Field Device tool (FDT) interface specification -

Part 1: Overview and guidance

1 Scope

This part of ~~IEC~~ ISA-62453 presents an overview and guidance for the ~~IEC~~ ISA-62453 series. It

- explains the structure and content of the ~~IEC~~ ISA-62453 series (see Clause 5);
- provides explanations of some aspects of the ~~IEC~~ ISA-62453 series that are common to many of the parts of the series;
- describes the relationship to some other standards.

2 Normative references

The following referenced documents are indispensable for the application 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.

IEC 61158 (all parts)*, Industrial communication networks – Fieldbus specifications*

IEC 61784 (all parts), *Industrial communication networks – Profiles*

ISO/IEC 19501:2005, *Information technology – Open Distributed Processing – Unified Modeling Language (UML)* Version 1.4.2

3 Terms, definitions, symbols, abbreviations and conventions

For the purposes of this document the following terms, definitions and abbreviations apply.

3.1 Terms and definitions

3.1.1
actor
coherent set of roles that users ~~of use cases~~ play when interacting with these use cases [based on ISO/IEC 19501]

NOTE An actor has one role for each use case with which it communicates.

3.1.2
address
communication protocol specific access identifier

3.1.3
application
software functional unit that is specific to the solution of a problem in industrial-process measurement and control