

# Release Presentation

P2013-01\_CAT/ Maintenance, 5.3.1

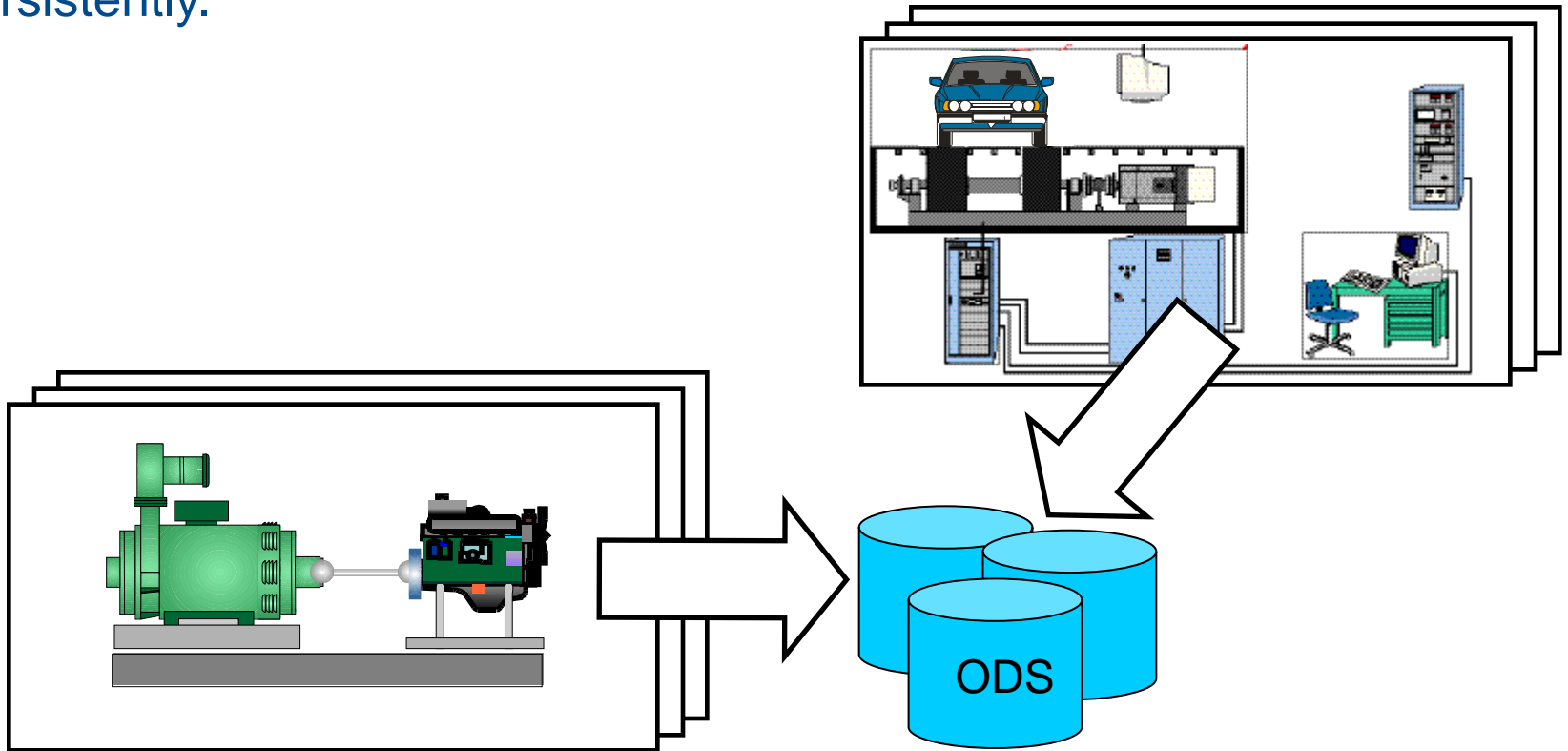
ASAM ODS Version 5.3.1

Release Date: 2015 / 02 / 28

# Introduction

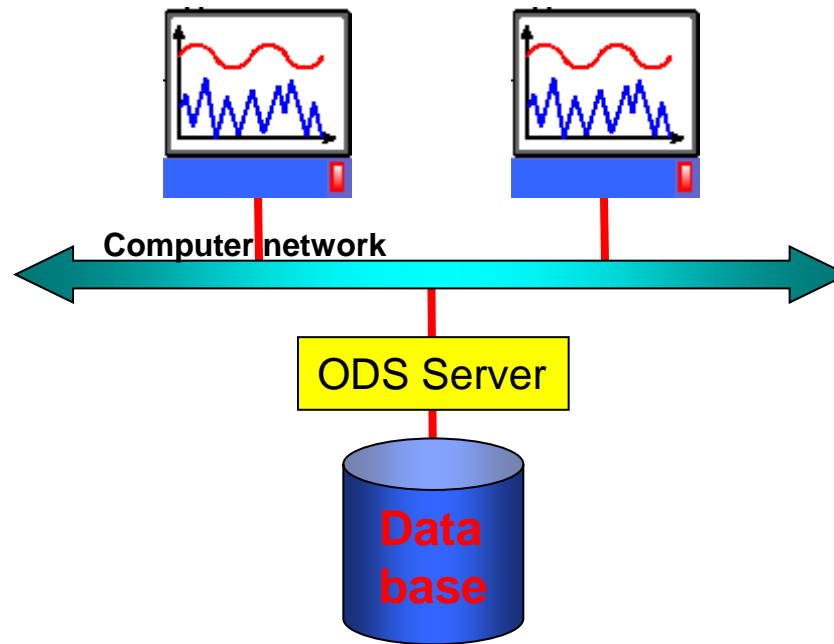
## ASAM ODS 5.3.1

- ▶ ASAM ODS is intended to define a standard for archiving test result data persistently.



