ASAM standards

The V-cycle and beyond – covered by ASAM domains

| Operational Design Domain | Operational Domain |

Simulation

Software Development

Data Management & Analysis

Measurement & Calibration

ECU Networks

Diagnostics

Test Automation

| Concept | Design | Development | Integration | Test | Deployment | Maintenance | End of Life |

ASAM

Fact sheet
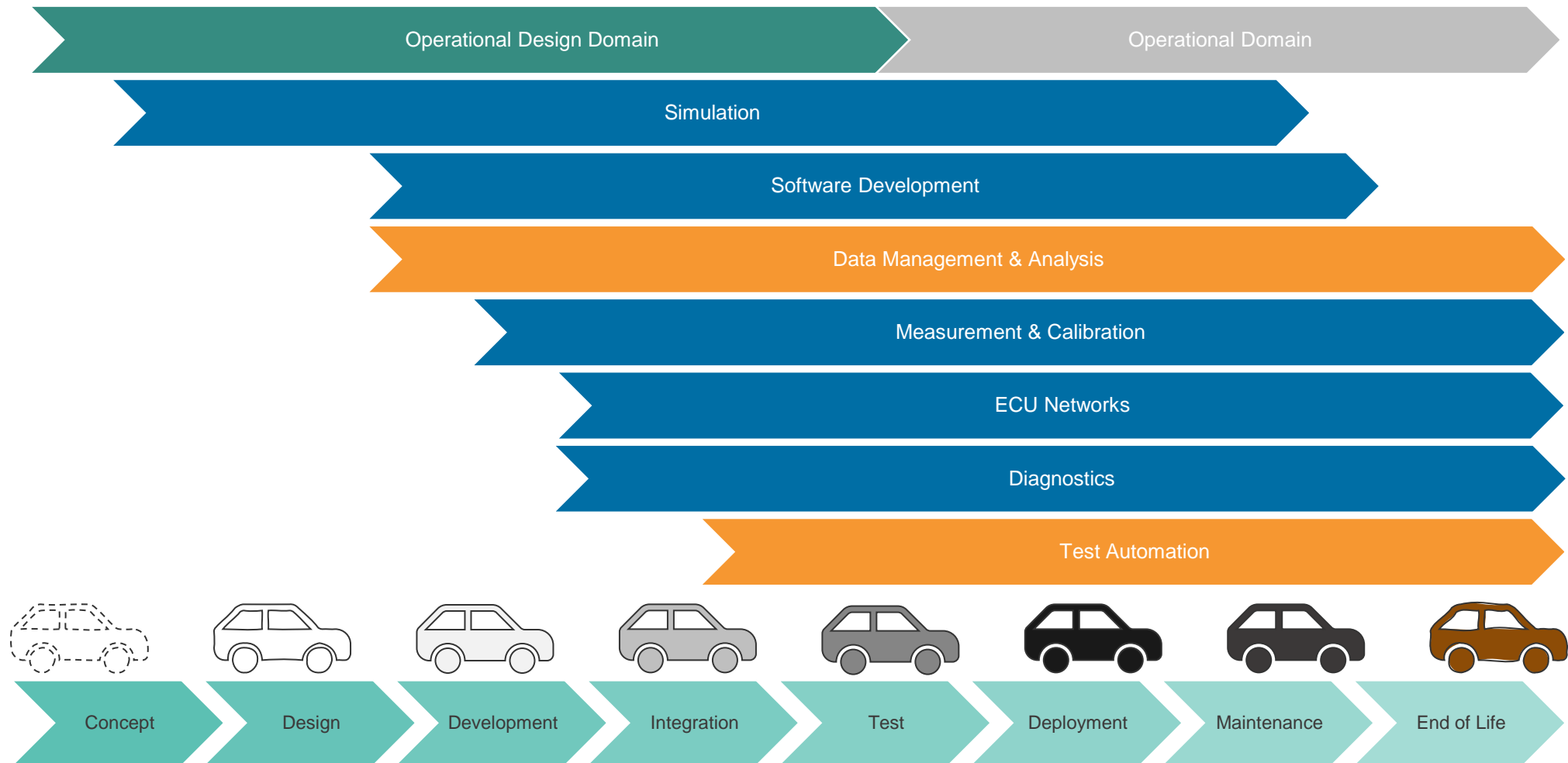
ASAM XIL (Generic Simulator Interface)

