

**SLOVENSKI STANDARD**  
**SIST EN IEC 62453-303-1:2010/A1:2018**  
**01-junij-2018**

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**Specifikacija vmesnika orodja procesne naprave - 303-1. del: Integracija komunikacijskih profilov - IEC 61784 CP 3/1 in CP 3/2 - Dopolnilo A1 (IEC 62453-303-1:2009/A1:2016)**

Field device tool (FDT) interface specification - Part 303-1: Communication profile integration - IEC 61784 CP 3/1 and CP 3/2 (IEC 62453-303-1:2009/A1:2016)

Field Device Tool (FDT)-Schnittstellenspezifikation - Teil 303-1: Integration von Kommunikationsprofilen - Kommunikationsprofile (CP) 3/1 und 3/2 nach IEC 61784 (IEC 62453-303-1:2009/A1:2016)

Spécification des interfaces des outils des dispositifs de terrain (FDT) - Partie 303-1: Intégration des profils de communication - CEI 61784 CP 3/1 et CP 3/2 (IEC 62453-303-1:2009/A1:2016)

**Ta slovenski standard je istoveten z: EN IEC 62453-303-1:2009/A1:2018**

**ICS:**

25.040.40	Merjenje in krmiljenje industrijskih postopkov	Industrial process measurement and control
35.240.50	Uporabniške rešitve IT v industriji	IT applications in industry

**SIST EN IEC 62453-303-1:2010/A1:2018 en,fr,de**

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EUROPEAN STANDARD

**EN IEC 62453-303-1:2009/A1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2018

ICS 25.040; 35.100.05; 35.110

English Version

Field device tool (FDT) interface specification - Part 303-1:  
Communication profile integration - IEC 61784 CP 3/1 and CP  
3/2  
(IEC 62453-303-1:2009/A1:2016)

Spécification des interfaces des outils des dispositifs de terrain (FDT) - Partie 303-1: Intégration des profils de communication - CEI 61784 CP 3/1 et CP 3/2 (IEC 62453-303-1:2009/A1:2016)

Field Device Tool (FDT)-Schnittstellenspezifikation - Teil 303-1: Integration von Kommunikationsprofilen - Kommunikationsprofile (CP) 3/1 und 3/2 nach IEC 61784 (IEC 62453-303-1:2009/A1:2016)

This amendment A1 modifies the European Standard EN 62453-303-1:2009; it was approved by CENELEC on 2016-07-27. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



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

**EN IEC 62453-303-1:2009/A1:2018 (E)****European foreword**

The text of document 65E/336/CDV, future edition IEC 62453-303-1:2009/A1, prepared subcommittee 65E: Devices and integration in enterprise systems, of IEC technical committee 65: Industrial-process measurement, control and automation was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62453-303-1:2009/A1:2018.

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) 2018-08-02
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2021-02-02

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

**Endorsement notice**

The text of the International Standard IEC 62453-303-1:2009/A1:2018 was approved by CENELEC as a European Standard without any modification.

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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.cenelec.eu](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
<b><i>In Annex ZA of EN 62453:2009 replace IEC 61158-2 by:</i></b>				

IEC 61158-2:2014, *Industrial communication networks – Fieldbus specifications – Part 2: Physical layer specification and service definition*

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IEC 62453-303-1

Edition 1.0 2016-06

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

AMENDMENT 1  
AMENDEMENT 1

Field device tool (FDT) interface specification –  
Part 303-1: Communication profile integration – IEC 61784 CP 3/1 and CP 3/2  
(standards.iteh.ai)

Spécification des interfaces des outils des dispositifs de terrain (FDT) –  
Partie 303-1: Intégration des profils de communication – IEC 61784 CP 3/1  
et CP 3/2  
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INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
ELECTROTECHNIQUE  
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ICS 25.040.40; 35.100.05; 35.110

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## FOREWORD

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

The text of this amendment is based on the following documents:

CDV	Report on voting
65E/336/CDV	65E/395A/RVC

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

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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## 2 Normative references

Replace the existing undated reference to IEC 61158-2 by the following:

IEC 61158-2:2014, *Industrial communication networks – Fieldbus specifications – Part 2: Physical layer specification and service definition*

## 3.2 Symbols and abbreviated terms

Replace the existing list of abbreviations by the following:

ANSI	American National Standards Institute ( <a href="http://www.ansi.org">http://www.ansi.org</a> )
BIM	Bus Interface Module
BMCP	Bus Master Configuration Part
CFG	Configuration data used during initialization of PROFIBUS slave device
DCS	Distributed Control System
DP	Decentralized Peripherals
EIA	Electronic Industries Alliance
FDL	Fieldbus Data Link layer
FMA	Fieldbus Management layer
FMS	Fieldbus Message Specification
GSD	General Station Description
MBP	Manchester coded Bus Powered IEC 62453-303-1:2010/A1:2018
I&M	Identification and maintenance functions <a href="https://standards.iteh.ai/catalog/standards/sist/e71b5069-63e8-47fc-8ec8-8a1241dc3404/sist-en-iec-62453-303-1-2010-a1-2018">https://standards.iteh.ai/catalog/standards/sist/e71b5069-63e8-47fc-8ec8-8a1241dc3404/sist-en-iec-62453-303-1-2010-a1-2018</a>
PA	Process Automation
PCF	Polymer Clad Fibre
PROFIBUS	Process Field Bus
RS	Radio Sector / Recommended Standard
TIA	Telecommunications Industry Association

### 3.3.2 Vocabulary for requirements

Replace the existing list of vocabulary by the following:

Usage of “shall” or “mandatory”	No exceptions allowed.
Usage of “should” or “recommended”	Strong recommendation. It may make sense in special exceptional cases to differ from the described behaviour.
Usage of “conditional”	Function or behaviour shall be provided, depending on defined conditions.
Usage of “can” or “optional”	Function or behaviour may be provided, depending on defined conditions.