

Field device integration (FDI) - Part 1: Overview

ESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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ICS 25.040.40, 35.100

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EN IEC 62769-1

March 2021

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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)

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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 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- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024-03-12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
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
IEC 62769-2	NOTE Harmonized as EN 62769-2
IEC 62769-3	NOTE Harmonized as EN 62769-3
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	-

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Field device integration (FDI) –
Part 1: Overview**

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





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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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INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Field device integration (FDI) –
Part 1: Overview**

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

INTERNATIONAL
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CONTENTS

FOREWORD	4
INTRODUCTION	6
1 Scope	7
2 Normative references	7
3 Terms, definitions, abbreviated terms and conventions	7
3.1 Terms and definitions	7
3.2 IEC TR 62541-1 terms (OPC UA)	10
3.3 IEC 62541-3 (OPC UA) terms	10
3.4 IEC 62541-4 (OPC UA) terms	11
3.5 IEC 62541-5 (OPC UA) terms	11
3.6 IEC 62541-100 (OPC UA for Devices) terms	11
3.7 Abbreviated terms	12
3.8 Conventions	12
4 Background	12
4.1 Motivation	12
4.2 Electronic Device Description Language (EDDL)	13
4.3 Field Device Tool (FDT®)	13
4.4 OPC Unified Architecture (OPC UA)	14
5 Architecture	14
5.1 Overview	14
5.2 FDI Packages	15
5.3 FDI Client	16
5.4 FDI Server	16
5.5 FDI Communication Server	17
5.6 User Interface tiering	17
5.7 FDI security considerations	17
5.8 Redundancy	18
6 Deployment	18
6.1 Overview	18
6.2 Engineering, operator and maintenance stations	19
6.3 FDI Server	19
6.4 FDI Communication Servers	19
6.5 Device Tools	19
6.6 Third-party Tools	19
6.7 Handheld Tools	19
6.8 Generic OPC UA Clients	19
7 FDI Host	19
7.1 Overview	19
7.2 FDI Host Variants and Entities	20
7.3 FDI Host Facets	20
8 Life-cycle model	21
8.1 Overview	21
8.2 Identification mechanism	21
8.3 Versioning mechanism	22
8.3.1 Version levels	22

8.3.2	FDI Technology Version	22
8.3.3	Forward compatibility.....	25
Annex A (informative)	FDI life-cycle concept summary	27
A.1	General.....	27
A.2	Life-cycle relevant topics (references).....	27
Annex B (informative)	Issue reporting	28
Bibliography.....		29
Figure 1 – FDI architecture diagram.....		15
Figure 2 – Typical deployment scenario		18
Figure 3 – FDI Technology Version dependencies		23
Table 1 – FDI Host Variants and possible Facets		20
Table 2 – FDI Host Facets and related FDI Entities.....		21
Table 3 – Summary of influences on the FDI Technology Version		25
Table 4 – Combinations of Minor Versions that require special handling		25
Table A.1 – Life-cycle aspects as part of the FDI technology		27
Table A.2 – Life-cycle aspects as part of products and services provided with the FDI technology		27

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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.

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INTRODUCTION

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- Part 1: Overview
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- Part 6: FDI Technology Mapping
- Part 7: FDI Communication Devices
- Part 100: Profiles – Generic Protocol Extensions
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