

Field Device Integration (FDI®) - Part 103-1: Profiles -
PROFIBUS

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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ICS 25.040.40, 35.100.05

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Field Device Integration (FDI)[®] - Part 103-1: Profiles -
PROFIBUS
(IEC 62769-103-1:2023)

Intégration des appareils de terrain (FDI)[®] - Partie 103-1:
Profils - PROFIBUS
(IEC 62769-103-1:2023)

Feldgeräteintegration (FDI) - Teil 103-1: Profile -
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(IEC 62769-103-1:2023)

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European foreword

The text of document 65E/862/CDV, future edition 3 of IEC 62769-103-1, 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 62769-103-1:2023.

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INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Field Device Integration (FDI)[®] –
Part 103-1: Profiles – PROFIBUS**

**Intégration des appareils de terrain (FDI)[®] –
Partie 103-1: Profils – PROFIBUS**



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INTERNATIONAL STANDARD

NORME INTERNATIONALE



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Part 103-1: Profiles – PROFIBUS**

**Intégration des appareils de terrain (FDI)[®] –
Partie 103-1: Profils – PROFIBUS**

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ICS 25.040.40; 35.100.05

ISBN 978-2-8322-6825-4

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IEC 62769-103-1 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 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 DEVICE_ID to the ProfibusIdentificationType and namespace to Annex A and Annex B;
- b) added mapping from PB standard parameters to PA DIM.

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

Draft	Report on voting
65E/862/CDV	65E/919/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 103-1: Profiles – PROFIBUS

1 Scope

This part of IEC 62769 specifies an FDI^{®1} profile of IEC 62769 for IEC 61784-1_CP 3/1 (PROFIBUS DP)² and IEC 61784-1_CP3/2 (PROFIBUS PA).

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

IEC 62541-100:2015, *OPC Unified Architecture – Part 100: OPC UA for Devices*

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

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

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

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

PI Order No.: 2.122:2008, *Specification for PROFIBUS – Device Description and Device Integration – Volume 1: GSD, V5.1, July 2008: GSD*; available at <www.PROFIBUS.com>

3 Terms, definitions, abbreviated terms and acronyms

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 61784-1, IEC 61804 (all parts), IEC 62541-100, IEC 62769-4, IEC 62769-5, IEC 62769-7 and PI Order No.: 2.122:2008 apply.

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