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Standards

Irish Standard  
I.S. EN IEC 62769-3:2021

# Field Device Integration (FDI) - Part 3: Server

**I.S. EN IEC 62769-3:2021**

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*This document is based on:*

EN IEC 62769-3:2021

*Published:*

2021-03-26

*This document was published  
under the authority of the NSAI  
and comes into effect on:*

2021-04-12

ICS number:

25.040.40

35.100.05

NOTE: If blank see CEN/CENELEC cover page

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**EN IEC 62769-3**

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March 2021

ICS 25.040.40; 35.100.05

Supersedes EN 62769-3:2015 and all of its amendments  
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English Version

## Field Device Integration (FDI) - Part 3: Server (IEC 62769-3:2021)

Intégration des appareils de terrain (FDI) - Partie 3: Serveur  
(IEC 62769-3:2021)

Feldgeräteintegration (FDI) - Teil 3: FDI-Server  
(IEC 62769-3:2021)

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## **EN IEC 62769-3:2021 (E)**

### **European foreword**

The text of document 65E/760/FDIS, future edition 2 of IEC 62769-3, 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 62769-3:2021.

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<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 and electronic device description language (EDDL)	EN IEC 61804	series
IEC 61804-4	2020	Devices and integration in enterprise systems - Function blocks (FB) for process control and electronic device description language (EDDL) - Part 4: EDD interpretation	EN IEC 61804-4	2020
IEC 62541-4	-	OPC Unified Architecture - Part 4: Services	EN IEC 62541-4	-
IEC 62541-7	-	OPC unified architecture - Part 7: Profiles	EN IEC 62541-7	-
IEC 62769-1	-	Field Device Integration (FDI) - Part 1: Overview	EN 62769-1	-
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 62769-7	-	Field Device Integration (FDI) - Part 7: Communication Devices	EN 62769-7	-

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**IEC 62769-3**

Edition 2.0 2021-02

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



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**Field device integration (FDI) –  
Part 3: Server**

**Intégration des appareils de terrain (FDI) –  
Partie 3: Serveur**



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**IEC 62769-3**

Edition 2.0 2021-02

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



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**Field device integration (FDI) –  
Part 3: Server**

**Intégration des appareils de terrain (FDI) –  
Partie 3: Serveur**

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ICS 25.040.40; 35.100.05

ISBN 978-2-8322-9310-2

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### FIELD DEVICE INTEGRATION (FDI) –

#### Part 3: Server

#### FOREWORD

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International Standard IEC 62769-3 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) modification of the edit context concept to harmonize the IEC 61804 and the IEC 62769 series.

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

FDIS	Report on voting
65E/760/FDIS	65E/770/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

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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
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- Part 115-2: Profiles – Protocol-specific Definitions for Modbus RTU
- Part 150-1: Profiles – ISA 100.11a

## FIELD DEVICE INTEGRATION (FDI) –

### Part 3: Server

#### 1 Scope

This part of IEC 62769 specifies the FDI Server. 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.

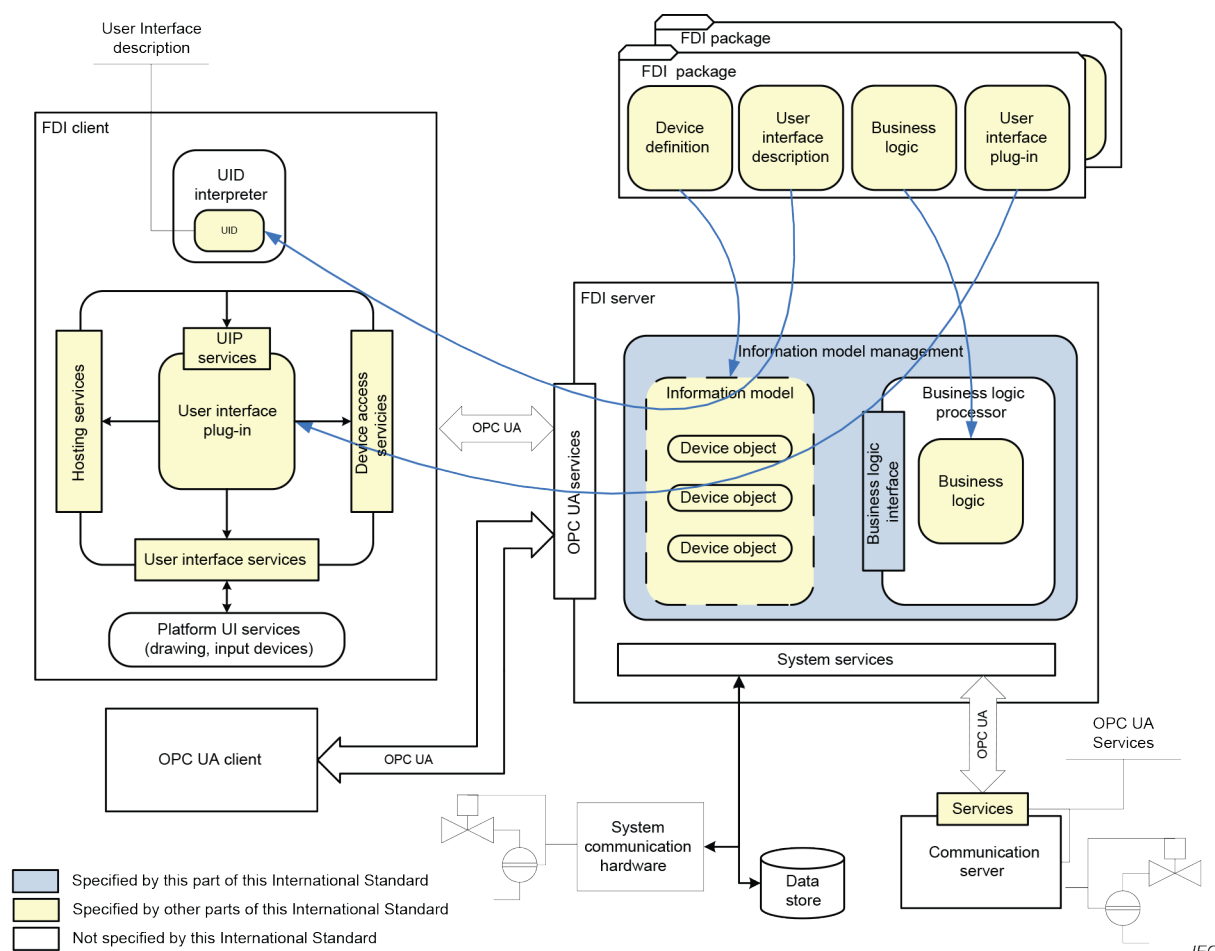


Figure 1 – FDI architecture diagram

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