SLOVENSKI STANDARD
SIST EN 62453-301:2010/A1:2018

01-april-2018

Specifikacija vmesnika orodja procesne naprave - 301. del: Integracija komunikacijskih profilov - IEC 61784 CPF 1 - Dodatek A1(IEC 62453-301:2009/A1:2016)

Field device tool (FDT) interface specification - Part 301: Communication profile integration - IEC 61784 CPF 1 (IEC 62453-301:2009/A1:2016)

Field Device Tool (FDT)-Schnittstellenspezifikation - Teil 301: Integration von Kommunikationsprofilen - Kommunikationsprofilfamilie (CPF) 1 nach IEC 61784 (IEC 62453-301:2009/A1:2016)

Spécification des interfaces des outils des dispositifs de terrain (FDT) - Partie 301: Intégration des profils de communication - CEI 61784 CPF 1 (IEC 62453-301:2009/A1:2016)

Ta slovenski standard je istoveten z: **EN 62453-301:2009/A1:2017**

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

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

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ICS 25.040.40; 35.100.05; 35.110

English Version

Field device tool (FDT) interface specification - Part 301: Communication profile integration - IEC 61784 CPF 1 (IEC 62453-301:2009/A1:2016)

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Field Device Tool (FDT)-Schnittstellenspezifikation - Teil 301: Integration von Kommunikationsprofilen - Kommunikationsprofilfamilie (CPF) 1 nach IEC 61784 (IEC 62453-301:2009/A1:2016)

This amendment A1 modifies the European Standard EN 62453-301:2009; it was approved by CENELEC on 2017-06-17. 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.

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

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European foreword

The text of document 65E/336/CDV, future IEC 62453-301:2009/A1, prepared by 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 62453-301:2009/A1:2017.

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)	2018-06-22
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2020-12-22

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Endorsement notice

The text of the International Standard IEC 62453-301:2009/A1:2016 was approved by CENELEC as a European Standard without any modification.

IEC 62453-301

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

Field device tool (FDT) interface specification – Part 301: Communication profile integration – IEC 61784 CPF 1

Spécification des interfaces des outils des dispositifs de terrain (FDT) – Partie 301: Intégration des profils de communication – IEC 61784 CPF 1

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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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.

5 Bus category

Add, after Table 3, the following new text and tables:.

FF protocols are using the following unique identifiers in physicalLayer members within PhysicalLayer data type (Table 35 for H1):

Table 35 – Physical layer identifiers for H1

Identifier value	Name	Description
0D8FB517-1D8D-4455-9CE1-1B4A5DD4A0D2	FF H1	FOUNDATION Fieldbus™ H1 physical layer, as described in “FF 816 - 31,25 kbit/s Physical Layer”

Table 36 defines which DataLinkLayer shall be used in combination with the BusCategory values defined in Table 3.

Table 36 – DataLink Layer Identifiers

Identifier value	Name	Description
63D4C62E-91A9-4904-BCFC-3D3479C2EBAD	FDL	FF - 822 H1 Data Link Protocol and FF – 821 H1 Data Link Services