

Date: 20.06.2022

Time: 12:00

Participants: BETA CAE ,Fraunhofer SCAI, HTW Berlin, BAM, DLR (Institute of Composite Structures and Adaptive Systems), BMW

#### Discussion

what all shall be stored in the VMAP file?

- \* different modelling approaches, multiple idealizations, an abstract description of the model etc.
- \* Storage of a final model without any modelling capabilities

#### Requirement:

- \* Only model to be stored without any modelling capabilities
- \* Storage of the following features in the initial development phase:
  - \* Boundary conditions
  - \* Material

#### Basis for implementation

- \* start with basic simple models and move on to more complex models
- \* a 2 level implementation seems realistic right now
  - \* Level 1 : structured datasets
  - \* Level 2 : ontology development with a related database

#### Next Steps

Based on the following presentation, the group will collect the existing knowledge and extend this into further implementation of the VMAP Standard

- \* July Meeting - HTW Berlin will present a short basic tension test case
- \* August Meeting - DLR will present a structured dataset example for the dog bone model (ISO standard - <https://www.beuth.de/en/standard/din-en-iso-527-2/148232494>)
- \* September Meeting - Fraunhofer SCAI will present the manufacturing ontology