BS EN IEC 62769-6-100:2023

BSI Standards Publication

Field Device Integration (FDI®)

Part 6-100: Technology Mapping — .Net

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The UK participation in its preparation was entrusted to Technical Committee GEL/65/5, Devices and integration in enterprise systems.

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EN IEC 62769-6-100

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English Version

Field Device Integration (FDI®) - Part 6-100: Technology Mapping - .Net (IEC 62769-6-100:2023)

Intégration des appareils de terrain (FDI®) - Partie 6-100: Mapping de technologies - .Net (IEC 62769-6-100:2023)

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European foreword

The text of document 65E/868/CDV, future edition 1 of IEC 62769-6-100, 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 62769-6-100:2023.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2024-02-19
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-05-19

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In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 61804 (series) NOTE Approved as EN IEC 61804 (series)

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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.cencenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 62769-1	2021	Field Device Integration (FDI) - Part 1: Overview	EN IEC 62769-1	2021
IEC 62769-2	-	Field Device Integration (FDI®) - Part 2: Client	EN IEC 62769-2	-
IEC 62769-4	-	Field Device Integration (FDI®) - Part 4: FDI Packages	EN IEC 62769-4	-
IEC 62769-6	-	Field Device Integration (FDI®) - Part 6: FDI Technology Mappings	EN IEC 62769-6	-

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FIELD DEVICE INTEGRATION (FDI®) –

Part 6-100: Technology Mapping – .NET

FOREWORD

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IEC 62769-6-100 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.

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

Draft	Report on voting
65E/868/CDV	65E/925/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.

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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/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.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under 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
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FIELD DEVICE INTEGRATION (FDI®) –

Part 6-100: Technology Mapping – .NET

1 Scope

This part of IEC 62769 specifies the technology mapping for the concepts described in the Field Device Integration (FDI®[1]) standard. The technology mapping focuses on implementation regarding the components FDI® Client and User Interface Plug-in (UIP) using the Runtime .NET. This runtime is specific only to the WORKSTATION platform as defined in IEC 62769-4.

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 62769-1:2021, *Field device integration (FDI®) – Part 1: Overview*

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

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

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

3 Terms, definitions, abbreviated terms, acronyms and symbols

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 62769-1 as well as the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- IEC Electropedia: available at http://www.electropedia.org/
- ISO Online browsing platform: available at http:www.iso.org/obp

3.1.1
Application Domain
isolated environment where applications execute

3.1.2
Assembly
reusable, version information providing, and self-describing building block of a CLR application

[1] FDI is a registered trademark of the non-profit organization Fieldbus Foundation, Inc. This information is given for the convenience of users of this document and does not constitute an endorsement by IEC of the trademark holder or any of its products. Compliance does not require use of the trade name. Use of the trade name requires permission of the trade name holder.

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