

Field Device Integration (FDI) - Part 2: FDI Client

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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ICS 25.040.40, 35.100.05

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN IEC 62769-2

March 2021

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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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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

## 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 (dop) 2021-12-12 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2024-03-12 document have to be withdrawn

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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](http://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: EN 62769-1 Overview	EN 62769-1	-
IEC 62769-3	-	Field Device Integration (FDI) - Part 3: EN 62769-3 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: EN 62769-5 Information Model	EN 62769-5	-
IEC 62769-6	-	Field Device Integration (FDI) - Part 6: EN 62769-6 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 <a href="http://www.w3.org/TR/xmlschema-1/">http://www.w3.org/TR/xmlschema-1/</a> )	-	-

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

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# 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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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



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

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

INTERNATIONAL  
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## CONTENTS

FOREWORD .....	10
INTRODUCTION .....	12
1 Scope .....	13
2 Normative references .....	13
3 Terms, definitions, abbreviated terms and conventions .....	14
3.1 Terms and definitions .....	14
3.1.1 Terms used for Services .....	14
3.1.2 Terms used for Device Access Services .....	15
3.2 Abbreviated terms .....	15
3.3 Conventions .....	15
4 Overview .....	16
5 FDI Client .....	17
5.1 Device Access Services .....	17
5.1.1 General .....	17
5.1.2 Device Model .....	17
5.1.3 Node model .....	19
5.1.4 Services .....	26
5.1.5 Base Property Services .....	30
5.1.6 Device Model Services .....	31
5.1.7 Locking Services .....	44
5.1.8 Direct Access Services .....	46
5.1.9 Data types .....	48
5.2 Hosting Services .....	53
5.2.1 General .....	53
5.2.2 Services .....	53
5.2.3 Parameter Type Definitions .....	65
6 UIP .....	67
6.1 UIP Services .....	67
6.1.1 Services .....	67
6.1.2 Parameter type definitions .....	70
6.2 UIP instantiation rules .....	72
6.3 UIP state machine .....	72
6.3.1 States .....	72
6.3.2 State transitions .....	73
6.4 UIP permissions and restrictions .....	74
6.4.1 Introduction .....	74
6.4.2 Access to local file system .....	74
6.4.3 Export/Import of files .....	74
6.4.4 Inter-Process Communication (IPC) .....	74
6.4.5 Open files based on MIME Type .....	75
6.4.6 Access to resources .....	75
6.5 UIP deployment .....	75
6.5.1 UIP downloads from FDI Server .....	75
6.5.2 UIP management on FDI Client .....	76
7 Actions .....	77

7.1	General.....	77
7.2	Sequence diagram.....	77
7.3	FDI Action schema definition.....	80
8	User Interface Description (UID).....	81
8.1	Overview.....	81
8.2	UID execution .....	83
	Annex A (normative) XML schema .....	87
A.1	General.....	87
A.2	AbortRequestT.....	87
A.3	AccessT.....	87
A.4	AcknowledgementRequestT.....	88
A.5	ActionListT.....	88
A.6	AbortingNotificationT .....	89
A.7	ActionRequestT .....	89
A.8	ActionResponseT.....	90
A.9	ActionT .....	91
A.10	AxisListT.....	92
A.11	AxisT .....	92
A.12	BitEnumerationItemListT.....	93
A.13	BitEnumerationItemT .....	93
A.14	ButtonListT .....	94
A.15	ChartT .....	94
A.16	ChartTypeT.....	95
A.17	ColorNameT .....	96
A.18	ColorT.....	97
A.19	ColorValueT .....	97
A.20	ColumnBreakT .....	97
A.21	DateTimeDataT.....	98
A.22	DelayMessageRequestT .....	98
A.23	DiagramLineT .....	99
A.24	EnumerationItemListT .....	100
A.25	EnumerationItemT .....	100
A.26	FormatSpecifierT .....	101
A.27	GraphT .....	101
A.28	GridT .....	102
A.29	HandlingT .....	102
A.30	ImageT .....	103
A.31	InfoRequestT .....	104
A.32	InputRequestT .....	104
A.33	InputResponseT.....	105
A.34	InputValueT .....	105
A.35	InputValueTypeT.....	106
A.36	LabelHelpT .....	106
A.37	LabelT .....	107
A.38	LineTypeT.....	107
A.39	MenuT .....	108
A.40	MenuReferenceT .....	110
A.41	MenuStyleT.....	111
A.42	NumericDataT .....	111

