

**openMDM®: A proven software kid for the
fast and cost-effective implementation of
ASAM ODS based solutions
via configuration and administration**



Facts about Peak Solution

Peak Solution and ASAM ODS

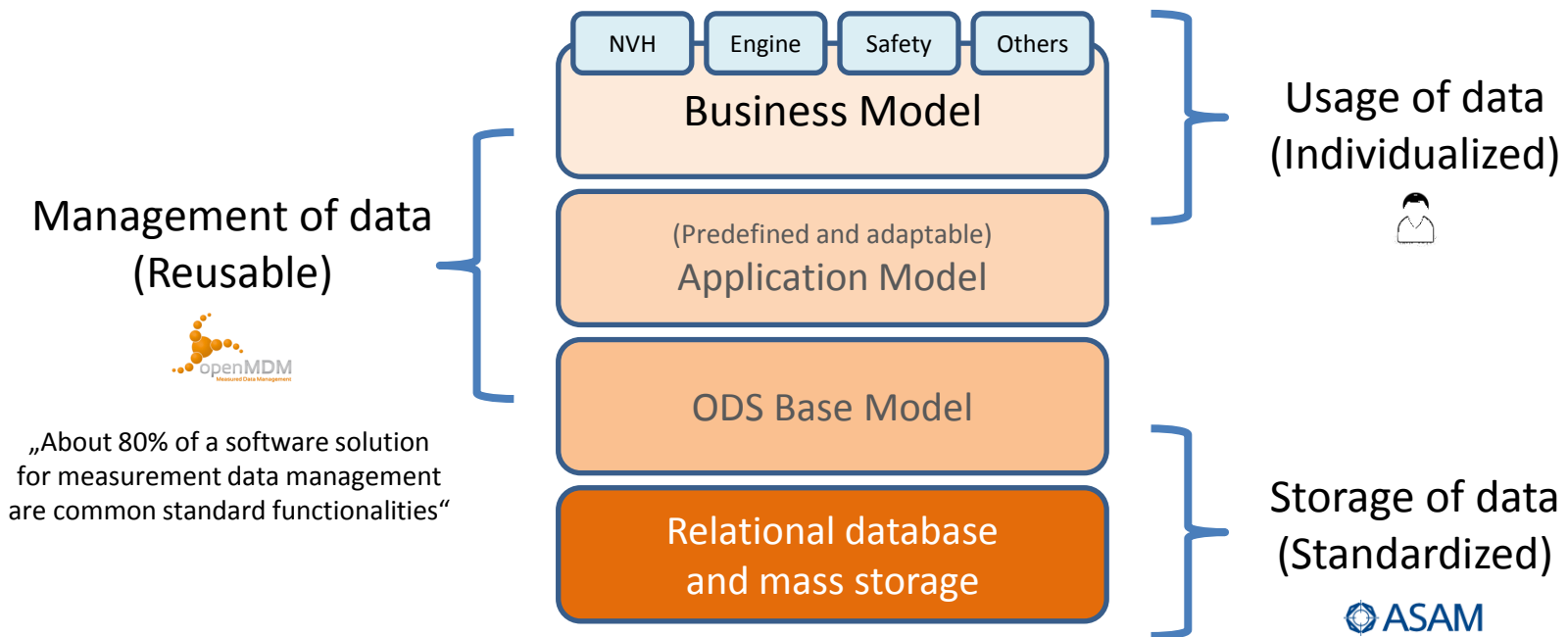
- Founded in May 2005
- Headquarter: Nuremberg (GER)
- Test data management project since 2005
- Member of  **ASAM** since 2007
 - Member of Technical Steering Committee
 - Working groups: ODS Maintenance, ODS Webservices
- Worldwide ASAM ODS projects
 - By Subsidiaries
 - By Partners



