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Annex B of Request for Quotation (RFQ)
and
Call for Participation (CFP)

AECOO Testbed – Phase 1
(AECOO-1)

buildingSMART alliance Project 2008-STP-01

Clarification 1: Annex B
Testbed Architecture

Clarification Issuance Date: May 15, 2008

1 Deliverables for BPEA and QTO Use Cases

For clarification, the MVD deliverables listed in the RFQ for each thread and its defined use case include the specification of the MVDs as well as the implementation of those MVDs in software, as described in the Use Cases.

The specifics of which BIM-authoring tools will be part of the implementation are dependent upon which vendors or participants with their chosen software end up participating in the Testbed. Again, the primary goal of this Testbed is to develop vendor-neutral interoperable solutions for the threads. It is possible that multiple participants will be involved in one or more threads (e.g., the BPEA thread requires domain specific expertise in the area of energy simulation).

2 Building Model for BPEA and QTO Use Cases

To ensure generality and vendor-neutral functionality, respondents are informed that the implementations of the Model View Definitions (MVDs) will be tested using a model of the General Services Administration (GSA) building located at 1800 F St., Washington D.C.

This building has already been modeled in multiple BIM-authoring tools such as Graphisoft's ArchiCAD, Bentley Architecture, Onuma Planning System (OPS), and Autodesk Revit by each respective vendor for compliance with the GSA's spatial validation requirements, implemented through the GSA National 3D, 4D, BIM Program. With these models already built, they will serve as a solid foundation for the work this Testbed is to undertake.

Only a small sub-set of the building model will be used for this Testbed. Modifications to the existing models will have to be made to include building elements and systems to support the specific business needs and processes described in the RFQ / CFP. Details of what modifications will need to be made and how those modifications will be implemented will be provided to Testbed Participants at the Kick-off meeting. It will be expected, however, that participants in the Testbed will be responsible for making the required modifications (which should be minor) to the model in their own BIM-authoring platform.

3 Scope for BPEA and QTO Use Cases

The focus of this Testbed will be to support businesses processes that require interoperability during the conceptual and criteria design phases of the Integrated Project Delivery Process.

Development work that supports Detailed Design activities and beyond are outside the scope of this Testbed.