A.43	NumericTemplateT .....	112
A.44	OptionListT .....	112
A.45	OrientationT .....	113
A.46	ParameterInputRequestT .....	113
A.47	ParameterListT .....	114
A.48	ParameterT .....	114
A.49	PluginT .....	116
A.50	RangeListT .....	116
A.51	RangeT .....	117
A.52	ResponseT .....	117
A.53	RowBreakT .....	117
A.54	ScalingT .....	118
A.55	SelectionRequestT .....	118
A.56	SelectionResponseT .....	119
A.57	SeparatorT .....	119
A.58	SizeT .....	119
A.59	ParameterClassT .....	120
A.60	ActionClassT .....	121
A.61	SourceListT .....	123
A.62	SourceT .....	124
A.63	StringDataT .....	124
A.64	StringTemplateT .....	125
A.65	StringOptionListT .....	125
A.66	StringOptionT .....	126
A.67	StringT .....	126
A.68	TimeScaleT .....	127
A.69	UidLayoutInformation .....	127
A.70	UidRequestT .....	128
A.71	UidResponseT .....	128
A.72	UiElementSizeableT .....	129
A.73	UiElementT .....	129
A.74	UiTemplateT .....	130
A.75	VariantT .....	131
A.76	VariantOptionListT .....	132
A.77	VariantOptionT .....	132
A.78	VectorListT .....	133
A.79	VectorT .....	133
A.80	WaveformListT .....	134
A.81	WaveformT .....	134
A.82	WaveformTypeT .....	135
A.83	WaveformTypeHorizontalT .....	135
A.84	WaveformTypeVerticalT .....	135
A.85	WaveformTypeYTT .....	136
A.86	WaveformTypeXYT .....	137
A.87	WaveformKeyPointListT .....	138
A.88	WaveformVectorT .....	138
A.89	WaveformVectorElementListT .....	139
A.90	WaveformVectorElementT .....	139
	Annex B (informative) Action example .....	141

Annex C (informative) Typical FDI Client use cases .....	150
C.1    General.....	150
C.2    Bulk operations .....	150
C.3    Progress bar support .....	150
Bibliography.....	152
Figure 1 – FDI architecture diagram.....	13
Figure 2 – Overall structure of a Device .....	18
Figure 3 – Structure of Blocks.....	19
Figure 4 – Device Model NodeClasses.....	19
Figure 5 – Example: Variable hierarchy representing a RECORD.....	24
Figure 6 – Variable hierarchy representing a VALUE_ARRAY of RECORDs.....	25
Figure 7 – UIP state machine.....	73
Figure 8 – FDI Action sequence diagram .....	78
Figure 9 – User Interface Descriptions .....	82
Figure 10 – User Interface Description sequence diagram .....	84
Figure B.1 – Action example (step 1).....	144
Figure B.2 – Action example (step 2).....	145
Figure B.3 – Action example (step 3).....	146
Figure B.4 – Action example (step 4).....	147
Figure B.5 – Action example (step 5).....	148
Figure B.6 – Action example (step 6).....	149
Figure C.1 – Progress bar support .....	151
Table 1 – BaseNodeClass Attributes.....	20
Table 2 – Object NodeClass Attributes.....	20
Table 3 – Variable NodeClass Attributes .....	21
Table 4 – Parsing of the initial bytes .....	23
Table 5 – Service Definition Table .....	26
Table 6 – StatusCode Bit Assignments .....	28
Table 7 – DataValue InfoBits .....	28
Table 8 – Service result codes .....	29
Table 9 – Operation level result codes .....	29
Table 10 – GetDeviceAccessInterfaceVersion Service parameters.....	31
Table 11 – GetOnlineAccessAvailability Service parameters .....	31
Table 12 – Browse Service parameters .....	32
Table 13 – CancelBrowse Service parameters .....	33
Table 14 – Read Service parameters .....	34
Table 15 – Read Service result codes .....	34
Table 16 – Read operation result codes .....	35
Table 17 – CancelRead Service parameters .....	36
Table 18 – Write Service parameters .....	37
Table 19 – Write operation result codes .....	37

