

**Function blocks (FB) for process control -
Part 4: EDD interoperability guideline
(IEC/TR 61804-4:2006)**

Blocs fonction
pour les processus industriels -
Partie 4: Recommandations
pour l'interopérabilité EDD
(CEI/TR 61804-4:2006)

Funktionsbausteine
für die Prozessautomation -
Teil 4: Leitfaden für die Interoperabilität
von EDD-Anwendungen
(IEC/TR 61804-4:2006)

This Technical Report was approved by CENELEC on 2007-04-09.

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CENELEC

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Foreword

The text of the Technical Report IEC/TR 61804-4:2006, prepared by SC 65C, Industrial networks, of IEC TC 65, Industrial-process measurement and control, was submitted to vote and was approved by CENELEC as CLC/TR 61804-4 on 2007-04-09.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the Technical Report IEC/TR 61804-4:2006 was approved by CENELEC as a Technical Report without any modification.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-351	- ¹⁾	International Electrotechnical Vocabulary (IEV) - Part 351: Automatic control	-	-
IEC 61804-2	2006	Function blocks (FB) for process control - Part 2: Specification of FB concept	EN 61804-2	2007
IEC 61804-3	2006	Function blocks (FB) for process control - Part 3: Electronic device description language (EDDL)	EN 61804-3	2007
ISO/IEC 15948	2004	Information technology - Computer graphics and image processing - Portable Network Graphics (PNG) - Functional specification	-	-

¹⁾ Undated reference.

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FUNCTION BLOCKS (FB) FOR PROCESS CONTROL –

Part 4: EDD interoperability guideline

1 Scope

This part of IEC 61804 is a guideline to support EDD interoperability. This Technical Report is intended to ensure that field device developers use the EDDL constructs consistently and that the EDD applications have the same interpretations of the EDD. It supplements the EDDL specification to promote EDDL application interoperability and improve EDD portability between EDDL applications.

2 Normative references

The following referenced documents are indispensable for the application 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 60050-351, *International Electrotechnical Vocabulary (IEV) – Part 351: Automatic control*

IEC 61804-2:2006, *Function blocks (FB) for process control – Part 2: Specification of FB concept*

IEC 61804-3:2006 *Function blocks (FB) for process control – Part 3: Electronic Device Description Language (EDDL)*

ISO/IEC 15948:2004, *Information technology – Computer graphics and image processing – Portable Network Graphics (PNG) – Functional specification*

3 Terms, definitions, abbreviated terms and acronyms

3.1 Terms and definitions

For the purposes of this document, some of the terms and definitions in IEC 60050-351, as well as the following, some of which have been compiled from the referenced documents, apply.

3.1.1

EDD developer

individual or team that develops an EDD

3.1.2

EDD application

software or programmes utilizing the EDD to guide the operation of the application

NOTE These applications include configuration tools, calibrators, instrument management packages, and instrument simulators

3.1.3

end user

individual using the field device and/or the EDDL application