Clash Coordination

What is it?

Clash coordination or clash detection are terms that refer to the process of resolving design conflicts in a federated model using a BIM based coordination software such as Autodesk Navisworks®, with the primary goal of eliminating design and construction conflicts prior to fabrication and/or installation. A federated model is the combination of all distinct discipline and trade models from project teams to create a single representation of the building or facility.

Through the process of clash coordination, each discipline-specific model is compared to another to determine if building components are occupying the same physical space. This is known as a "hard clash". A "soft clash", also known as a "clearance clash", refers to components that violate a minimum clearance requirement, tolerance requirement or are in conflict with components that have not yet been modeled. Project specific clash coordination workflows are documented in the BIMx Plan developed by the project team.

How does it benefit stakeholders at the Airport?

☐ Resolves issues before anything is fabricated
☐ Reduces waste, rework and construction delays due to redesign
☐ Reduces design tolerances due to increased design accuracy
☐ Increased efficiency and optimization of components