Table 20 – CancelWrite Service parameters .....	38
Table 21 – CreateSubscription Service parameters.....	39
Table 22 – CreateSubscription Service result codes .....	39
Table 23 – Subscribe Service parameters .....	40
Table 24 – Subscribe operation result codes.....	42
Table 25 – Unsubscribe Service Parameters.....	42
Table 26 – Unsubscribe operation result codes.....	42
Table 27 – DeleteSubscription Service parameters .....	43
Table 28 – DataChangeCallback Service parameters.....	43
Table 29 – DataChangeCallback result codes .....	44
Table 30 – InitLock Service parameters .....	45
Table 31 – InitLock Service result codes .....	45
Table 32 – ExitLock Service parameters .....	45
Table 33 – ExitLock Service result codes .....	45
Table 34 – InitDirectAccess Service parameters .....	46
Table 35 – InitDirectAccess Service result codes .....	47
Table 36 – ExitDirectAccess Service parameters .....	47
Table 37 – ExitDirectAccess Service result codes .....	47
Table 38 – Transfer Service parameters .....	48
Table 39 – Transfer Service result codes .....	48
Table 40 – Base data types .....	48
Table 41 – Identifiers assigned to Attributes .....	49
Table 42 – NodeSpecifier.....	50
Table 43 – DataValue .....	50
Table 44 – InnerErrorInfo.....	51
Table 45 – LocalizedText Definition .....	51
Table 46 – LocaleId Examples .....	52
Table 47 – Range Data Type Structure .....	52
Table 48 – EUInformation Data Type Structure .....	53
Table 49 – EnumValueType Definition .....	53
Table 50 – GetClientTechnologyVersion Service parameters .....	54
Table 51 – OpenUserInterface Service parameters .....	54
Table 52 – LogAuditTrailMessage Service parameters.....	55
Table 53 – SaveUserSettings Service parameters.....	56
Table 54 – LoadUserSettings Service parameters.....	56
Table 55 – Trace Service parameters .....	56
Table 56 – ShowMessageBox Service parameters .....	57
Table 57 – ShowProgressBar Service parameters .....	57
Table 58 – UpdateShowProgressBar Service parameters .....	58
Table 59 – EndShowProgressBar Service parameters .....	58
Table 60 – StandardUIActionItemsChange Service parameters.....	59
Table 61 – SpecificUIActionItemsChange Service parameters .....	59
Table 62 – InitExportFile Service parameters.....	60

Table 63 – WriteExportFile Service parameters .....	60
Table 64 – FinishExportFile Service parameters .....	61
Table 65 – InitImportFile Service parameters .....	61
Table 66 – ReadImportFile Service parameters.....	62
Table 67 – FinishImportFile Service parameters .....	62
Table 68 – InitOpenDefaultApplication Service parameters .....	63
Table 69 – WriteOpenDefaultApplication Service parameters.....	64
Table 70 – FinishOpenDefaultApplication Service parameters .....	64
Table 71 – GetHostingProperties Service parameters .....	65
Table 72 – GetHostingProperties Key Value Pairs .....	65
Table 73 – DefaultResult definition .....	66
Table 74 – ButtonSet definition .....	66
Table 75 – AcknStyle definition .....	66
Table 76 – Activate Service parameters .....	67
Table 77 – Deactivate Service parameters .....	68
Table 78 – SetSystemLabel Service parameters .....	68
Table 79 – SetTraceLevel Service parameters .....	69
Table 80 – GetStandardUIActionItems Service parameters .....	69
Table 81 – GetSpecificUIActionItems Service parameters .....	70
Table 82 – InvokeStandardUIAction Service parameters .....	70
Table 83 – InvokeSpecificUIAction Service parameters.....	70
Table 84 – TraceLevel definition .....	71
Table 85 – StandardUIAction definition .....	71
Table 86 – StandardUIActionItem definition .....	72
Table 87 – SpecificUIActionItem definition .....	72
Table 88 – UIP states .....	73
Table 89 – UIP state transitions .....	73
Table A.1 – Elements of AbortRequestT .....	87
Table A.2 – Enumerations of AccessT.....	88
Table A.3 – Elements of AcknowledgementRequestT.....	88
Table A.4 – Elements of ActionListT .....	88
Table A.5 – Elements of ActionRequestT .....	90
Table A.6 – Elements of ActionResponseT .....	91
Table A.7 – Elements of ActionT .....	91
Table A.8 – Elements of AxisListT .....	92
Table A.9 – Attributes of AxisT.....	93
Table A.10 – Elements of AxisT .....	93
Table A.11 – Elements of BitEnumerationItemListT .....	93
Table A.12 – Elements of BitEnumerationItemT .....	94
Table A.13 – Elements of ButtonListT .....	94
Table A.14 – Elements of ChartT .....	95
Table A.15 – Enumerations of ChartTypeT.....	96
Table A.16 – Enumerations of ColorNameT .....	97

