

STN	Integrácia softvérového nástroja (FDI) Časť 2: Klient FDI	STN EN IEC 62769-2 18 4012
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Field Device Integration (FDI) - Part 2: FDI Client

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 62769-2:2021, IEC 62769-2:2021

Oznámením tejto normy sa od 12.03.2024 ruší
STN EN 62769-2 (18 4012) z decembra 2015

132863

EUROPEAN STANDARD

EN IEC 62769-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2021

ICS 25.040.40; 35.100.05

Supersedes EN 62769-2:2015 and all of its amendments
and corrigenda (if any)

English Version

**Field Device Integration (FDI) - Part 2: FDI Client
(IEC 62769-2:2021)**Intégration des appareils de terrain (FDI) - Partie 2: Client
FDI
(IEC 62769-2:2021)Feldgeräteintegration (FDI) - Teil 2: FDI-Client
(IEC 62769-2:2021)

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EN IEC 62769-2:2021 (E)**European foreword**

The text of document 65E/759/FDIS, future edition 2 of IEC 62769-2, 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 IEC 62769-2:2021.

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- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024-03-12

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

IEC 61804-3	NOTE	Harmonized as EN IEC 61804-3
IEC 61804-4	NOTE	Harmonized as EN IEC 61804-4

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 62443-3-3	2013	Industrial communication networks - Network and system security - Part 3-3: System security requirements and security levels	EN IEC 62443-3-3	2019
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 62769-1	-	Field Device Integration (FDI) - Part 1: Overview	EN 62769-1	-
IEC 62769-3	-	Field Device Integration (FDI) - Part 3: Server	EN 62769-3	-
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	-
ISO 639	-	Code for the representation of names of languages	-	-
ISO 3166	-	Codes for the representation of names of countries	EN 23166	-
ISO/IEC 15948	-	Information technology - Computer graphics and image processing - Portable Network Graphics (PNG) - Functional specification	-	-
IETF RFC 3066	-	Tags for the Identification of Languages	-	-
XMLSchema-1	-	XML Schema: Structures (available at http://www.w3.org/TR/xmlschema-1/)	-	-

EN IEC 62769-2:2021 (E)

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
XMLSchema-2	-	XML Schema: Datatypes (available at - http://www.w3.org/TR/xmlschema-2/)	-	-



IEC 62769-2

Edition 2.0 2021-02

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Field device integration (FDI) –
Part 2: FDI Client**

**Intégration des appareils de terrain (FDI) –
Partie 2: Client FDI**



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IEC 62769-2

Edition 2.0 2021-02

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**Field device integration (FDI) –
Part 2: FDI Client**

**Intégration des appareils de terrain (FDI) –
Partie 2: Client FDI**

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ICS 25.040.40; 35.100.05

ISBN 978-2-8322-9309-6

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FIELD DEVICE INTEGRATION (FDI) –

Part 2: FDI Client

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International Standard IEC 62769-2 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) running UIPs in a sandbox.

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

FDIS	Report on voting
65E/759/FDIS	65E/769/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.

IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

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 2: FDI Client

1 Scope

This part of IEC 62769 specifies the FDI Client. The overall FDI architecture is illustrated in Figure 1. The architectural components that are within the scope of this document have been highlighted in this figure.