openMDM® Overview

The openMDM® approach

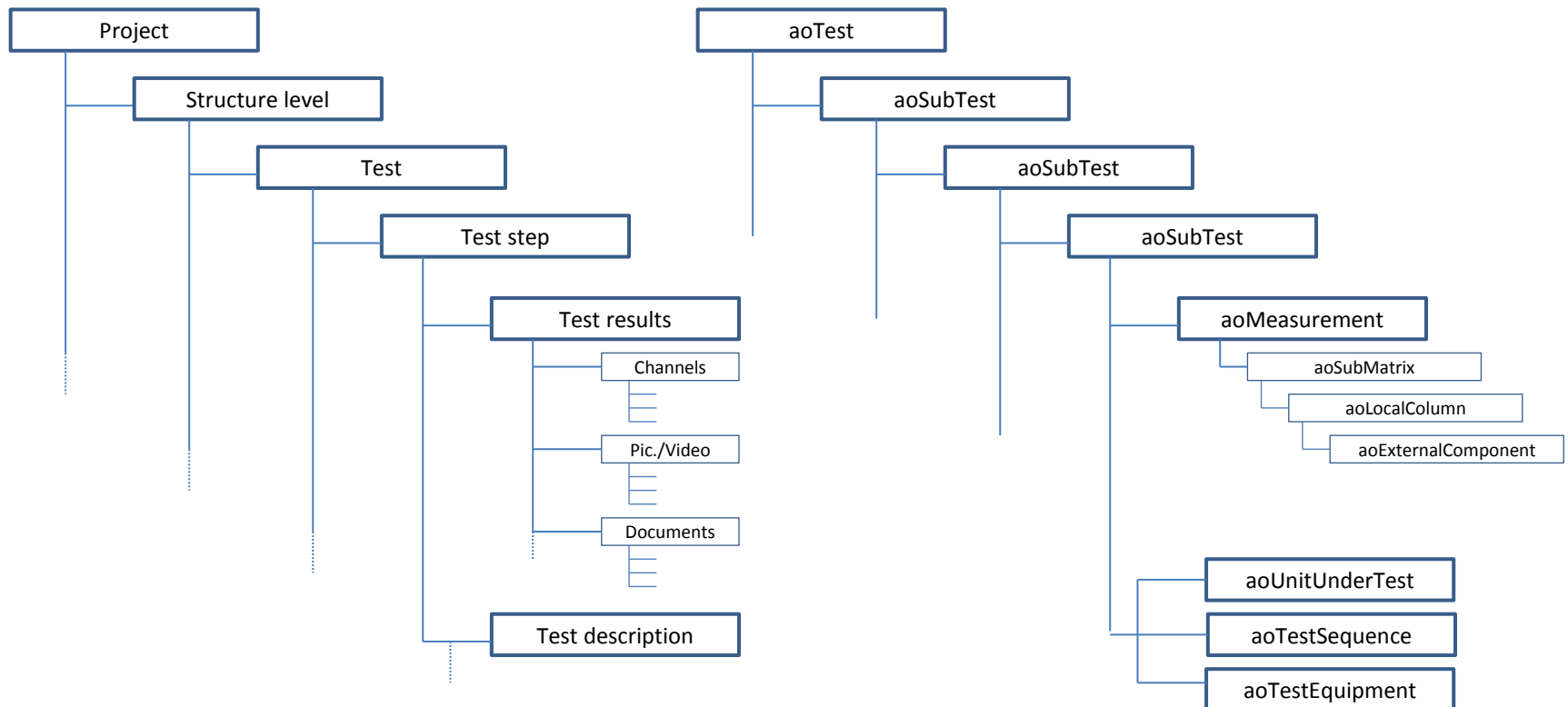
Software framework for the efficient implementation of ASAM ODS-based solutions



openMDM® combines standardization with individuality!

openMDM® Overview

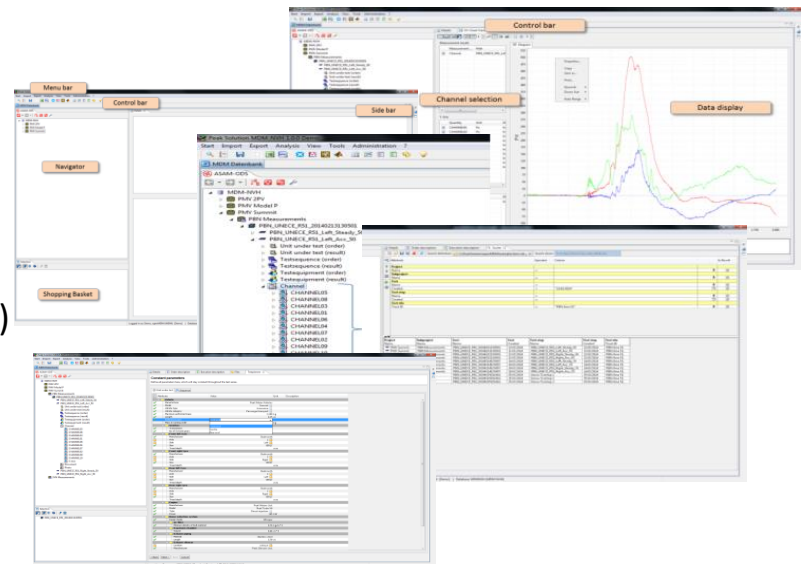
Application model: ASAM ODS compliant test data storage



