2.3 Model Data Development & Management

This section outlines the technical criteria, data specification, documents and references that project teams use to create and validate facility data. The goal is to provide a specification for delivering normalized and verified data to the Airport as part of project delivery, as well as defining a data collection and verification process for project teams. The Airport is developing the Element Attribute Dictionary and Data View Definitions to describe the relationship between a project model progression specification and the Airport data specification for facility data.

The Airport has provided the following document templates to help teams collect and verify data in a reliable and efficient manner during the appropriate phase of each project.

2.3.1 Model Progression Specification (See Appendix B)

The Model Progression Specification (MPS) is an overview document that outlines what model geometry is input by each project team member for a specific scope of work. The SFO BIM Guide includes an example model progression specification that project teams must use as a template for their own BIMx Plans.

To effectively communicate modeling expectations, the Airport has adopted BIM Forum's LOD Specification. Please review this document carefully before proceeding to fill out the MPS. Like BIM Forum, when we refer to LOD we mean Level of Development, not Level of Detail. This is an important distinction as the two definitions have very different meanings. BIM Forum differentiates between Level of Detail vs Level development as follows. "Level of Detail is essentially how much detail is included in the model element. Level of Development is the degree to which the element's geometry and attached information has been thought through – the degree to which project team members may rely on the information when using the model. In essence, Level of Detail can be thought of as input to the element, while Level of Development is reliable output." One key difference in the Airport's approach is that we have removed "attached information" or "data" from this classification and made a separate classification known as the Element Attribute Dictionary which will be covered in Section 2.3.2. The breakdown of LOD can be found on the next page.