



New ASAM Projects

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Areas of Standardization



Development of Existing Standards

ODS

ASAM ODS 5.3

- General maintenance

ASAM ODS 6.0

- Using UML & XML for data models

ASAM ODS 6.0

- Substitute technology for CORBA

ODS Big Data Workshop

Pre-Projects

Other Standards

ASAM MCD-2 MC 1.7

- Harmonization with AUTOSAR

ASAM CDF 2.1

- Harmonization with MCD-2 MC

ASAM MCD-1 XCP 1.3

- Improved time synchronization

ASAM XIL 2.0.1

- Maintenance

Just Released

ASAM MCD-2 NET 4.1.1

- Maintenance

Just Released

ASAM MDF Classification

- Addition of classification algorithms

Just Released

Development of New Standards

Calibration & Diagnostics

Application Expert Systems

- Description of ECU parameter dependencies
- Parameter plausibility checks
- Support for functional calibration

Calibration Sequence Language

- Definition of common calibration activities
- Language for the description of ECU calibration steps

ISO OTX-Extensions

- Specification of generally applicable, not domain-specific extensions
- Result shall be transferred to ISO

ODS

ASAM ODS Web Services 1.0

Just Released

- Simplified access to ODS servers via HTTP

see next slides

Pre-Project:

ODS Big Data Technologies

Proposal

- Explore technologies to enable ODS for big data systems

see next slides

ASAM ODS Web Services 1.0

- ▶ Goal: Middleware between web clients and ODS repository
 - Web Clients can be Tablets or Web Browsers
 - Managing ODS Metadata
- ▶ Considered use-cases
 - User Administration
 - Measurement navigation
 - Previewing Data
- ▶ Result
 - ODS Web Services standard
 - 23 API calls
 - Implemented at several OEMs and Tier I suppliers

Pre-Project: ODS Big Data Technologies

- ▶ Goal: Exploration on how big data technologies can be used with ODS
 - scalable software technologies
 - parallel processing
 - automated analysis
- ▶ **Considered use-cases:**
 - handling of inhomogeneous, large amounts of data from multiple sources
 - re-use and re-purposing of test data
 - advanced condition monitoring
 - analytics for component quality improvement
- ▶ **Includes prototype implementation of a big data server**
- ▶ **Expected results:**
 - extension of ODS data models
 - new means to interface with analysis tools
 - revised/extended physical storage format of data
 - revised/extended data exchange format

If you are interested in this project, please contact:

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Thank you for your attention

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