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INTERNATIONAL STANDARD



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

INTERNATIONAL
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COMMISSION

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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.

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.

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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**



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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.

2 Normative references

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

IEC 62769-4, *Field device integration (FDI®) – Part 4: FDI® Packages*

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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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.

Ce document a été rédigé selon les Directives ISO/IEC, Partie 2, il a été développé selon les Directives ISO/IEC, Partie 1 et les Directives ISO/IEC, Supplément IEC, disponibles sous www.iec.ch/members_experts/refdocs. Les principaux types de documents développés par l'IEC sont décrits plus en détail sous www.iec.ch/standardsdev/publications.

Une liste de toutes les parties de la série IEC 62769, publiées sous le titre général *Intégration des appareils de terrain (FDI®)*, se trouve sur le site web de l'IEC.

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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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