# ASAM ODS 5.3.1

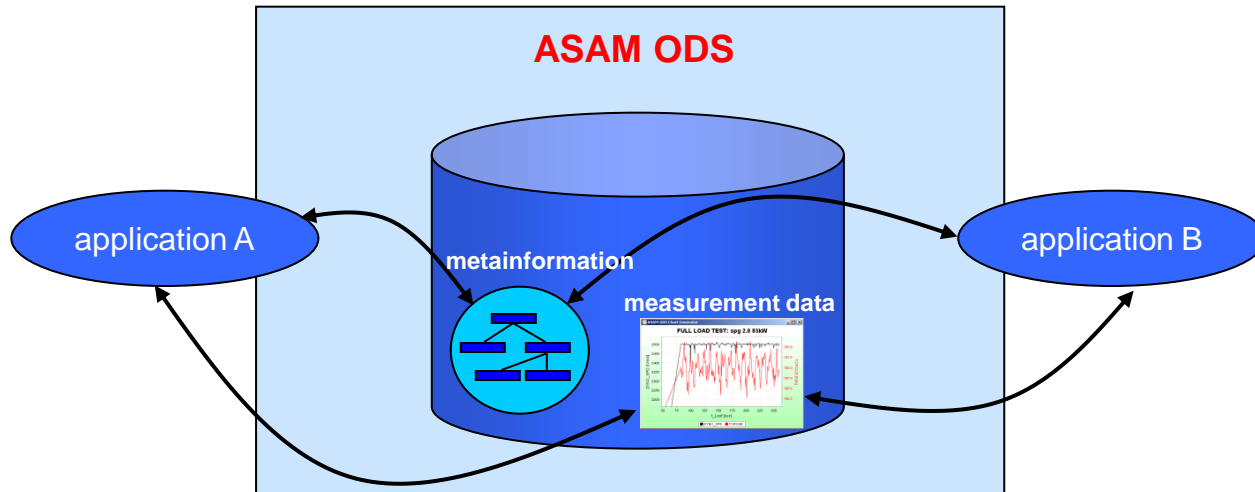
- ▶ ASAM ODS defines an Application Programming Interface for a server. The server is a front end to a traditional database.
- ▶ The server is accessible via a TCP/IP computer network.



