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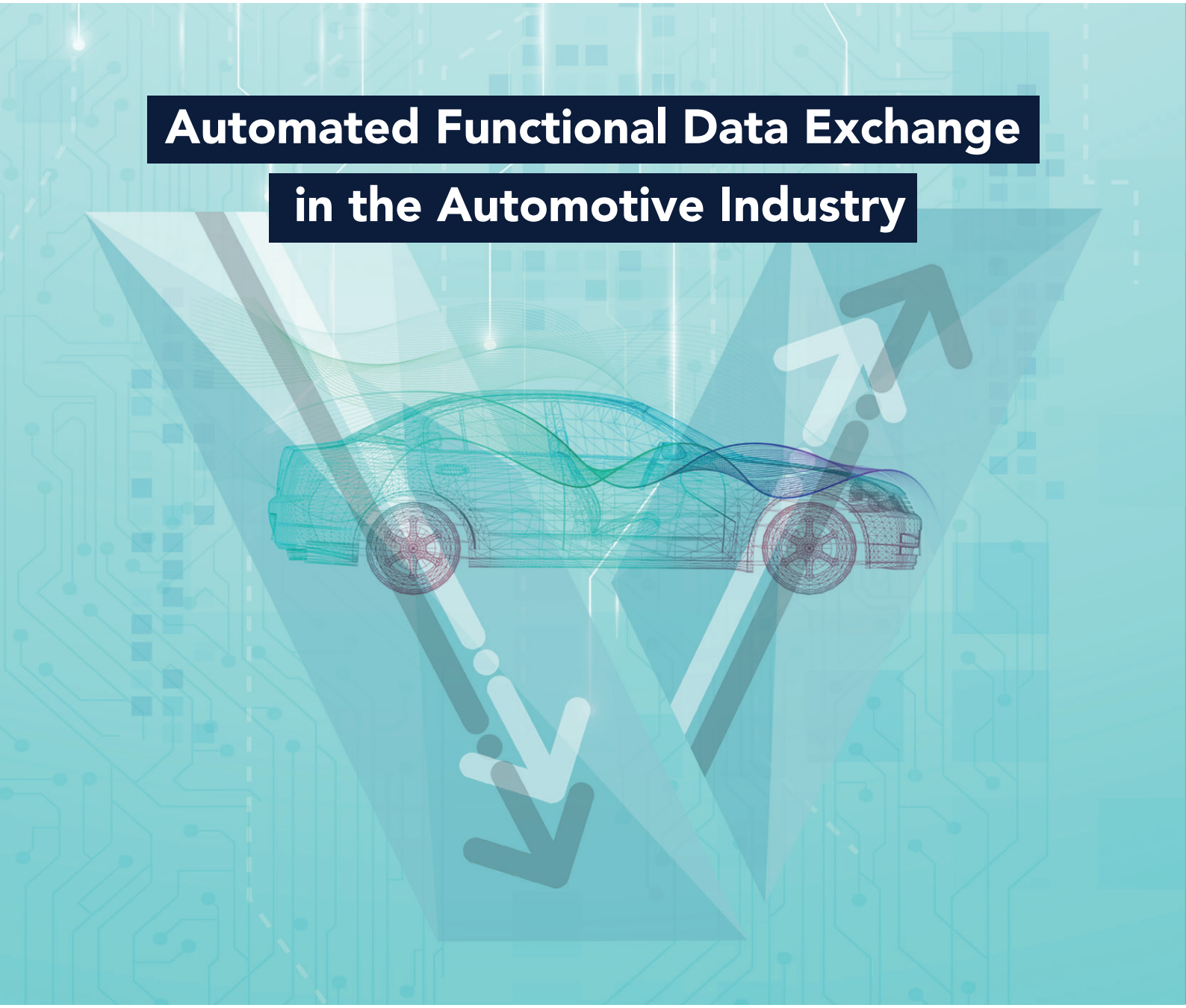
VDA Verband der Automobilindustrie

Automated Functional Data Exchange in the Automotive Industry



prostep ivip PSI 20/VDA 5550 Recommendation V1.1

Automated Functional Data Exchange in the Automotive Industry

FDX Working Group

Abstract

This prostep ivip / VDA Recommendation has been devised by the FDX Working Group. It defines a standardized format for machine-readable specifications of a data model/format for the exchange of functional data (e.g. arrays of characteristics, single characteristics, parameters) between OEMs and suppliers, in order to enable the parties to exchange highly structured data. This recommendation aims at facilitating consistent and efficient implementation of these processes in the automotive industry.

Objectives:

- Harmonization of exchange of functional data between OEMs and suppliers.
- Improved quality and availability of functional data for CAE/simulation purposes
- Elimination of discrepancies in functional data between ordered and delivered data
- Greater automation in data generation, exchange and processing

Note re. version 1.1.0
This prostep ivip / VDA Recommendation defines the FDX format. This version of the document describes the standardized rules for the development of compatible software tools. At the moment there are a number of development projects for specialized software tools that support the FDX data format in progress. After completion of a reference implementation, the required technical artefacts as well as parts 2 and 3-1 to 3-n will be added to this prostep ivip / VDA Recommendation in order to facilitate its practical implementation. In the course of the implementation of the software tool(s), it might become necessary to provide some clarifications regarding this document, which will be published as the need arises.