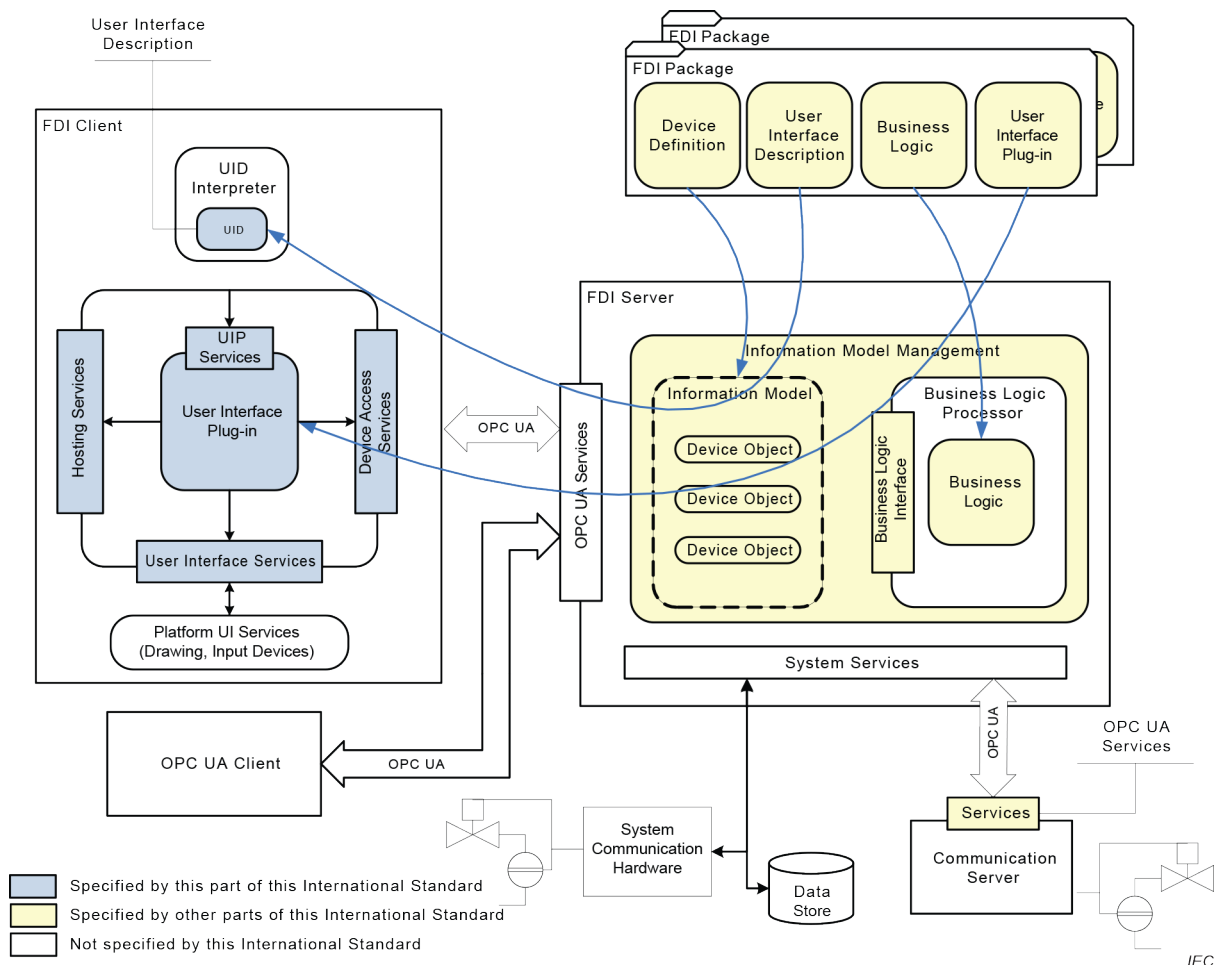


Figure 1 – FDI architecture diagram

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 62443-3-3:2013, *Industrial communication networks – Network and system security – Part 3-3: System security requirements and security levels*

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

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 62541-3, *OPC Unified Architecture – Part 3: Address Space Model*

IEC 62541-4, *OPC Unified Architecture – Part 4: Services*

ISO/IEC 15948, *Information technology – Computer graphics and image processing – Portable Network Graphics (PNG): Functional specification*

ISO 639, *Codes for the representation of names of languages*

ISO 3166, *Codes for the representation of names of countries and their subdivisions*

IETF RFC 3066, *Tags for the Identification of Languages*

XMLSchema-1, *XML Schema: Structures* (available at <http://www.w3.org/TR/xmlschema-1/>)

XMLSchema-2, *XML Schema: Datatypes* (available at <http://www.w3.org/TR/xmlschema-2/>)

koniec náhľadu – text ďalej pokračuje v platenej verzii STN