openMDM® Overview

Configuration

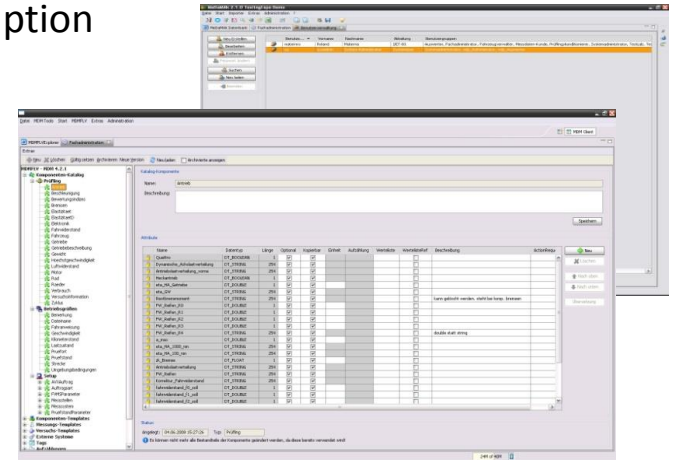
- More than 300 reusable, proven, reliable and free available software components:
 - ODS-Browsing (Navigator)
 - ODS-Search (Generic search, Full-text search)
 - ODS-View (Meta data, Measurements)
 - ODS-Attachments (Documents, Pictures, Videos, etc.)
 - ODS-Importer (different file formats)
 - ODS-Exporter (different file formats)
 - Administration (application, application model)
 - and many more...
- Implementation of new, different applications by re-assembling existing software components