Positioning
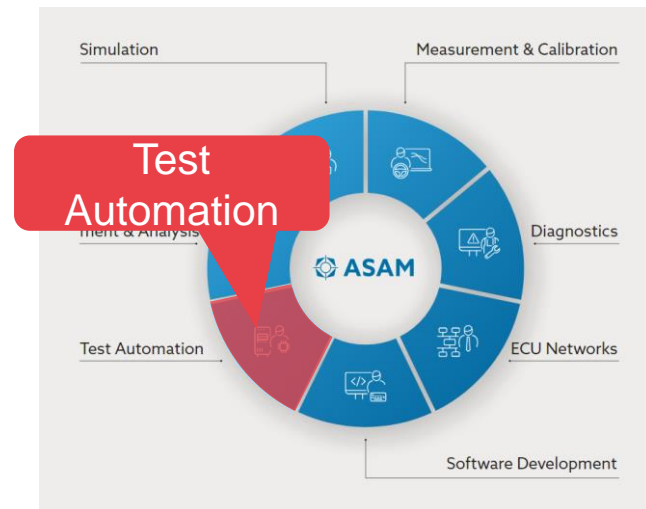
Topics

- Derived from „ASAM HIL"
- Decoupling of test cases from test systems
- Fast transfer of test cases between different test systems
- Cross-tested for verified compliance of implementatoins
- Technology references in C# and Python

Scope

- API between test automation tools and test benches

Connects with
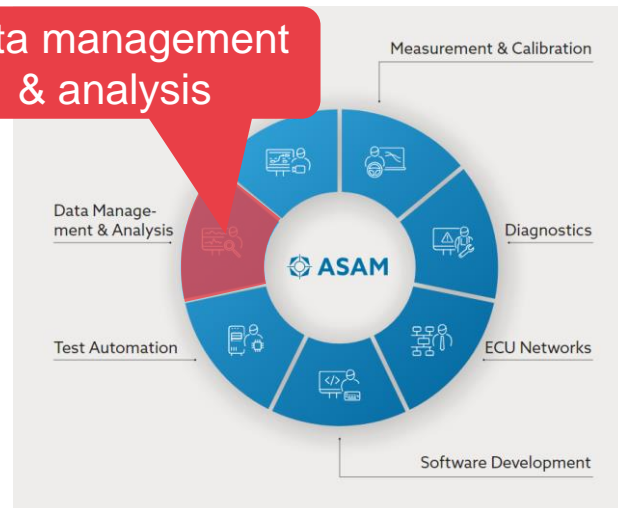
- OpenTestSpecification

Application areas

- Test automation with „X-in-the-loop" systems

Version	Format	License
2.2.0	**XML C# Python**	**paid**
		First release **2009**

ASAM

Fact sheet

ASAM ODS (Open Data Services)

Positioning

Data management
& analysis

Measurement & Calibration

Data Manage-
ment & Analysis

Diagnostics

Test Automation
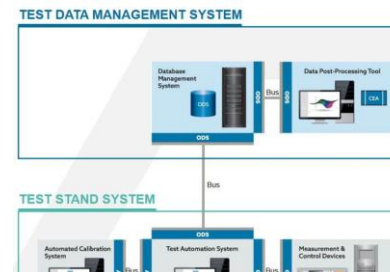
ECU Networks

Software Development

Topics

- One of the first ASAM standards (originating in the 1990s)
- Physical database model (ASAM ODS base model)
- Standardized access layer (ODS API)
- Data exchange format (ATFx file format)
- Cross-tested for verified compliance of implementatoins

Scope

- Basis for data generation, storage and analysis

Connects with

- ASAM MDF
- ASAM OpenLABEL

Application areas

- Test data management for:
  - measurement data
  - fleet test and simulation data
  - big-data applications

Version	Format	License
6.2.0	**API database atfx**	**paid**
		First release **2000**

ASAM