Table A.17 – Enumerations of DateTimeDataT .....	98
Table A.18 – Elements of DelayMessageRequestT .....	99
Table A.19 – Attributes of DiagramLineT .....	99
Table A.20 – Elements of DiagramLineT .....	100
Table A.21 – Elements of EnumerationItemListT .....	100
Table A.22 – Elements of EnumerationItemT .....	101
Table A.23 – Elements of GraphT .....	102
Table A.24 – Elements of GridT .....	102
Table A.25 – Enumerations of HandlingT .....	103
Table A.26 – Attributes of ImageT .....	104
Table A.27 – Elements of ImageT .....	104
Table A.28 – Elements of InfoRequestT .....	104
Table A.29 – Elements of InputRequestT .....	105
Table A.30 – Elements of InputResponseT .....	105
Table A.31 – Elements of inputValueT .....	106
Table A.32 – Elements of inputValueTypeT .....	106
Table A.33 – Elements of LabelHelpT .....	107
Table A.34 – Elements of LabelT .....	107
Table A.35 – Enumerations of LineTypeT .....	108
Table A.36 – Attributes of MenuT .....	109
Table A.37 – Elements of MenuT .....	110
Table A.38 – Attributes of MenuReferenceT .....	110
Table A.39 – Elements of MenuReferenceT .....	110
Table A.40 – Enumerations of MenuStyleT .....	111
Table A.41 – Enumerations of NumericDataT .....	112
Table A.42 – Elements of NumericTemplateT .....	112
Table A.43 – Elements of OptionListT .....	113
Table A.44 – Enumerations of OrientationT .....	113
Table A.45 – Elements of ParameterInputRequestT .....	113
Table A.46 – Elements of ParameterListT .....	114
Table A.47 – Elements of ParameterT .....	115
Table A.48 – Elements of PluginT .....	116
Table A.49 – Elements of RangeListT .....	117
Table A.50 – Elements of RangeT .....	117
Table A.51 – Enumerations of ScalingT .....	118
Table A.52 – Elements of SelectionRequestT .....	118
Table A.53 – Elements of SelectionResponseT .....	119
Table A.54 – Enumerations of SizeT .....	120
Table A.55 – Enumerations of ParameterClassT .....	121
Table A.56 – Enumerations of ActionClassT .....	123
Table A.57 – Elements of SourceListT .....	124
Table A.58 – Elements of SourceT .....	124
Table A.59 – Enumerations of StringDataT .....	125

Table A.60 – Elements of StringTemplateT .....	125
Table A.61 – Elements of StringOptionListT .....	126
Table A.62 – Elements of StringOptionT .....	126
Table A.63 – Elements of StringT.....	127
Table A.64 – Enumerations of TimeScaleT .....	127
Table A.65 – Elements of UidLayoutInformation.....	128
Table A.66 – Elements of UidRequestT.....	128
Table A.67 – Elements of UidResponseT .....	129
Table A.68 – Attributes of UiElementSizeableT .....	129
Table A.69 – Elements of UiElementSizeableT .....	129
Table A.70 – Elements of UiElementT.....	130
Table A.71 – Elements of UiTemplateT .....	131
Table A.72 – Elements of VariantT.....	132
Table A.73 – Elements of VariantOptionListT.....	132
Table A.74 – Elements of VariantOptionT .....	133
Table A.75 – Elements of VectorListT .....	133
Table A.76 – Elements of VectorT.....	134
Table A.77 – Elements of WaveformListT.....	134
Table A.78 – Elements of WaveformT .....	135
Table A.79 – Elements of WaveformTypeHorizontalT.....	135
Table A.80 – Elements of WaveformTypeVerticalT.....	136
Table A.81 – Elements of WaveformTypeYTT .....	137
Table A.82 – Elements of WaveformTypeXYT .....	137
Table A.83 – Elements of WaveformKeyPointListT .....	138
Table A.84 – Attributes of WaveformVectorT.....	139
Table A.85 – Elements of WaveformVectorT .....	139
Table A.86 – Elements of WaveformVectorElementListT .....	139
Table A.87 – Elements of WaveformVectorElementT .....	140

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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