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Field device integration (FDI)® –
Part 150-1: Profiles – ISA100-**WIRELESS**

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CONTENTS

FOREWORD.....	4
1 Scope.....	6
2 Normative references	6
3 Terms, definitions, abbreviated terms and acronyms	7
3.1 Terms and definitions.....	7
3.2 Abbreviated terms and acronyms	7
4 Conventions	7
4.1 EDDL syntax.....	7
4.2 XML syntax.....	7
4.3 Capitalizations	7
5 Profile for ISA100 WIRELESS.....	8
5.1 General.....	8
5.2 Catalog profile	8
5.2.1 Protocol support file.....	8
5.2.2 CommunicationProfile definition.....	9
5.2.3 Profile device.....	9
5.2.4 Protocol version information	9
5.3 Associating a Package with a device.....	9
5.3.1 Device type identification mapping.....	9
5.3.2 Device type revision mapping	10
5.4 Information Model mapping	11
5.4.1 ProtocolType definition	11
5.4.2 DeviceType mapping	11
5.4.3 FunctionalGroup identification definition	11
5.4.4 BlockType property mapping	12
5.4.5 Mapping to Object ParameterSet	12
5.5 Topology elements.....	12
5.5.1 ConnectionPoint definition	12
5.5.2 Communication Device definition	14
5.5.3 Communication service provider definition.....	15
5.5.4 Network definition	16
5.6 Methods.....	17
5.6.1 Methods for FDI [®] Communication Servers	17
5.6.2 Methods for Gateways	21
Annex A (normative) Topology Scan result schema	22
A.1 General.....	22
A.2 Target Namespace.....	22
A.3 Network	22
A.4 ISA100_WirelessNetworkT.....	22
A.5 ISA100_WirelessConnectionPointT	23
A.6 ISA100_WirelessIdentificationT.....	23
A.7 ISA100_WirelessAddressT.....	24
A.8 ISA_WirelessObjIdentificationT	24
Annex B (normative) Transfer service parameters.....	26
B.1 General.....	26
B.2 sendData	26

- B.3 receiveData 26
- B.4 TransferSendDataT..... 26
- B.5 OperationT..... 27
- B.6 TransferResultDataT..... 27
- Bibliography..... 28

- Table 1 – Capability file part 8
- Table 2 – Protocol Version Information 9
- Table 3 – Device identification information mapping..... 10
- Table 4 – Device type catalog mapping..... 10
- Table 5 – Protocol type ISA100 WIRELESS 11
- Table 6 – Inherited DeviceType property mapping 11
- Table 7 – ISA100 Wireless Device Types identification attributes..... 11
- Table 8 – Inherited BlockType property mapping..... 12
- Table 9 – ConnectionPointType ConnectionPoint_ISA100_Wireless definition 13
- Table 10 – Method Connect arguments..... 17
- Table 11 – Method Disconnect arguments 18
- Table 12 – Method Transfer arguments..... 19
- Table 13 – Method GetPublishedData arguments..... 20
- Table A.1 – Elements of ISA100_WirelessNetworkT 22
- Table A.2 – Elements of ISA100_WirelessConnectionPointT..... 23
- Table A.3 – Attributes of ISA100_WirelessIdentificationT 24
- Table A.4 – Attributes of ISA100_WirelessObjIdentificationT 25
- Table B.1 – Attributes of TransferSendDataT..... 27
- Table B.2 – Enumerations of OperationT 27
- Table B.3 – Attributes of TransferResultDataT 27

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FIELD DEVICE INTEGRATION (FDI®) –

Part 150-1: Profiles – ISA100-WIRELESS

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IEC 62769-150-1 has been prepared by subcommittee 65E: Devices and integration in enterprise systems, of IEC technical committee 65: Industrial-process measurement, control and automation. It is an International Standard.

This second edition cancels and replaces the first edition published in 2021. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) added namespace to Annex A.

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

Draft	Report on voting
65E/866/CDV	65E/923/RVC

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

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FIELD DEVICE INTEGRATION (FDI®) –

Part 150-1: Profiles – ISA100-~~WIRELESS~~

1 Scope

This part of IEC 62769 specifies an FDI^{®1} profile of IEC 62769 for IEC 62734 (ISA100-~~WIRELESS~~.11a)².

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 62734:2014, *Industrial networks – Wireless communication network and communication profiles – ISA 100.11a*

IEC 61804 (all parts), *Devices and integration in enterprise systems – Function blocks (FB) for process control and electronic device description language (EDDL)*

IEC TR 62541-2, *OPC unified architecture – Part 2: Security Model*

~~IEC 62541-6, OPC unified architecture – Part 6: Mappings~~

IEC 62541-100:2015, *OPC unified architecture – Part 100: Device Interface*

IEC 62734:2014, *Industrial networks – Wireless communication network and communication profiles – ISA 100.11a*

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

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 62769-7, *Field device integration (FDI®) – Part 7: ~~FDI~~ Communication devices*

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Field device integration (FDI)® –
Part 150-1: Profiles – ISA100**