openMDM® Overview

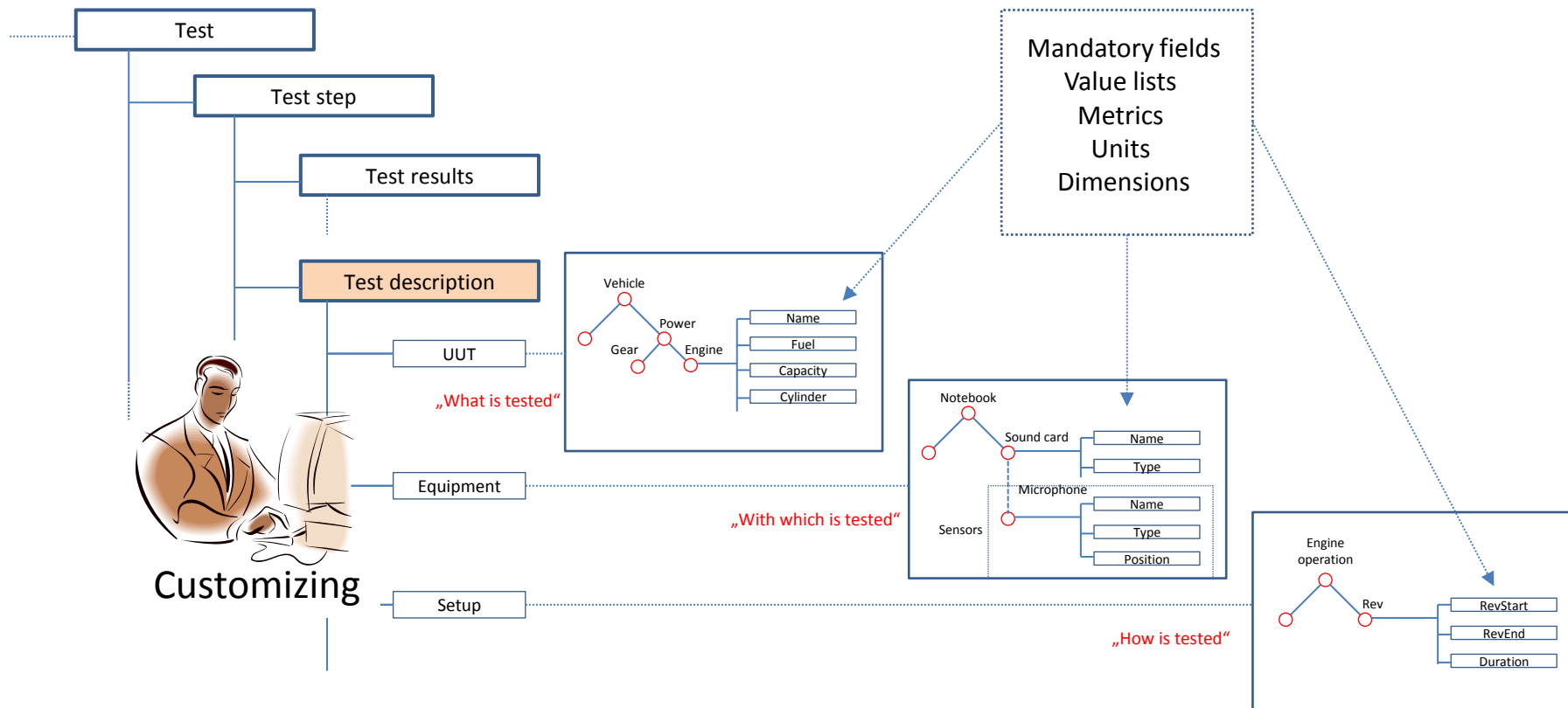
Administration components

- Definition and maintenance of ODS application models
- Definition and maintenance of templates for test description
- Integration and configuration of specific application components (external systems, Hooks, etc.)
- User and rights management (based on ODS authorization system)
- Language (I18N Internationalization)



