



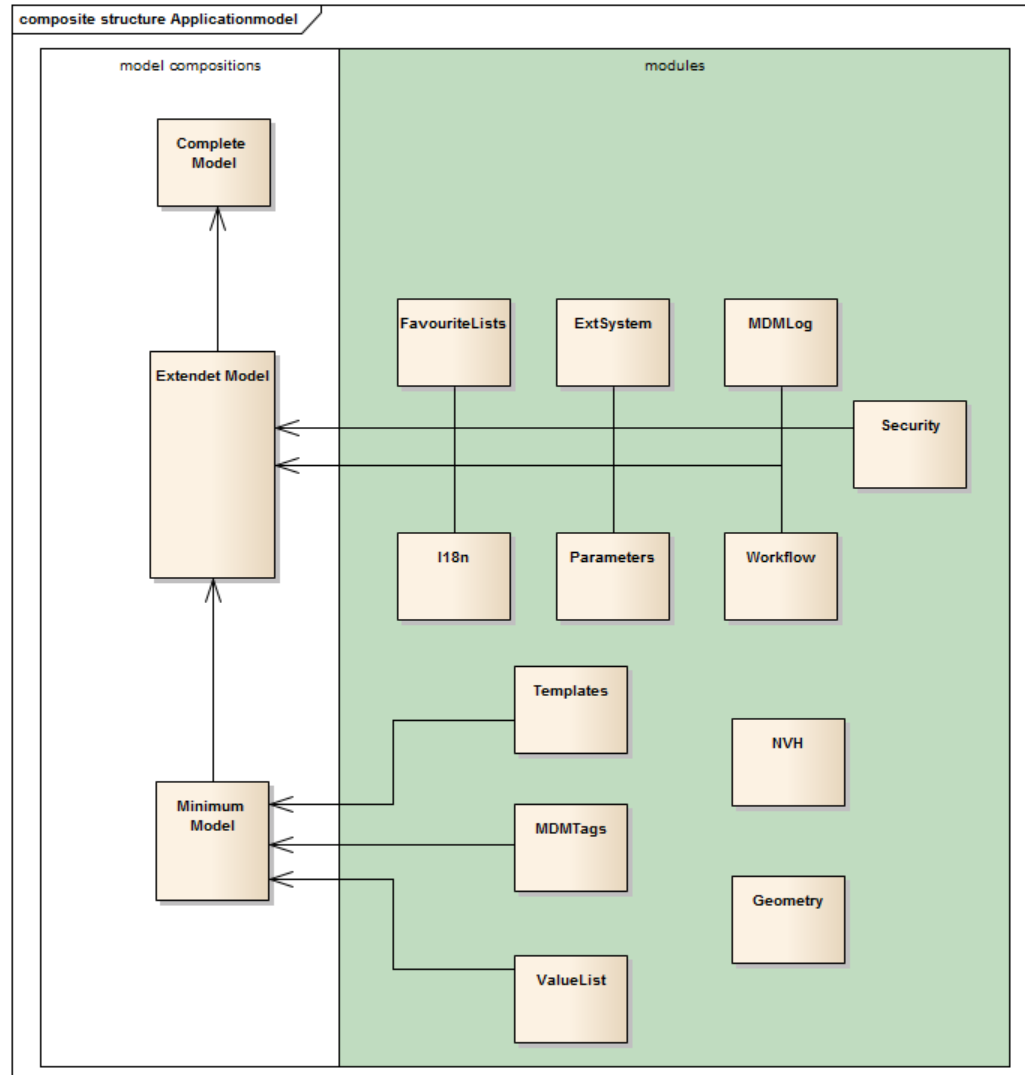
# openMDM 5 application model

an overview





# Model Compositions





## Minimum Model

Represents a minimal MDM application model that contains only the absolutely necessary elements to store MDM data:

- Environment
- Physical dimensions and Units
- Project, StructureLevel, Test, TestStep, MeaResult, MeaQuantity, SubMatrix, LocalColumn, ExternalComponent
- Quantity
- ResultParameter (-Set)
- Users, Roles
- TestSequence, TestEquipment, UnitUnderTest
- Default instances of physical dimensions, units, users and roles
- CatComp, CatSensor, CatAttr
- Templates: TplGroup, TplMeaResult, TplTest, TplTestStep, TplTestEquipment, TplTestSequence, TplUnitUnderTest
- ValueList



# Minimum Model Extensions by ASAM

The Geometry model and the NVH model are extensions defined by the ASAM ODS 5.3.0 specification.





# Model Extension

Extending the Minimum-Model with additional functions for storing Information

- ExtSystems
- FavouriteLists
- I18N (MDMLocalization)
- MDMLog
- MDM Security (related to “*User* roles” and “*Status*”)
- SystemParameter, UserParameter
- Workflow



# Complete Model

Contains all elements of the MDM application model.

- All elements from the minimum model
- All elements from the extensions for the minimum model



# Security Extension

Feature set for the definition of classification semantics.

Contains the following elements:

- Classification
- Domain (not yet used in MDM)
- MDMGroup
- MDMMRole
- ProjectDomain
- Status
- StatusValidity



# Workflow Extension

Feature set for modeling of aggregations of openMDM use cases.

Contains the ApplicationElements of the MDM workflow model:

- Workflow
- WorkflowParameterSet