ICS 25.040.40, 35.100.05 SLOVENSKÁ TECHNICKÁ NORMA Júl 2021

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|---|---|---|
| STN | **Integrácia softvérového nástroja (FDI)**<br>**Časť 6: Technologické mapovanie** | **STN**<br>**EN IEC 62769-6**<br><br>18 4012 |

Field Device Integration (FDI) - Part 6: Technology Mapping

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/21

Obsahuje: EN IEC 62769-6:2021, IEC 62769-6:2021

Oznámením tejto normy sa od 12.03.2024 ruší
STN EN 62769-6 (18 4012) z decembra 2015

**132879**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

**EN IEC 62769-6**

March 2021

ICS 25.040.40; 35.100.05

Supersedes EN 62769-6:2015 and all of its amendments and corrigenda (if any)

English Version

# Field Device Integration (FDI) - Part 6: Technology Mapping (IEC 62769-6:2021)

Intégration des appareils de terrain (FDI) - Partie 6: Mapping de technologies (IEC 62769-6:2021)

Feldgeräteintegration (FDI) - Teil 6: FDI-Technologieabbildungen (IEC 62769-6:2021)

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Ref. No. EN IEC 62769-6:2021 E

# European foreword

The text of document 65E/763(F)/FDIS, future edition 2 of IEC 62769-6, 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 62769-6:2021.

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| • latest date by which the national standards conflicting with the document have to be withdrawn | (dow) | 2024-03-12 |

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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 61804 | series | Function blocks (FB) for process control and electronic device description language (EDDL) | EN IEC 61804 | series |
| IEC 62541 | series | OPC Unified Architecture | EN IEC 62541 | series |
| IEC 62769-1 | - | Field Device Integration (FDI) - Part 1: Overview | EN IEC 62769-1 | - |
| IEC 62769-2 | - | Field Device Integration (FDI) - Part 2: FDI Client | EN IEC 62769-2 | - |
| IEC 62769-4 | - | Field Device Integration (FDI) - Part 4: FDI Packages | EN IEC 62769-4 | - |
| ISO/IEC 19505-1 | - | Information technology - Object-Management Group Unified Modeling Language (OMG UML) – Part 1: Infrastructure | | - |
| ISO/IEC 29500 | series | Information technology - Document-description and processing languages - Office Open XML File Formats | | - |

# IEC 62769-6

Edition 2.0 2021-02

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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## Field device integration (FDI) –
## Part 6: Technology Mapping

## Intégration des appareils de terrain (FDI) –
## Partie 6: Mapping de technologies

IEC 62769-6:2021-02(en-fr)

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

Tel.: +41 22 919 02 11
info@iec.ch
www.iec.ch

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# IEC 62769-6

Edition 2.0 2021-02

# INTERNATIONAL STANDARD

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## Field device integration (FDI) –
## Part 6: Technology Mapping

## Intégration des appareils de terrain (FDI) –
## Partie 6: Mapping de technologies

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

# FIELD DEVICE INTEGRATION (FDI) –

## Part 6: Technology Mapping

## FOREWORD

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International Standard IEC 62769-6 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) redesign of the security concept for UIP execution.

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

| FDIS | Report on voting |
|---|---|
| 65E/763/FDIS | 65E/773/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,
- withdrawn,
- replaced by a revised edition, or
- amended.

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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

# FIELD DEVICE INTEGRATION (FDI) –

# Part 6: Technology Mapping

## 1 Scope

This part of IEC 62769 specifies the technology mapping for the concepts described in the Field Device Integration (FDI) standard. The technology mapping focuses on implementation regarding the components FDI Client and User Interface Plug-in (UIP) that are specific only to the WORKSTATION platform/.NET as defined in IEC 62769-4.

## 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 61804 (all parts), *Function blocks (FB) for process control and Electronic Device Description Language (EDDL)*

IEC 62769-1, *Field Device Integration (FDI) – Part 1: Overview*

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

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

IEC 62541 (all parts), *OPC Unified Architecture*

ISO/IEC 19505-1, *Information technology – Object Management Group Unified Modeling Language (OMG UML) – Part 1: Infrastructure*

ISO/IEC 29500, (all parts) *Information technology – Document description and processing languages – Office Open XML File Formats*