PD CLC/TR 62453-51-32:2019

BSI Standards Publication

Field device tool (FDT) interface specification

Part 51-32: Communication implementation for common object model - IEC 61784 CP 3/4, CP 3/5 and CP 3/6

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National foreword

This Published Document is the UK implementation of CLC/TR 62453-51-32:2019. It is identical to IEC TR 62453-51-32:2017. It supersedes PD CLC/TR 62453-503-2:2009, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee GEL/65/3, Industrial communications: process measurement and control, including fieldbus.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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English Version

Field device tool (FDT) interface specification - Part 51-32: Communication implementation for common object model - IEC 61784 CP 3/4, CP 3/5 and CP 3/6 (IEC/TR 62453-51-32:2017)

Spécification des interfaces des outils des dispositifs de terrain (FDT) - Partie 51-32: Mise en œuvre d'un profil de communication pour le modèle d'objet commun - CP 3/4, CP 3/5 et CP 3/6 de l'IEC 61784 (IEC/TR 62453-51-32:2017)

Field Device Tool (FDT)-Schnittstellenspezifikation - Teil 51-32: Kommunikationsimplementierung mit dem allgemeinen Objektmodell (COM) - Kommunikationsprofilfamilie (CPF) 3/4, 3/5 und 3/6 nach IEC 61784 (IEC/TR 62453-51-32:2017)

This Technical Report was approved by CENELEC on 2019-01-07.

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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

This document (CLC/TR 62453-51-32:2019) consists of the text of the IEC/TR 62453-51-32:2017 prepared by IEC/TC 65 "Industrial-process measurement, control and automation".

Endorsement notice

The text of the International Standard IEC TR 62453-51-32:2017 was approved by CENELEC as a European Standard without any modification.

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

IEC 61784-2 NOTE Harmonized as EN 61784-2.

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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 When 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	2014	Industrial communication networks - Profiles - Part 1: Fieldbus profiles	EN 61784-1	2014
IEC 62453-1	2016	Field device tool (FDT) interface specification - Part 1: Overview and guidance	EN 62453-1	2017
IEC 62453-2	2016	Field device tool (FDT) interface specification - Part 2: Concepts and detailed description	EN 62453-2	2017
IEC TR 62453-41	2016	Field device tool (FDT) interface specification - Part 41: Object model integration profile - Common object model	-	-
IEC 62453-302-2 +A1	2009 2016	Field device tool (FDT) interface specification - Part 303-2: Communication profile integration - IEC 61784 CP 3/4, CP 3/5 and CP 3/6	EN 62453-302-2 +A1	2009 2018

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CONTENTS

FOREWORD 3
INTRODUCTION 5
1 Scope 6
2 Normative references 6
3 Terms, definitions, symbols, abbreviated terms and conventions 6
3.1 Terms and definitions 6
3.2 Symbols and abbreviated terms 7
3.3 Conventions 7
3.3.1 Data type names and references to data types 7
3.3.2 Vocabulary for requirements 7
4 Bus category 7
5 Access to instance and device data 7
6 Protocol specific usage of general data types 7
7 Network management data types 8
7.1 General 8
7.2 PNIO device address 8
7.3 Bus configuration – FDTProfinetIOParameterSchema 8
8 Communication data types – FDTProfinetIOCommunicationSchema 11
9 Channel parameter data types – FDTProfinetIOChannelParameterSchema 13
10 Device identification 14
10.1 Device type identification data types – FDTProfinetIOIdentSchema 14
10.2 Topology scan data types – DTMProfinetIODeviceSchema 14
10.3 Scan identification data types – FDTProfinetIOScanIdentSchema 15
10.4 Device type identification data types – FDTProfinetIODeviceIdentSchema 16
10.5 XSLT Transformation 17
Bibliography 24

Figure 1 – Part 51-32 of the IEC 62453 series 5

Table 1 – Protocol specific usage of general data types 8

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIELD DEVICE TOOL (FDT) INTERFACE SPECIFICATION –

Part 51-32: Communication implementation for common object model – IEC 61784 CP 3/4, CP 3/5 and CP 3/6

FOREWORD

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IEC TR 62453-51-32 which is a technical report, has been prepared by subcommittee 65E: Devices and integration in enterprise systems, of IEC technical committee 65: Industrial-process management, control and automation.

This document cancels and replaces IEC TR 62453-503-2 published in 2009. This edition constitutes a technical revision. The main change consists of an important correction for the FDTProfinetIOCommunicationSchema.

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Each part of the IEC 62453-51-xy series is intended to be read in conjunction with its corresponding part in the IEC 62453-3xy series. This document corresponds to IEC 62453-303-2.

The text of this technical report is based on the following documents:

Enquiry draft	Report on voting
65E/440/DTR	65E/514/RVC

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

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

The list of all parts of the IEC 62453 series, under the general title *Field device tool (FDT) interface specification*, 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 "http://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
- amended.

A bilingual version of this publication may be issued at a later date.

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