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Table of Contents

1 Introduction 2
- 1.1 Background 2
- 1.2 Application 2
- 1.3 Objective 2
- 1.4 Disclaimer 3
- 1.5 The FDX Data format 3

2 About this recommendation 4

3 Fields of application 5
- 3.1 Use case application administrator: Customizing FA master (for component-specific additions) 7
- 3.2 Use case application administrator: Defining and editing FA-FDX for component 8
- 3.3 Use case application administrator: Instantiating and editing FA-OEM for component 9
- 3.4 Use case data requester: Creating, completing and transmitting order 10
- 3.5 Use case data supplier: Receiving, examining and accepting order 11
- 3.6 Use case data supplier: Entering, finalizing and submitting data 12
- 3.7 Use case data user: Storage of test data in ATFX format at OEM or supplier 13
- 3.8 Content and structure of functional data exchange file (example) 14
  - 3.8.1 Structure and attribute categories 14
  - 3.8.2 Measurement order 18
  - 3.8.3 Order meta data and component-specific additional information 18
  - 3.8.4 Dataset meta data 20
  - 3.8.5 Unit under test 21
  - 3.8.6 Test equipment setup 22
  - 3.8.7 Test equipment parameters 23
  - 3.8.8 Functional data 26
  - 3.8.9 Derived characteristic values 27

4 Technical Basis 28
- 4.1 Steps from technical specification to description in ATFX exchange format 28
- 4.2 ASAM ODS 30
  - 4.2.1 ASAM ODS base model 30
  - 4.2.2 Application models 31
  - 4.2.3 ASAM ODS ATFX data exchange format 33
  - 4.2.4 More information on ASAM ODS and ATFX 33
- 4.3 openMDM 33
  - 4.3.1 openMDM4 standard 33
  - 4.3.2 Extensions to and deviations from the openMDM4 datamodel 33
  - 4.3.3 More information on openMDM base standard 34
- 4.4 prostep ivip / VDA FDX extensions of openMDM4 and ASAM ODS 34
  - 4.4.1 Extensions of openMDM application model 34
  - 4.4.2 Relationship between ASAM ODS base model, openMDM application model and prostep ivip / VDA FDX application model - example of rubber mount 34

5 Structure of FDX functional data exchange file 35
- 5.1 Functional data exchange file as template (.fdtc) 35
- 5.2 Functional data exchange file as FDX file (.fdxc) 36
- 5.3 ATFX file (.atfx) 36
- 5.4 Referenced files 37
- 5.5 Validation certificate 37

Table of Contents

6 Minimum requirements for data exchange 38
6.1 Data security 38
6.2 Data exchange 38

7 Normative references 39

8 Appendix 40
8.1 Appendix A: Terms and definitions 40
8.2 Appendix B: openMDM application model 42
8.3 Appendix C: Extension of openMDM application with rules; including an extension that allows for the distinction between mandatory and optional attributes in the order files 43 46
8.4 Appendix D: Relationship between ASAM ODS base model, openMDM application model and prostep ivip / VDA FDX application model - example of rubber mount 51
8.5 Appendix E: Components of application elements UnitUnderTest, TestSequence and TestEquipment and their relationship with categories of the prostep ivip / VDA FDX application model
8.6 Appendix F: Model-driven aspects of openMDM application model 57
8.7 Appendix G: Representation of model-driven aspects of openMDM4 application model in ATFX 68
8.8 Appendix H: XML schema of ASAM ATFX data exchange format 70
8.9 Appendix I: Conventions for UML diagrams and associated texts 75

Figures

Figure 2-1 Structure of prostep ivip / VDA Recommendation 5

Figure 3-1 Main roles in the use of the FDX data exchange format 5

Figure 3-2 Use case "Customizing FA master" 6

Figure 3-3 Use case "Customizing FA master" 7

Figure 3-4 Use case "Defining and editing FA-FDX for component" 8

Figure 3-5 Use case "Instantiating and editing FA-OEM for component" 9

Figure 3-6 Use case "Creating, finalizing and transmitting order" 10

Figure 3-7 Use case "Receiving, examining and accepting order" 11

Figure 3-8 Use case "Entering, finalizing and submitting data" 12

Figure 3-9 Excerpt from main category "Test equipment parameters" with various subcategories and attributes 14

Figure 3-10 Structure of applicable application model 15

Figure 3-11 Functional data exchange file: main categories, subcategories and contents 16

