BS EN IEC 62769-150-1:2021

BSI Standards Publication

Field device integration (FDI)

Part 150-1: Profiles — ISA100 WIRELESS

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National foreword

This British Standard is the UK implementation of EN IEC 62769-150-1:2021. It is identical to IEC 62769-150-1:2021.

The UK participation in its preparation was entrusted to Technical Committee GEL/65/3, Industrial communications: process measurement and control, including fieldbus.

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

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EUROPEAN STANDARD

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EN IEC 62769-150-1

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ICS 35.100.05; 25.040.40; 35.240.50

English Version

Field device integration (FDI) - Part 150-1: Profiles - ISA100 WIRELESS (IEC 62769-150-1:2021)

Intégration des appareils de terrain (FDI) - Partie 150-1: Profils - ISA100 WIRELESS (IEC 62769-150-1:2021)

Feldgeräteintegration (FDI) - Teil 150-1: Profile - ISA100 WIRELESS (IEC 62769-150-1:2021)

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European foreword

The text of document 65E/765/FDIS, future edition 1 of IEC 62769-150-1, 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 62769-150-1:2021.

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) 2021-12-11
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024-03-11

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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.

Publication	Year	Title	EN/HD	Year
IEC 62734	2014	Industrial networks - Wireless communication network and communication profiles - ISA 100.11a	EN 62734	2015
IEC 61804	series	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 62769-2	-	Field Device Integration (FDI) - Part 2: FDI Client	EN 62769-2	-
IEC 62769-4	-	Field Device Integration (FDI) - Part 4: FDI Packages	EN 62769-4	-
IEC 62769-5	-	Field Device Integration (FDI) - Part 5: Information Model	EN 62769-5	-
IEC 62769-6	-	Field Device Integration (FDI) - Part 6: Technology Mapping	EN 62769-6	-
IEC 62769-7	-	Field Device Integration (FDI) - Part 7: FDI Communication Devices	EN 62769-7	-

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FIELD DEVICE INTEGRATION (FDI) –

Part 150-1: Profiles – ISA100 WIRELESS

FOREWORD

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International Standard IEC 62769-150-1 has been prepared by subcommittee 65E: Devices and integration in enterprise systems, of IEC technical committee 65: Industrial-process measurement, control and automation.

This document is based on FCG_TS62769-150-1_Profiles – ISA100_1.1.0.3, a specification of the FieldComm Group, PROFIBUS Nutzerorganisation e. V., OPC Foundation and FDT Group.

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

FDIS	Report on voting
65E/765/FDIS	65E/775/RVD

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

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

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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.

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,
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FIELD DEVICE INTEGRATION (FDI) –

Part 150-1: Profiles – ISA100 WIRELESS

1 Scope

This part of IEC 62769 specifies an FDI profile for IEC 62734 (ISA100 WIRELESS)[1].

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 62734:2014, *Industrial networks – Wireless communication network and communication profiles – ISA 100.11a*

IEC 61804 (all parts), *Function blocks (FB) for process control and electronic device description language (EDDL)*

IEC 62541-6, *OPC Unified Architecture – Part 6: Mappings*

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

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

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*

3 Terms, definitions, abbreviated terms and acronyms

3.1 Terms and definitions

No terms and definitions are listed in this document.

For the purposes of this document, the terms and definitions given in IEC 62734, IEC 61804 (all parts), IEC 62541-100, IEC 62769-4, IEC 62769-5, and IEC 62769-7 and the following apply.

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[1] ISA100 WIRELESS™ is a trade name of the non-profit consortium Wireless Compliance Institute. This information is given for the convenience of users of this document and does not constitute an endorsement by IEC of the trademark holder or any of its products. Compliance does not require use of the trade name. Use of the trade name requires permission of the trade name holder.

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