SLOVENSKI STANDARD
SIST EN IEC 61804-4:2020

01-december-2020

Nadomešča:
SIST EN 61804-4:2016

Naprave in združevanje v proizvodne sisteme - Funkcijski bloki (FB) za nadzor procesov in opisni jezik za elektronske naprave (EDDL) - 4. del: Interpretacija EDD (IEC 61804-4:2020)

Devices and integration in enterprise systems - Function blocks (FB) for process control and electronic device description language (EDDL) - Part 4: EDD interpretation (IEC 61804-4:2020)

Funktionsbausteine für die Prozessautomation und elektronische Gerätebeschreibungssprache - Teil 4: Interpretation von Gerätebeschreibungen (IEC 61804-4:2020)

Blocs fonctionnels (FB) pour les procédés industriels et le langage de description électronique de produit (EDDL) - Partie 4: Interprétation EDD (IEC 61804-4:2020)

Ta slovenski standard je istoveten z: **EN IEC 61804-4:2020**

ICS:

25.040.40	Merjenje in krmiljenje industrijskih postopkov	Industrial process measurement and control
35.060	Jeziki, ki se uporabljajo v informacijski tehniki in tehnologiji	Languages used in information technology
35.240.50	Uporabniške rešitve IT v industriji	IT applications in industry

SIST EN IEC 61804-4:2020 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 61804-4

August 2020

ICS 25.040.40; 35.240.50

Supersedes EN 61804-4:2016 and all of its amendments and corrigenda (if any)

English Version

Devices and integration in enterprise systems - Function blocks (FB) for process control and electronic device description language (EDDL) - Part 4: EDD interpretation (IEC 61804-4:2020)

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) - Partie 4: Interprétation EDD (IEC 61804-4:2020)

Funktionsbausteine für die Prozessautomation und elektronische Gerätebeschreibungssprache - Teil 4: Interpretation von Gerätebeschreibungen (IEC 61804-4:2020)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 65E/633/CDV, future edition 2 of IEC 61804-4, 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 61804-4:2020.

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) 2021-04-29
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-07-29

This document supersedes EN 61804-4:2016 and all of its amendments and corrigenda (if any).

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Endorsement notice

The text of the International Standard IEC 61804-4:2020 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 61804-2:2018	NOTE	Harmonized as EN IEC 61804-2:2018 (not modified)
IEC 62769-100[1]	NOTE	Harmonized as EN IEC 62769-100[2]
IEC 62769-115-2	NOTE	Harmonized as EN IEC 62769-115-2[3]

[1] To be published. Stage at the time of publication: IEC AFDIS 62769-100:2020.

[2] To be published. Stage at the time of publication: FprEN IEC 62769-100:2020.

[3] To be published. Stage at the time of publication: FprEN IEC 62769-115-2:2020.

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.cenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 61784-1	-	Industrial communication networks - Profiles Part 1: Fieldbus profiles	EN IEC 61784-1	-
IEC 61784-2	-	Industrial communication networks - Profiles - Part 2: Additional fieldbus profiles for real-time networks based on ISO/IEC/IEEE 8802-3	EN IEC 61784-2	-
IEC 61804-3	-	Devices and integration in enterprise systems - Function blocks (FB) for process control and electronic device description language (EDDL) - Part 3: EDDL syntax and semantics	EN IEC 61804-3	-
IEC 61804-5	-	Devices and intergration in enterprise systems - Function blocks (FB) for process control and electronic device description language (EDDL) - Part 5: EDDL Builtin library	EN IEC 61804-5	-
IEC 62734	-	Industrial networks - Wireless communication network and communication profiles - ISA 100.11a	EN 62734	-
IEC 62769-4[4]	-	Field Device Integration (FDI) - Part 4: FDI Packages	EN 62769-4[5]	-
IEC 62769-7[6]	-	Field Device Integration (FDI) - Part 7: FDI Communication Devices	EN 62769-7[7]	-

[4] To be published. Stage at the time of publication: IEC RFDIS 62769-4:2020.

[5] To be published. Stage at the time of publication: prEN 62769-4:2018.

[6] To be published. Stage at the time of publication: IEC RFDIS 62769-7:2020.

[7] To be published. Stage at the time of publication: prEN 62769-7:2018.

IEC 61804-4

Edition 2.0 2020-06

INTERNATIONAL STANDARD

NORME INTERNATIONALE

colour inside

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

ICS 25.040.40; 35.240.50 ISBN 978-2-8322-8445-2

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DEVICES AND INTEGRATION IN ENTERPRISE SYSTEMS – FUNCTION BLOCKS (FB) FOR PROCESS CONTROL AND ELECTRONIC DEVICE DESCRIPTION LANGUAGE (EDDL) –

Part 4: EDD interpretation

FOREWORD

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International Standard IEC 61804-4 has been prepared by subcommittee 65E: Devices and integration in enterprise systems, of IEC technical committee 65: Industrial-process measurement, control and automation.

This second edition cancels and replaces the first edition published in 2015. This edition constitutes a technical revision.

This edition was developed by merging material from multiple variants of existing EDDL specifications including those from FieldComm Group (Foundation™ Fieldbus[1], HART®[2]), PROFIBUS™[3] Nutzerorganisation e.V. (PNO), and ISA100_Wireless™[4] Compliance Institute (ISA100 WCI). When a profile deviation exists, it is now indicated in the context where the related deviation is found. As a result, the formatting and numbering of this edition may be different from any of the individual specifications from which this edition was derived.

This edition includes the following significant technical changes with respect to the previous edition:

- communication profiles ISA100 and GPE were added;
- description of rules for optimized-column-width layout have been added;
- description of the concatenation of labels and help was added;
- color banding for meter type charts was added.

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

CDV	Report on voting
65E/633/CDV	65E/690/RVC

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 61804 series, published under the general title *Devices and integration in enterprise systems – Function blocks (FB) for process control and Electronic Device Description Language (EDDL)*, can be found on the IEC website.

Future standards in this series will carry the new general title as cited above. Titles of existing standards in this series will be updated at the time of the next edition.

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