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Field Device Integration (FDI)® – Part 101-2: Profiles – Foundation Fieldbus HSE

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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FIELD DEVICE INTEGRATION (FDI®) –

Part 101-2: Profiles – Foundation Fieldbus HSE

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This third edition cancels and replaces the second edition published in 2020. 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;

b) changed content type of cff file to application/vnd.ff.cff.

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

Draft	Report on voting
65E/861/CDV	65E/918/RVC

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

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FIELD DEVICE INTEGRATION (FDI®) –

Part 101-2: Profiles – Foundation Fieldbus HSE

1 Scope

This part of IEC 62769 specifies the IEC 62769 profile for IEC 61784-1, CP 1/2 (FOUNDATION™ Fieldbus HSE)[1].

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 61784-1, *Industrial communication networks – Profiles – Part 1: Fieldbus Profiles*

IEC 61784-2, *Industrial communication networks – Profiles – Part 2: Additional fieldbus profiles for real-time networks based on ISO/IEC~~/IEEE~~ 8802-3*

IEC 61804 (all parts), *Devices and integration in enterprise systems – Function blocks (FB) for process control and Electronic Device Description Language (EDDL)*

IEC 62541-6, *OPC Unified Architecture – Part 6: Mappings*

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

IEC 62769-2, *Field device integration (FDI®) – Part 2: ~~FDI~~ Client*

IEC 62769-3, *Field device integration (FDI®) – Part 3: ~~FDI~~ Server*

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*

IEC 62769-101-1, *Field device integration (FDI®) – Part 101-1: Profiles – Foundation Fieldbus H1*

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Edition 3.0 2023-04

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NORME INTERNATIONALE

Field Device Integration (FDI)® – Part 101-2: Profiles – Foundation Fieldbus HSE

Intégration des appareils de terrain (FDI)® – Partie 101-2: Profils – Foundation Fieldbus HSE



IEC 62769-101-2:2023-04(en-fr)

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FIELD DEVICE INTEGRATION (FDI®) –

Part 101-2: Profiles – Foundation Fieldbus HSE

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FIELD DEVICE INTEGRATION (FDI®) –

Part 101-2: Profiles – Foundation Fieldbus HSE

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

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Partie 101-2: Profils – Foundation Fieldbus HSE

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Cette troisième édition annule et remplace la deuxième édition parue en 2020. 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;
b) modification du type de contenu des fichiers cff par application/vnd.ff.cff.

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

Projet	Rapport de vote
65E/861/CDV	65E/918/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.

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INTÉGRATION DES APPAREILS DE TERRAIN (FDI®) –

Partie 101-2: Profils – Foundation Fieldbus HSE

1 Domaine d'application

La présente partie de l'IEC 62769 spécifie le profil de l'IEC 62769 pour le profil de communication CP 1/2 (FOUNDATION™ Fieldbus HSE)[1] défini dans l'IEC 61784-1.

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 61784-1, *Réseaux de communication industriels – Profils – Partie 1: Profils de bus de terrain*

IEC 61784-2, *Réseaux de communication industriels – Profils – Partie 2: Profils de bus de terrain supplémentaires pour les réseaux en temps réel basés sur l'ISO/CEI 8802-3*

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 62541-6, *Architecture unifiée OPC – Partie 6: Mappings*

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IEC 62769-2, *Intégration des appareils de terrain (FDI®) – Partie 2: Client*

IEC 62769-3*, Intégration des appareils de terrain (FDI®) – Partie 3: Serveur*

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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IEC 62769-101-1, *Intégration des appareils de terrain (FDI®) – Partie 101-1: Profils – Foundation Fieldbus H1*