**Intégration des appareils de terrain (FDI)® –
Partie 150-1: Profils – ISA100**



CONTENTS

FOREWORD.....	4
1 Scope.....	6
2 Normative references	6
3 Terms, definitions, abbreviated terms and acronyms	7
3.1 Terms and definitions.....	7
3.2 Abbreviated terms and acronyms	7
4 Conventions	7
4.1 EDDL syntax.....	7
4.2 XML syntax.....	7
4.3 Capitalizations	8
5 Profile for ISA100 WIRELESS.....	8
5.1 General.....	8
5.2 Catalog profile	8
5.2.1 Protocol support file.....	8
5.2.2 CommunicationProfile definition.....	9
5.2.3 Profile device.....	9
5.2.4 Protocol version information	9
5.3 Associating a Package with a device.....	9
5.3.1 Device type identification mapping.....	9
5.3.2 Device type revision mapping	10
5.4 Information Model mapping	10
5.4.1 ProtocolType definition	10
5.4.2 DeviceType mapping	11
5.4.3 FunctionalGroup identification definition	11
5.4.4 BlockType property mapping	11
5.4.5 Mapping to Object ParameterSet	12
5.5 Topology elements.....	12
5.5.1 ConnectionPoint definition	12
5.5.2 Communication Device definition	14
5.5.3 Communication service provider definition.....	15
5.5.4 Network definition	16
5.6 Methods.....	17
5.6.1 Methods for FDI [®] Communication Servers	17
5.6.2 Methods for Gateways	21
Annex A (normative) Topology Scan result schema	22
A.1 General.....	22
A.2 Target Namespace.....	22
A.3 Network	22
A.4 ISA100_WirelessNetworkT.....	22
A.5 ISA100_WirelessConnectionPointT	23
A.6 ISA100_WirelessIdentificationT.....	23
A.7 ISA100_WirelessAddressT.....	24
A.8 ISA_WirelessObjIdentificationT	24
Annex B (normative) Transfer service parameters.....	26
B.1 General.....	26
B.2 sendData	26

B.3 receiveData 26

B.4 TransferSendDataT..... 26

B.5 OperationT..... 27

B.6 TransferResultDataT..... 27

Bibliography..... 28

Table 1 – Capability file part 8

Table 2 – Protocol Version Information 9

Table 3 – Device identification information mapping..... 10

Table 4 – Device type catalog mapping..... 10

Table 5 – Protocol type ISA100 WIRELESS 11

Table 6 – Inherited DeviceType property mapping 11

Table 7 – ISA100 Wireless Device Types identification attributes..... 11

Table 8 – Inherited BlockType property mapping..... 12

Table 9 – ConnectionPointType ConnectionPoint_ISA100_Wireless definition 13

Table 10 – Method Connect arguments..... 17

Table 11 – Method Disconnect arguments 18

Table 12 – Method Transfer arguments..... 19

Table 13 – Method GetPublishedData arguments..... 20

Table A.1 – Elements of ISA100_WirelessNetworkT 22

Table A.2 – Elements of ISA100_WirelessConnectionPointT..... 23

Table A.3 – Attributes of ISA100_WirelessIdentificationT 24

Table A.4 – Attributes of ISA100_WirelessObjIdentificationT 25

Table B.1 – Attributes of TransferSendDataT..... 27

Table B.2 – Enumerations of OperationT 27

Table B.3 – Attributes of TransferResultDataT 27

INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIELD DEVICE INTEGRATION (FDI®) –

Part 150-1: Profiles – ISA100

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FIELD DEVICE INTEGRATION (FDI®) –

Part 150-1: Profiles – ISA100

1 Scope

This part of IEC 62769 specifies an FDI^{®1} profile of IEC 62769 for IEC 62734 (ISA100.11a)².

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IEC 62769-5, *Field device integration (FDI®) – Part 5: Information Model*

IEC 62769-6, *Field device integration (FDI®) – Part 6: Technology Mapping*

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SOMMAIRE

AVANT-PROPOS	32
1 Domaine d'application	34
2 Références normatives	34
3 Termes, définitions, abréviations et acronymes	35
3.1 Termes et définitions	35
3.2 Abréviations et acronymes	35
4 Conventions	35
4.1 Syntaxe EDDL	35
4.2 Syntaxe XML	35
4.3 Utilisation de majuscules	36
5 Profil pour ISA100 WIRELESS	36
5.1 Généralités	36
5.2 Profil de catalogue	36
5.2.1 Fichier de prise en charge de protocole	36
5.2.2 Définition du CommunicationProfile	37
5.2.3 Appareil de profil	37
5.2.4 Informations relatives à la version du protocole	37
5.3 Association d'un Paquetage à un appareil	37
5.3.1 Mapping d'identification du type d'appareil	37
5.3.2 Mapping de révision de type d'appareil	39
5.4 Mapping du Modèle d'information	39
5.4.1 Définition du ProtocolType	39
5.4.2 Mapping de DeviceType	39
5.4.3 Définition du FunctionalGroup "Identification"	39
5.4.4 Mapping des propriétés du BlockType	40
5.4.5 Mapping avec le ParameterSet d'Objet	40
5.5 Eléments de topologie	40
5.5.1 Définition du ConnectionPoint	40
5.5.2 Définition de l'appareil de communication	43
5.5.3 Définition du fournisseur de service de communication	44
5.5.4 Définition du Réseau	44
5.6 Méthodes	45
5.6.1 Méthodes pour les Serveurs de communication FDI®	45
5.6.2 Méthodes pour les Passerelles	50
Annexe A (normative) Schéma des résultats du balayage de la topologie	51
A.1 Généralités	51
A.2 Espace de noms cible	51
A.3 Network	51
A.4 ISA100_WirelessNetworkT	51
A.5 ISA100_WirelessConnectionPointT	52
A.6 ISA100_WirelessIdentificationT	52
A.7 ISA100_WirelessAddressT	53
A.8 ISA_WirelessObjIdentificationT	53
Annexe B (normative) Paramètres du service Transfer	55
B.1 Généralités	55
B.2 sendData	55