Figure 3-12	Examples of attributes, value ranges, block rules and simple rules	17
Figure 3-13	Main category "Measurement order" with associated attributes and sample content	18
Figure 3-14	Excerpt from main category "Order meta data" with associated attributes and sample content	19
Figure 3-15	Excerpt from main category "Component-specific additional information" with associated attributes and sample content	19
Figure 3-16	Main category "Dataset meta data" with associated attributes and sample content	20
Figure 3-17	Main category "Unit under test" with associated attributes and sample content	21
Figure 3-18	Main category "Test equipment setup" with associated attributes and sample content	22
Figure 3-19	Subcategory "Test type" with associated attributes and sample content	23
Figure 3-20	Subcategory "Measurement" with associated attributes and sample content	24
Figure 3-21	Subcategory "Test type" with associated attributes and sample content	25
Figure 3-22	Main category "Functional data" with associated attributes and sample content	26
Figure 3-23	Main category "Derived characteristic values" with associated attributes and sample content	27
Figure 4-1	Relationship of objects and representation rules	28
Figure 4-2	Relationship between ASAM ODS, openMDM and FDX (levels 1 and 2)	29
Figure 4-3	ASAM ODS base model	31
Figure 4-4	Excerpt from an application model and the associated part of the base model	32
Figure 5-1	Components of FDX exchange format	35
Figure 5-2	Structure of ATFX file	36
Figure 5-3	Data enrichment in ATFX file	37
Figure 8-1	prostep ivip / VDA FDX modifications to openMDM4 application model	44
Figure 8-2	Relationship between ASAM ODS base model, openMDM application model and prostep ivip / VDA FDX application model - example of rubber mount (overview)	47
Figure 8-3	Valid components of application element UnitUnderTest for rubber mount (example)	51
Figure 8-4	Relationships between main categories and subcategories of prostep ivip / VDA FDX data model and components of application element UnitUnderTest in prostep ivip / VDA FDX application model - example of rubber mount	52
Figure 8-5	Attributes of application element MeasurementOrder and possible values	52

Figure 8-6	Valid components of application element TestSequence for rubber mount (example)	53
Figure 8-7	Relationships between main categories and subcategories of prostep ivip / VDA FDX data model and components of application element TestSequence in openMDM application model - example of rubber mount	54
Figure 8-8	Attributes of application element MeasurementType and possible values	55
Figure 8-9	Valid components of application element TestEquipment for rubber mount (example)	55
Figure 8-10	Relationships between main categories and subcategories of prostep ivip / VDA FDX data model and components of application element TestEquipment in openMDM application model - example of rubber mount	56
Figure 8-11	Attributes of application elements DataOrigin, MeasurementSensors and Sensors and possible values	57
Figure 8-12	Model-driven aspects of openMDM application model and use of templates and catalogues in connection with the ASAM ODS base model and the prostep ivip / VDA FDX application model - example of rubber mount	59
Figure 8-13	Scenario for representation of prostep ivip / VDA FDX data model by prostep ivip / VDA FDX application model	65
Figure 8-14	Scenario of a specific openMDM application model - example of rubber mount	66
Figure 8-15	Model-driven aspects of openMDM application model	68
Figure 8-16	Excerpt from application_element section of an ATFX exchange file; example of prostep ivip / VDA FDX application model for the rubber mount, for application element UnitUnderTest	71
Figure 8-17	Excerpt from application_element section of an ATFX exchange file; example of prostep ivip / VDA FDX application model for rubber the mount, for application element MeasurementOrder	72
Figure 8-18	Excerpt from instance_data section of an ATFX exchange file; example of prostep ivip / VDA FDX application model for the rubber mount, for application element UnitUnderTest	73
Figure 8-19	Excerpt from instance_data section of an ATFX exchange file; example of prostep ivip / VDA FDX application model for the rubber mount, for application element MeasurementOrder	73
Figure 8-20	Excerpt from instance_data section of an ATFX exchange file; example of prostep ivip / VDA FDX application model for the rubber mount, for application element UnitUnderTest	74
Figure 8-21	Excerpt from instance_data section of an ATFX exchange file; example of prostep ivip / VDA FDX application model for the rubber mount, for application element MeasurementOrder	74

Tables

Table 2-1	Relevance of chapters for different reader groups	4
Table 3-1	Use case application administrator: "Creating and editing FA master"	7
Table 3-2	Use case "Defining and editing FA-FDX for component"	8
Table 3-3	Use case "Instantiating and editing FA-OEM"	10
Table 3-4	Use case data requester: Creating, finalizing and transmitting order	11
Table 3-5	Use case data supplier: Receiving, examing and accepting order	12
Table 3-6	Use case data supplier: Entering, finalizing and submitting data	13
Table 3-7	Use case data user: Storage of testing data in ATFX format at OEM or supplier	13
Table 8-1	Application elements Sensors, MeaQuantity, Quantity, Unit and PhysDimension for static force-displacement characteristic curve (CurveForceDisplacementStatic) measuring program for rubber mount	50
Table 8-2	Testing scenario with templates and catalogues for a measurement order - example of rubber mount	60