreword

The text of document 65E/353/CDV, future edition 1 of IEC 62769-101-2, 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 62769-101-2:2015.

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- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-06-23

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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.

Publication	Year	Title	EN/HD	Year
IEC 61784-1	-	Industrial communication networks Profiles -- Part 1: Fieldbus profiles	-EN 61784-1	-
IEC 61784-2	-	Industrial communication networks Profiles - Part 2: Additional fieldbus profiles for real-time networks based on ISO/IEC 8802-3	-EN 61784-2	-
IEC 61804	series	Function Blocks (FB) for process control	EN 61804	series
IEC 62541-100	2015	OPC unified architecture - Part 100: Device Interface	EN 62541-100	2015
IEC 62769-2	-	Field Device Integration (FDI) - Part 2: FDI-Client		-
IEC 62769-3	-	Field Device Integration (FDI) - Part 3: FDI-Server		-
IEC 62769-4	-	Field Device Integration (FDI) - Part 4: FDI-Packages		-
IEC 62769-5	-	Field Device Integration (FDI) - Part 5: FDI-Information Model		-
IEC 62769-6	-	Field Device Integration (FDI) - Part 6: FDI-Technology Mapping		-
IEC 62769-7	-	Field Device Integration (FDI) - Part 7: FDI-Communication Devices		-
IEC 62769-101-1	-	Field Device Integration (FDI) - Part 101-1:-Profiles - Foundation Fieldbus H1		-

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FIELD DEVICE INTEGRATION (FDI) –

Part 101-2: Profiles – Foundation Fieldbus HSE

FOREWORD

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International Standard IEC 62769-101-2 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/353/CDV	65E/416/RVD

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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- reconfirmed,
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INTRODUCTION

The International Electrotechnical Commission (IEC) draws attention to the fact that it is claimed that compliance with this document may involve the use of patents concerning

a) Method for the Supplying and Installation of Device-Specific Functionalities, see Patent Family DE10357276;

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 ;

d) Extensible Device Object Model, see Patent Family US12/893,680.

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FIELD DEVICE INTEGRATION (FDI) –

Part 101-2: Profiles – Foundation Fieldbus HSE

1 Scope

This part of IEC 62769 specifies the IEC 62769 profile for IEC 61784-1, CP 1/2 (FOUNDATION™ Fieldbus HSE)[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 61784-1, *Industrial communication networks - Profiles - 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 61804 (all parts), *Function blocks (FB) for process control*

IEC 62541-100:2015, *OPC Unified Architecture – Part 100: Device interface*

IEC 62769-2, *Field Device Integration (FDI) – Part 2: FDI Client*

NOTE IEC 62769-2 is technically identical to FDI-2022.

IEC 62769-3, *Field Device Integration (FDI) – Part 3: FDI Server*

NOTE IEC 62769-3 is technically identical to FDI-2023.

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

NOTE IEC 62769-4 is technical identically to FDI-2024.

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

NOTE IEC 62769-5 is technical identically to FDI-2025.

IEC 62769-6, *Field Device Integration (FDI) – Part 6: FDI Technology Mapping*

NOTE IEC 62769-6 is technical identically to FDI-2026.

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

NOTE IEC 62769-7 is technical identically to FDI-2027.

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