B.3	receiveData	55
B.4	TransferSendDataT.....	55
B.5	OperationT.....	56
B.6	TransferResultDataT.....	56
	Bibliographie.....	57
	Tableau 1 – Partie fichier de capacité	36
	Tableau 2 – Informations relatives à la version du protocole	37
	Tableau 3 – Mapping des informations d'identification d'appareil	38
	Tableau 4 – Mapping dans le catalogue des types d'appareils	38
	Tableau 5 – Type de protocole ISA100 WIRELESS.....	39
	Tableau 6 – Mapping des propriétés héritées du DeviceType.....	39
	Tableau 7 – Attributs d'identification des types d'appareils ISA100 WIRELESS.....	40
	Tableau 8 – Mapping des propriétés héritées du BlockType.....	40
	Tableau 9 – Définition du ConnectionPointType ConnectionPoint_ISA100_Wireless	41
	Tableau 10 – Arguments de la méthode Connect.....	46
	Tableau 11 – Arguments de la méthode Disconnect.....	47
	Tableau 12 – Arguments de la méthode Transfer.....	48
	Tableau 13 – Arguments de la méthode GetPublishedData.....	49
	Tableau A.1 – Eléments de ISA100_WirelessNetworkT.....	51
	Tableau A.2 – Eléments de ISA100_WirelessConnectionPointT	52
	Tableau A.3 – Attributs de ISA100_WirelessIdentificationT	53
	Tableau A.4 – Attributs de ISA100_WirelessObjIdentificationT.....	54
	Tableau B.1 – Attributs de TransferSendDataT	56
	Tableau B.2 – Enumérations de OperationT.....	56
	Tableau B.3 – Attributs de TransferResultDataT	56

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Partie 150-1: Profils – ISA100

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Cette deuxième édition annule et remplace la première édition parue en 2021. Cette édition constitue une révision technique.

Cette édition inclut les modifications techniques majeures suivantes par rapport à l'édition précédente:

- a) ajout d'un espace de noms à l'Annexe A.

Le texte de cette Norme internationale est issu des documents suivants:

Projet	Rapport de vote
65E/866/CDV	65E/923/RVC

Le rapport de vote indiqué dans le tableau ci-dessus donne toute information sur le vote ayant abouti à son approbation.

La langue employée pour l'élaboration de cette Norme internationale est l'anglais.

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INTÉGRATION DES APPAREILS DE TERRAIN (FDI®) –

Partie 150-1: Profils – ISA100

1 Domaine d'application

La présente partie de l'IEC 62769 spécifie un profil FDI^{®1} de l'IEC 62769 pour le profil ISA100.11a² défini dans l'IEC 62734.

2 Références normatives

Les documents suivants sont cités dans le texte de sorte qu'ils constituent, pour tout ou partie de leur contenu, des exigences du présent document. Pour les références datées, seule l'édition citée s'applique. Pour les références non datées, la dernière édition du document de référence s'applique (y compris les éventuels amendements).

IEC 62734:2014, *Réseaux industriels – Réseau de communication sans fil et profils de communication – ISA 100.11a*

IEC 61804 (toutes les parties), *Les dispositifs et leur intégration dans les systèmes de l'entreprise – Blocs fonctionnels (FB) pour les procédés industriels et le langage de description électronique de produit (EDDL)*

IEC TR 62541-2, *OPC Unified Architecture – Part 2: Security Model* (disponible en anglais seulement)

IEC 62541-100:2015, *Architecture unifiée OPC – Partie 100: Interface d'appareils*

IEC 62734:2014, *Réseaux industriels – Réseau de communications sans fil et profils de communication – ISA 100.11a*

IEC 62769-4, *Intégration des appareils de terrain (FDI®) – Partie 4: Paquetages FDI®*

IEC 62769-5, *Intégration des appareils de terrain (FDI®) – Partie 5: Modèle d'Information*

IEC 62769-6, *Intégration des appareils de terrain (FDI®) – Partie 6: Mapping de technologies*

IEC 62769-7, *Intégration des appareils de terrain (FDI®) – Partie 7: Appareils de communication*

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