



SLOVENSKI STANDARD SIST EN IEC 62769-1:2021

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Nadomešča:
SIST EN 62769-1:2015

Integracija procesne naprave (FDI) - 1. del: Pregled (IEC 62769-1:2021)

Field device integration (FDI) - Part 1: Overview (IEC 62769-1:2021)

Feldgeräteintegration (FDI) - Teil 1: Überblick (IEC 62769-1:2021)

Intégration des appareils de terrain (FDI) - Partie 1: Vue d'ensemble (IEC 62769-1:2021)

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ICS:

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35.240.50	Uporabniške rešitve IT v industriji	IT applications in industry

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EUROPEAN STANDARD

EN IEC 62769-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2021

ICS 35.100; 25.040.40; 35.100.05

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

English Version

**Field Device Integration (FDI) - Part 1: Overview
(IEC 62769-1:2021)**Intégration des appareils de terrain (FDI) - Partie 1: Vue
d'ensemble
(IEC 62769-1:2021)Feldgeräteintegration (FDI) - Teil 1: Überblick
(IEC 62769-1:2021)

This European Standard was approved by CENELEC on 2021-03-12. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 62769-1:2021 (E)**European foreword**

The text of document 65E/758(F)/FDIS, future edition 2 of IEC 62769-1, 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 62769-1:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2021-12-12 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2024-03-12 document have to be withdrawn

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IEC 61804-3	NOTE Harmonized as EN IEC 61804-3
IEC 61804-4	NOTE Harmonized as EN IEC 61804-4
IEC 61804-5	NOTE Harmonized as EN IEC 61804-5
IEC 62443 series	NOTE Harmonized as EN IEC 62443 series
IEC 62453 series	NOTE Harmonized as EN 62453 series
IEC 62541 series	NOTE Harmonized as EN IEC 62541 series
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IEC 62769-4	NOTE Harmonized as EN 62769-4
IEC 62769-5	NOTE Harmonized as EN 62769-5
IEC 62769-6	NOTE Harmonized as EN 62769-6
IEC 62769-7	NOTE Harmonized as EN 62769-7

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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC/TR 62541-1	-	OPC Unified Architecture - Part 1: Overview and concepts	CLC/TR 62541-1	-
IEC 62541-3	-	OPC Unified Architecture - Part 3: Address Space Model	EN IEC 62541-3	-
IEC 62541-4	-	OPC Unified Architecture - Part 4: Services	EN IEC 62541-4	-
IEC 62541-5	-	OPC Unified Architecture - Part 5: Information Model	EN IEC 62541-5	-
IEC 62541-100	-	OPC Unified Architecture - Part 100: Device Interface	EN 62541-100	-

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IEC 62769-1

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INTERNATIONAL STANDARD

NORME INTERNATIONALE



Field device integration (FDI) –
Part 1: Overview

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Intégration des appareils de terrain (FDI) –
Partie 1: Vue d'ensemble

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIELD DEVICE INTEGRATION (FDI) –**Part 1: Overview****FOREWORD**

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

This 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) digital signature now include trusted timestamping for long term validation of FDI Package;
- c) support of new protocols.

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

FDIS	Report on voting
65E/758/FDIS	65E/768/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.

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,
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INTRODUCTION

The IEC 62769 series has the general title *Field Device Integration (FDI)* and the following parts:

- Part 1: Overview
- Part 2: FDI Client
- Part 3: FDI Server
- Part 4: FDI Packages
- Part 5: FDI Information Model
- Part 6: FDI Technology Mapping
- Part 7: FDI Communication Devices
- Part 100: Profiles – Generic Protocol Extensions
- Part 101-1: Profiles – Foundation Fieldbus H1
- Part 101-2: Profiles – Foundation Fieldbus HSE
- Part 103-1: Profiles – PROFIBUS
- Part 103-4: Profiles – PROFINET
- Part 109-1: Profiles – HART and WirelessHART
- Part 115-2: Profiles – Protocol-specific Definitions for Modbus RTU
- Part 150-1: Profiles – ISA 100.11a

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