

Generic AEC/FM View Description

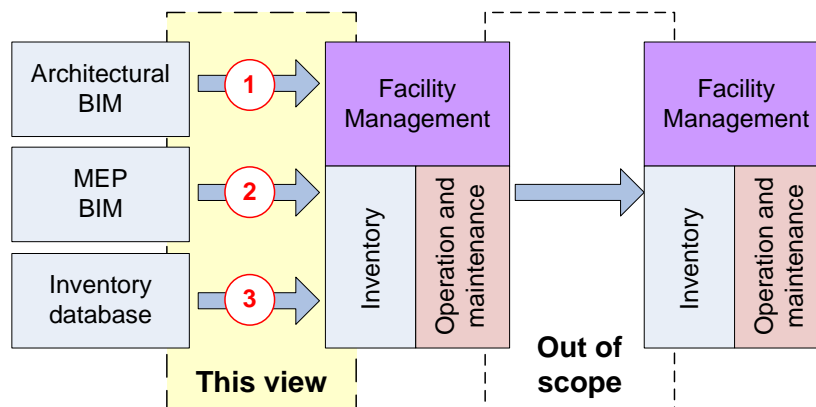
Hand-over to Facility Management

Reference	GSC-010	Version	1	Status	Proposal
History	Based on 'Facility Management Inventory Data' IFC Extension Project FM-10				
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Description

This view defines the complete scope of data exchange for the design→build→operate handover in the combination of the following data exchange use cases:

- Architectural as-designed and as-built information to facility management
- Mechanical, Electrical, Plumbing as-designed and as-built information to facility management
- Inventories (from surveying or previous FM handover) to facility management



In scope of the total view definition are:

- Spatial structure of the project, i.e. the location and spatial hierarchy of the project.
- Doors, windows, furniture, fixtures, MEP components
- Spaces, including surface finishes, space quantity information and properties
- Classification and catalog references for objects and properties of the exchange
- Spatial and technical system hierarchies (zones and MEP systems)

The scope of the view is limited to alphanumeric information, i.e. no geometry data needs to be exchanged (but it is legal to include geometric data). Software implementing the view may optionally support the exchange of geometry but this is not required.

Out of scope are building elements (walls, columns, beams, slabs etc.). Catalogues are not included in the data exchange, but the exchange may contain references to catalogs already in use in the industry using keys defined in such catalogues.

The underlying structure of this view is based on the Coordination View, which has already been implemented by most major AEC CAD vendors. This view might be further broken up into three sub views:

- 1) Architecture BIM model information to CAFM model information
- 2) MEP model information to technical CAFM model information
- 3) Model from existing inventory databases (subset of CAFM) to CAFM model information

The view has been originally defined to satisfy the alphanumeric requirements of the German 'BFR GBestand' specification. However all concepts defined in this view are for general international use. The support for 'BFR GBestand' is only one potential usage, other FM hand-over processes are equally supported.



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