

InfraRoom New Work Item: Infra Asset Management requirements definition

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BIM has been recognized as a global digital construction technology and will be deployed in every country in the world. This technology will enable information delivery and process integration in the chain of client/asset manager, client/project organization, contractor and consultants.

There is an increasing need to organize the flow of information in the construction chain on the basis of open standards. An important information hub is located at the asset manager. To perform its task, the asset manager has to deal with asset information in structured and unstructured form, portions of the information will be recorded in accordance with various standards and object type libraries are used to specify data structures.

Relevant standards for Building and Infrastructure are developed and maintained through buildingSMART and ISO/TC 59/SC 13. However, these standards does not give an answer to the needs of information delivery for infra asset management.

We propose to start an effort to enhance, improve and strengthen existing standards and develop new open BIM-standards to answer the needs of infrastructure asset management. This efforts will take into account the IFC standard including Alignment for Geometry, and also will take into account the use of object type libraries as are developed among others in the Netherlands.

First step in this effort is a requirement definition study which will be executed as a project. Substantial involvement of stakeholders is required. In the execution participation of research and universities is encouraged.

/End of New Work Item