# ASAM ODS 5.3.1

ASAM ODS defines

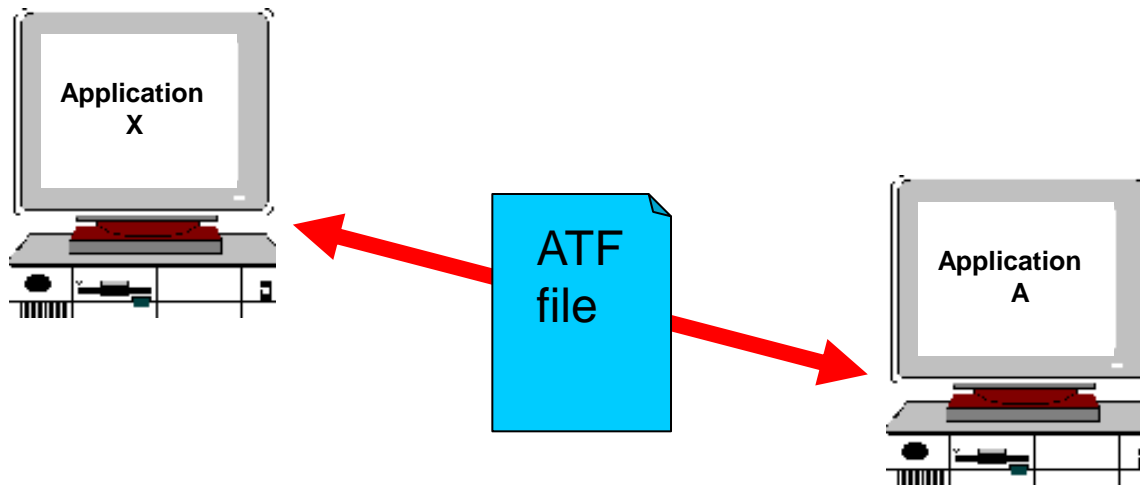
- ▶ a Basic Data Model which can be mapped to customer specific applications (engine test, brake test, engine calibration, ... etc.)
- ▶ a Meta Data Model enabling a client application to navigate through domain specific or application specific data structures



# ASAM ODS 5.3.1

ASAM ODS defines

- ▶ a file format for the exchange of test result data



# ASAM ODS 5.3.1

## ASAM ODS

- ▶ defines data models for dedicated applications like
  - NVH data
  - Test stand calibration data
  - VSIM (crash test data model, provided by ISO)
  - Workflows
  - Geometry data
  - Bus data
  
- ▶ supports gateways to foreign data formats

# Deliverables

- ▶ Updated specification, provided as working set of documents
- ▶ Appendix including related documents
- ▶ CORBA API description as idl file and RPC description as x file
- ▶ Basic Data Model as step-express file
  - ▶ **New: XML-Files describing the ODS Base Model**
- ▶ XML Schema files
- ▶ Example ATFX-Files
- ▶ This Release Presentation

# Deliverables

## Specification

The following documents are technical references for ASAM ODS Version 5.3.1:

- ▶ [ASAM\\_CAT\\_ODS\\_BS-01-14\\_Introduction\\_V5-3-1.pdf](#)
- ▶ [ASAM\\_CAT\\_ODS\\_BS-02-14\\_RelToOthers\\_V5-3-1.pdf](#)
- ▶ [ASAM\\_CAT\\_ODS\\_BS-03-14\\_Architecture\\_V5-3-1.pdf](#)
- ▶ [ASAM\\_CAT\\_ODS\\_BS-04-14\\_Base\\_Model\\_V5-3-1.pdf](#) (Describing ASAM ODS Base Model 32)
- ▶ [ASAM\\_CAT\\_ODS\\_BS-05-14\\_OO\\_API\\_V5-3-1.pdf](#)
- ▶ [ASAM\\_CAT\\_ODS\\_BS-06-14\\_RPC\\_API\\_V5-3-1.pdf](#) (Describing RPC Interface Version 3.2.1)
- ▶ [ASAM\\_CAT\\_ODS\\_BS-07-14\\_ATF\\_XML\\_V5-3-1.pdf](#)
- ▶ [ASAM\\_CAT\\_ODS\\_BS-08-14\\_ATF\\_CLA\\_V5-3-1.pdf](#)
- ▶ [ASAM\\_CAT\\_ODS\\_BS-09-14\\_Physical\\_Storage\\_V5-3-1.pdf](#)
- ▶ [ASAM\\_CAT\\_ODS\\_BS-10-14\\_Mime\\_Types\\_V5-3-1.pdf](#)
- ▶ [ASAM\\_CAT\\_ODS\\_BS-11-14\\_TermsDefinitions\\_V5-3-1.pdf](#)
- ▶ [ASAM\\_CAT\\_ODS\\_BS-12-14\\_SymbolsAbbrev\\_V5-3-1.pdf](#)
- ▶ [ASAM\\_CAT\\_ODS\\_BS-13-14\\_Bibliography\\_V5-3-1.pdf](#)
- ▶ [ASAM\\_CAT\\_ODS\\_BS-14-14\\_Appendices\\_V5-3-1.pdf](#)



