



Data Exchange Rules, Procedures

SIS100 EoI-Meeting
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Competence Center-Digital Mock-up (CC-DMU)

Aim:

Definition of design envelopes/overall dimensions for
accelerator equipment and components

Provide checks for clashes or incompatibilities on

- components basis
- fitting to civil construction

Have a profound basis for quality assurance

Build up a repository of a full set of data for all FAIR
installations:

- native format
- STEP format
- 3D pdf

Mechanical Engineering Data Exchange

- Ensure reliability of design data and accompanying metadata
- Provide Data for approval, DMU, quality assurance and change management
- Definition of the minimum requirements for the data exchange

Basic principles and main requirements

- The overall development of the entire FAIR facility is based on 3D models
- Minimum set of master data:
 - for each 3D model
 - 2D drawing derived from the model
 - BoM and other documents as well as their approval status
- Definition of responsible and contact persons
- Communication and project language is English
 - all data and metadata must be created in English

Data Exchange Process

