



SLOVENSKI STANDARD

SIST EN 62769-1:2015

01-oktober-2015

**Naprave in integracija v proizvodnih sistemih; integracija procesne naprave - 1.
del: Pregled (IEC 62769-1:2015)**

Devices and integration in enterprise systems; Field Device Integration - Part 1:
Overview (IEC 62769-1:2015)

Feldgeräteintegration (FDI) - Teil 1: Überblick (IEC 62769-1:2015)

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Intégration des appareils de terrain (FDI) - Partie 1: Vue d'ensemble (IEC 62769-1:2015)

Ta slovenski standard je istoveten z: EN 62769-1:2015

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| 25.040.40 | Merjenje in krmiljenje industrijskih postopkov | Industrial process measurement and control |
| 35.240.50 | Uporabniške rešitve IT v industriji | IT applications in industry |

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EUROPEAN STANDARD

EN 62769-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2015

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English Version

Field device integration (FDI) - Part 1: Overview (IEC 62769-1:2015)

Intégration des appareils de terrain (FDI) - Partie 1: Vue
d'ensemble
(IEC 62769-1:2015)

Feldgeräteintegration (FDI) - Teil 1: Überblick
(IEC 62769-1:2015)

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European Committee for Electrotechnical Standardization
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Europäisches Komitee für Elektrotechnische Normung

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

EN 62769-1:2015**European foreword**

The text of document 65E/337/CDV, future edition 1 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 62769-1:2015.

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) 2016-03-16
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-06-16

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

IEC 61804-3 NOTE Harmonized as EN 61804-3.

IEC/TR 61804-4 NOTE Harmonized as CLC/TR 61804-4.

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.

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 61804 | series | Function Blocks (FB) for process control | EN 61804 | series |
| IEC 62453 | series | Field device tool (FDT) interface specification | EN 62453 | series |
| IEC 62541-3 | - | OPC unified architecture - Part 3: Address Space Model | EN 62541-3 | - |
| IEC 62541-4 | - | OPC Unified Architecture - Part 4: Services | EN 62541-4 | - |
| IEC 62541-5 | - | OPC unified architecture - Part 5: Information Model | EN 62541-5 | - |
| IEC 62541 | series | OPC Unified Architecture | EN 62541 | series |
| IEC 62541-100 | - | OPC unified architecture - Part 100: Device Interface | EN 62541-100 | - |
| IEC 62769-2 | - | Devices and integration in enterprise systems; Field Device Integration - Part 2: FDI Client | - | - |
| IEC 62769-3 | - | Devices and integration in enterprise systems; Field Device Integration - Part 3: FDI Server | - | - |
| IEC 62769-4 | 2015 | Devices and integration in enterprise systems; Field Device Integration - Part 4: FDI Packages | - | - |
| IEC 62769-5 | - | Devices and integration in enterprise systems; Field Device Integration - Part 5: FDI Information Model | - | - |
| IEC 62769-6 | 2015 | Devices and integration in enterprise systems; Field Device Integration - Part 6: Technology Mapping | - | - |
| IEC 62769-7 | 2015 | Devices and integration in enterprise systems; Field Device Integration - Part 7: Communication Devices | - | - |
| IEC/TR 62541-1 | - | OPC unified architecture - Part 1: Overview and concepts | CLC/TR 62541-1 | - |
| ISO/IEC 11578 | - | Information technology - Open Systems Interconnection - Remote Procedure Call (RPC) | - | - |

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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.

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

| | |
|-------------|------------------|
| CDV | Report on voting |
| 65E/337/CDV | 65E/421/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.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
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INTRODUCTION

The IEC 62657 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 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

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

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- 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;
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