# Deliverables

## Specification

The following documents are Associate Standards for ASAM ODS Version 5.3.1:

- ▶ [ASAM\\_CAT\\_ODS\\_AS-01-1\\_BusData\\_V1-0-0.pdf](#)
- ▶ [ASAM\\_CAT\\_ODS\\_AS-01-1\\_Calibration\\_V1-1-1.pdf](#)
- ▶ [ASAM\\_CAT\\_ODS\\_AS-01-1\\_Geometry\\_V1-0-0.pdf](#)
- ▶ [ASAM\\_CAT\\_ODS\\_AS-01-1\\_NVH-Model\\_V1-5-2.pdf](#)
- ▶ [ASAM\\_CAT\\_ODS\\_AS-01-1\\_WorkFlow\\_V1-0-0.pdf](#)

# Deliverables

## Additional Files

### Basic Data Model as step-express file

- ▶ `asam32.exp`

### Basic Data Model as XML- files

- ▶ `ODSBaseModel_asam32.xml`
- ▶ `ODSBaseModelAbstract_asam32.xml`

### XML Schema

- ▶ `ASAM_HDTypes.xsd`
- ▶ `Schema.xsd`
- ▶ `HelperSchema.xsd`

### Description of RPC API

- ▶ `aods.x`

### Description of CORBA API

- ▶ `ods531.idl`

### Example ATF Files

- ▶ `Example_ATF_CLA.atf`
- ▶ `Example_AllTypes.atfx`
- ▶ `Example_Geometry.atfx`
- ▶ `Example_Bus.atfx`
- ▶ `Example_Bus_with_index.atfx`
- ▶ `Example_Workflow.atfx`

### Example Query Code

- ▶ `ExampleQueryCode.pdf`
- ▶ `AppElemAccessExampleAbstract.java`
- ▶ `GetInstancesExt.java`

# Marketing

The ASAM marketing will improved by

- ▶ New document structure
- ▶ Standard ASAM document format style
- ▶ Description of ODS Base Model in XML
- ▶ Sample Code for Queries in Java

# What's New?

## ASAM ODS 5.3.1 versus 5.3.0

- ▶ **New Document Structure**
  - The arrangement of the chapters has been changed
  - No dummy chapter any more
- ▶ **New Document Style**
  - The format has been adapted to the official ASAM document style
- ▶ **65 Correction Requests have been solved**
  - See document ODS\_RevHistory\_5\_3\_1.pdf
- ▶ **Description of the ODS Basemodel in XML**
  - ODSBaseModel\_asam32.xml
  - ODSBaseModelAbstract\_asam32.xml

# What's New?

## ASAM ODS 5.3.1 versus 5.3.0

### ▶ New Appendices

- Appendix: B. BASE MODEL SPECIFICATION IN XML  
This appendix describes the schema of the delivered XML base model files.
- Appendix: C. APPLICATION MODEL DEFINITION USING UML  
A guidance for describing ODS Application Models in UML is given.

### ▶ New / Corrected ATRX sample files

- The atrx sample files have been reworked. Bugs have been corrected and new files have been added.

### ▶ Java sample code for Queries

- Two examples for queries are provided as Java code snippets

# Compatibility

## ASAM ODS 5.3.1 versus 5.3.0

- ▶ ASAM ODS 5.3.1 is fully compatible with the previous ODS 5.3.0 standard