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GB/T 29618.62-2017

Field device tool (FDT) interface specification -- Part 62: Field device tool (FDT) style guide

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Foreword

GB/T 29618 "Field Device Tool (FDT) Interface Specification" is divided into the following sections.

--- Part 1. Overview and guidelines;

--- Part 2. Concept and detailed description;

--- Part 301. Communication profile integrated FF field bus specification;

--- Part 302. Communication rules integrated universal industrial agreement;

--- Part 306. Communication rules integrated INTERBUS fieldbus specification;

--- Part 309. Communication profile integrated addressable remote sensor high-speed channel;

--- Part 315. Communication line regulation integrated MODBUS field bus specification;

--- Part 41. Object model lineage integration common object model;

--- Part 42. Object model rules integrated common language infrastructure;

--- Part 515. Common object model of communication to achieve MODBUS field bus specification

--- Part 51-10. Common Object Model Communication to achieve FF Fieldbus Specification;

--- Part 51-20. Common object model of communication to achieve universal industrial agreement;

Part 51-60. General object model communication to achieve INTERBUS fieldbus specification;

--- Part 51-90. Common object model of communication to achieve IEC 61784CPF9;

--- Part 51-150. Common object model of communication to achieve IEC 61784CPF15;

--- Part 52-10. General language infrastructure to achieve communication FF fieldbus specification;

--- Part 52-20. Common language infrastructure to achieve universal industrial communication protocol;

--- Part 52-31. Communication of the common language infrastructure IEC 61784CP3/1 and CP3/2;

--- Part 52-32. Communication of common language infrastructure IEC 61784CP3/4, CP3/5 and CP3/6;

--- Part 52-90. Communication of common language infrastructure IEC 61784CPF9;

--- Part 52-150 of the General Language Infrastructure Communication IEC 61784CPF15;

--- Part 61. Generic object model device type manager style guide;

--- Part 62. Field Device Tool (FDT) style guide.

This section GB/T 29618 Part 62.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses the translation method identical with IEC /T R62453-62.2017 "Field Device Tool (FDT) Interface Specification Part 62.

Field Device Tool (FDT) Style Guide based on Common Language Architecture. "

The documents of our country that are consistent with the corresponding international documents that are normative references in this section are as follows.

--- GB/T 29618.1-2017 Field Device Tool (FDT) Interface Specification Part 1. Overview and Guidelines (IEC 62453-1.

2016, IDT);

--- GB/T 29618.2-2017 Field Device Tool (FDT) Interface Specification Part 2. Concept and detailed description

(IEC 62453-2.2016, IDT);

--- GB/T 29618.42-2017 Field Device Tools (FDT) Interface Specifications Object Model Lineage Integration Common Language Fundamentals

Structure (IEC /T R62453-42.2016, IDT).

This part is proposed by China Machinery Industry Federation.

This part of the National Industrial Process Measurement and Control Standardization Technical Committee (SAC/TC124) centralized.

This part of the drafting unit. Southwest University, Institute of Mechanical Industry Instrumentation Technology Economy, Rockwell Automation (China) Limited

Company, Shanghai Automation Instrumentation Co., Ltd., Zhejiang University Institute of Intelligent Systems and Control, Hey (Shanghai) Automation System Trading Co., Ltd.

Company, Schneider Electric (China) Co., Ltd., Chongqing Chuan Yi Automation Co., Ltd., Suzhou Mei Ming Software Co., Ltd.

Introduction

This section is about the design specifications for the DTM user interface for features and number control in the client/server architecture

According to visit FDT (FieldDeviceTool) component developers. This part is to develop the standard interface, analyze and design the result of the course,

These interfaces are designed to facilitate seamless interoperability between components developed by multiple manufacturers. To help multiple suppliers to develop each other

Seamlessly integrated modules, this part of the analysis, design and development of a standard interface.

The DTM (Device Type Manager, DeviceTypeManger) is a software component of a particular device that is sent by the device manufacturer to the DTM

Software and equipment are provided to users. The DTM is integrated into the engineering tools via the FDT interface as defined in this specification. Often, the episode

The approach is open to all fieldbuses and therefore meets the requirement to integrate different types of devices in heterogeneous control systems.

In order to ensure consistent plant-wide control and automation technology management, in the automation of the entire life cycle, the field bus, equipment and

Subsystem for a wide range of seamless, comprehensive integration is necessary. This integration also requires uniform device-specific components

Appearance and style.

This section GB/T 29618 in the structure shown in Figure 1.

Figure 1 This section GB/T 29618 in the structure

Field Device Tool (FDT) Interface Specification

Part 62. Field Device Tool (FDT) style guides

1 Scope

This part of GB/T 29618 explains how to implement DTM based on CLI (Universal Language Architecture) and related to user interface and behavior

Guidelines and guidelines for the framework application section. These guidelines and guidelines are part of the FDT specification (GB/T 29618.42)

There are users who provide clear, consistent user interface features and features among the system's DTMs.

This section does not include the FDT specification itself, nor does it modify it.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

IEC 62453-1 Field Device Tool (FDT) Interface Specifications Part 1. Overview and Guidelines [Fielddeivcetool (FDT) in-

terfacespecification-Part 1.Overviewandguidance]

IEC 62453-2 Field Device Tool (FDT) Interface Specifications Part 2. Concepts and Detailed Description [Fielddeivcetool

(FDT) interfacespecification-Part 2.Conceptsanddetaileddescription]

IEC /T R62453-42 Field Device Tool (FDT) Interface Specification Part 42. Object Model Profile Integration Common Language Base

Infrastructure [Fielddeivcetool (FDT) interfacespecification-Part 42.Objectmodelintegrationprofile-

CommonLanguageInfrastructure]

3.1 Terms and definitions

IEC 62453-1, IEC 62453-2 and references [7] as defined in the following terms and definitions apply to this document.

3.1.1

Application application

DTM user interface application and DTM user interface features.