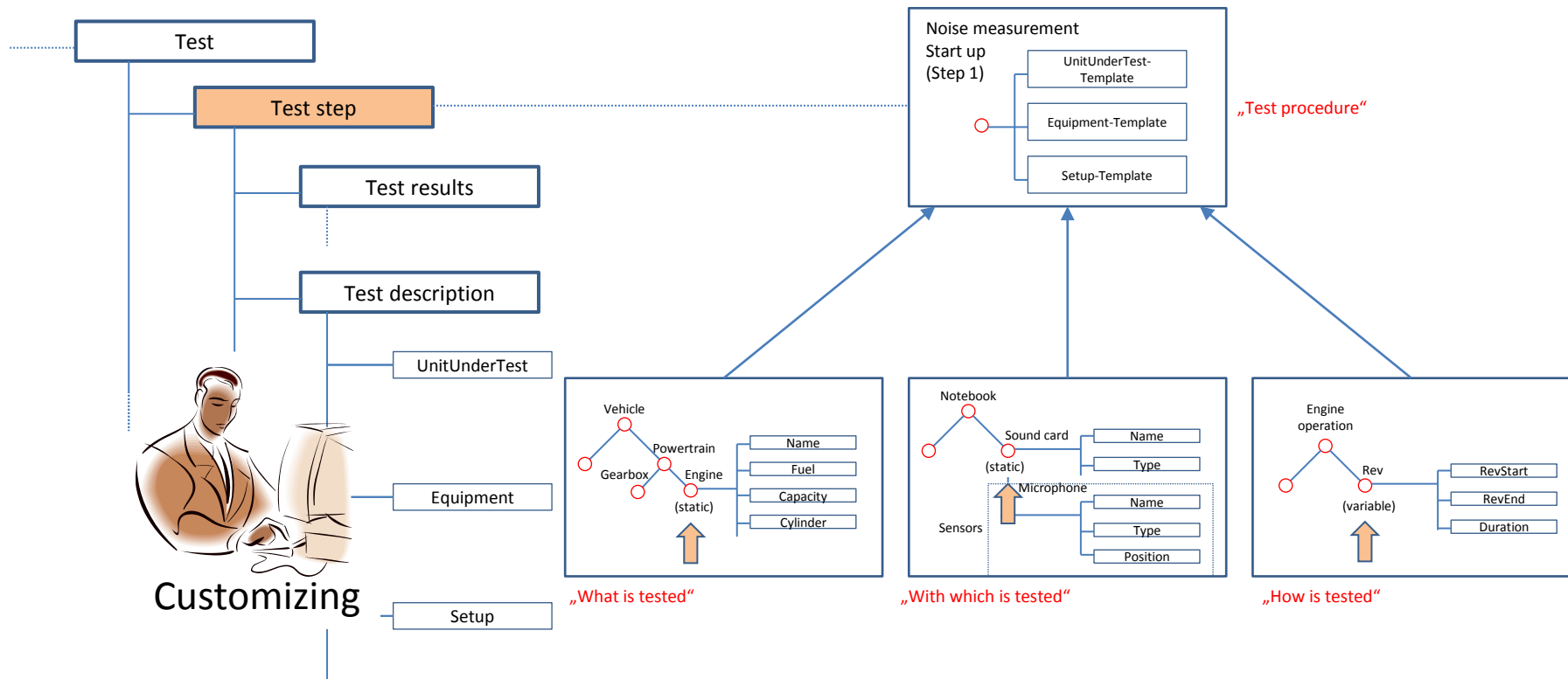
openMDM® Administration

ODS application model: Definition of metadata by customizing



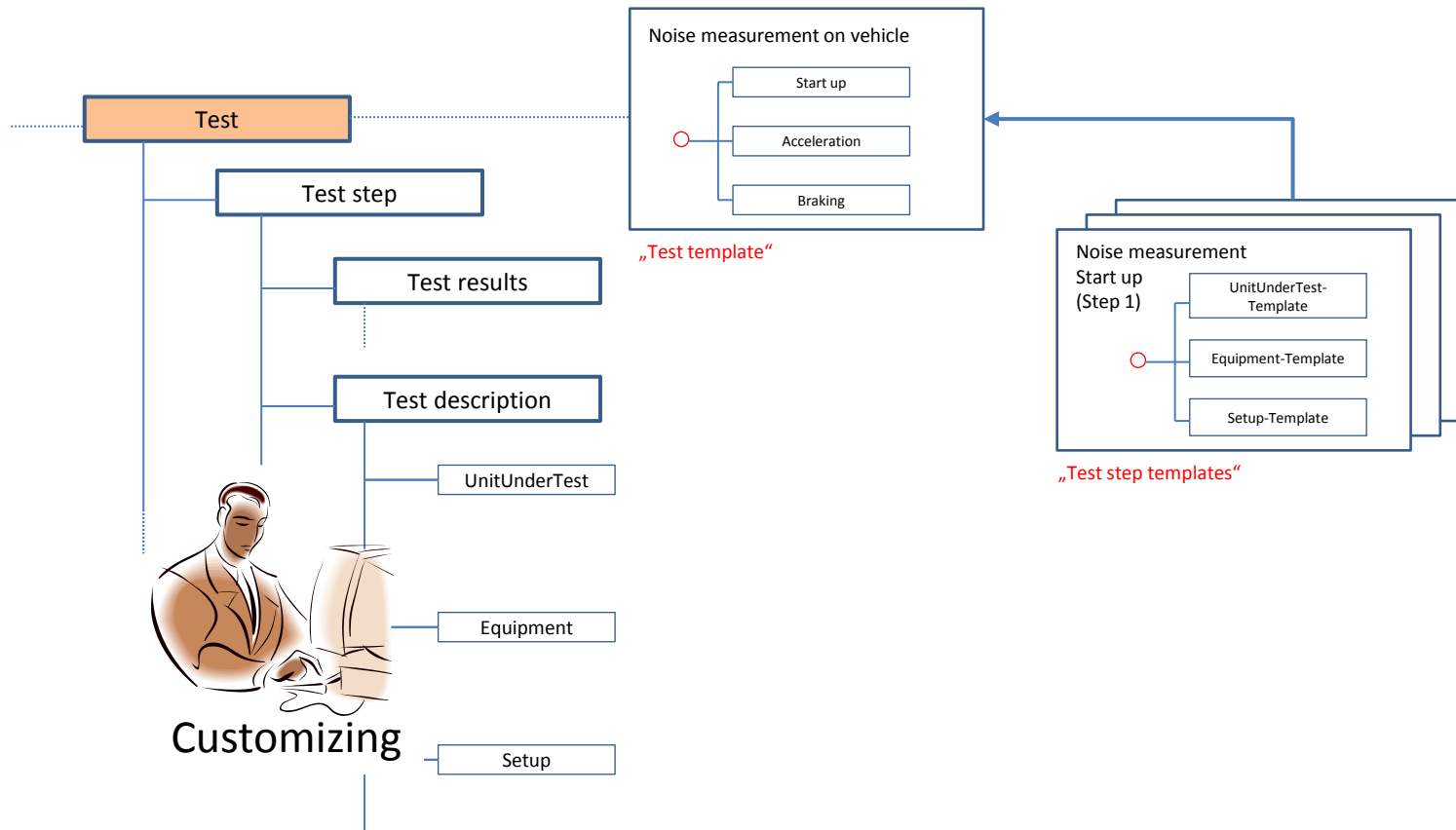
openMDM® Administration

Definition of templates for test description



openMDM® Administration

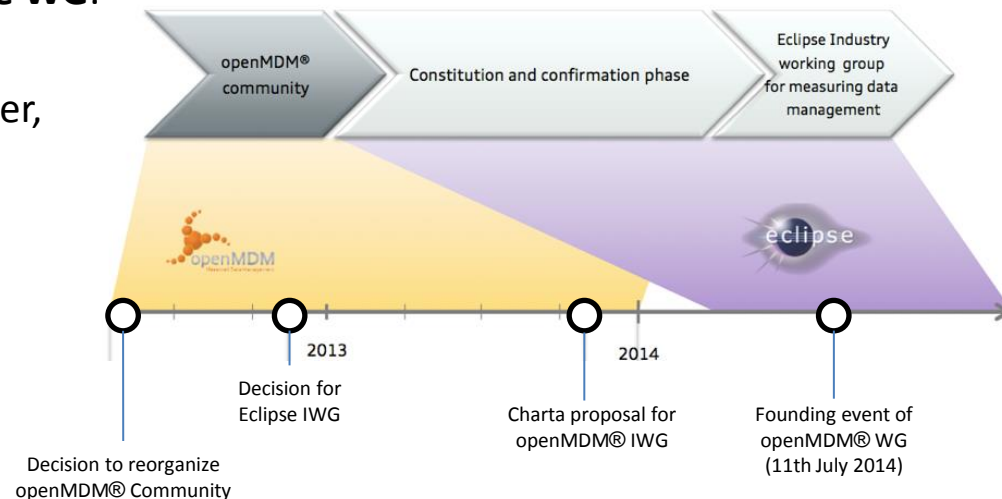
Definition of templates for test description



From openMDM® Community to Eclipse working group

Joint development and exchange of software components

- 2005: Start of development on behalf of Audi (Peak Solution was a development partner “from the very beginning”)
- Since 2007: Collaboration of about 30 vehicle manufacturers, Tier-1 supplier, tool vendors and service providers (openMDM Community)
- Since 2012: Transformation into an Eclipse Working Group (WG)
- Official founding of **openMDM® Eclipse WG:**
11th July 2014
- Founding members: Audi, BMW, Daimler, HighQSoft, Gigatronik, s+c, Canoo and Peak Solution
- Further companies (OEMs, solution vendors and service providers) have already joined or expressed their will for participation...



openMDM® Community

Scope of openMDM Eclipse WG

- Canalizing the diverse requirements regarding openMDM®
- Initiation, planning and jointly funding
 - Development of new components and improvements (**currently openMDM® 5.0**)
 - Maintenance of existing components
- Publishing of common developments under **Eclipse Public Licence (EPL)**
- Extensive quality assurance as well as reliable configuration and version management for all published openMDM® components
- Members of the openMDM WG have the possibility to influence the further development of openMDM®
 - You don't have to be a member of openMDM WG to use and adopt published openMDM® components

openMDM®

Conclusion

- The adaptability of the openMDM® toolkit is sufficient for easy and rapid prototyping of fully functional measured data management systems
- openMDM® solutions can be customized / adapted to specific use cases by
 - Customizing the underlying ODS application model
 - Recombining / reconfiguration existing components
 - Development of own, new components
 - Integration of 3rd party software
- A big part of openMDM® implementation is configuration and customization (not software development)
- The implementation of openMDM® do not require ASAM ODS or database expert knowledge
- openMDM Eclipse WG ensures an ongoing further development and maintenance of the openMDM® framework – Take part!

openMDM® Benefits

Maturity – Cost-effectiveness – Independence – Future-proof



**openMDM® is on the way to become a worldwide,
leading industry standard
for measurement data management!**