

AEC (UK) BIM Technology Protocol for GRAPHISOFT ARCHICAD Model Validation Checklist For Export

Practical implementation of BIM for the UK Architectural, Engineering and Construction (AEC) industry.

Version 2.0

January 2016

Updated to reflect current working practices and software application.

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ARCHICAD File Details	
Model Name	
Date	
Prepared By	
Approved By	

Model Preparation provides a guide for preparing the model prior to validation. The list can also be referred to for continued model management.

Model Preparation	
Check model file name conforms to Standards	<input type="checkbox"/>
Check correct Libraries are attached to the file	<input type="checkbox"/>
Ensure no duplicates are associated with the file	<input type="checkbox"/>
Ensure embedded objects have been moved to the Project BIM Resource Library	<input type="checkbox"/>
Check all hotlinks are updated	<input type="checkbox"/>
Check elements assigned to correct Renovation Filter	<input type="checkbox"/>
Check Element Classifications and Predefined Types are correct	<input type="checkbox"/>
Check that all objects (in Project BIM Resource Library) conform to Standard naming conventions	<input type="checkbox"/>

Check Project Info is completed correctly	<input type="checkbox"/>
Check model is located correctly	<input type="checkbox"/>
Check model is correctly assembled through visual inspection	<input type="checkbox"/>
Check model has grid switched on and is visible in 3D (if appropriate)	<input type="checkbox"/>
Review data is in line with project requirements within the IFC Manager	<input type="checkbox"/>
Check layers are to Standard naming conventions	<input type="checkbox"/>
Check elements are assigned correctly to layers	<input type="checkbox"/>
Check Spaces (Zone Stamps) are modelled correctly	<input type="checkbox"/>
Check Spaces (Zone Stamps) are switched on in 3D before export	<input type="checkbox"/>
Check correct View (including layer combination) is used before export	<input type="checkbox"/>
Ensure users have used 'Send & Receive' (Teamwork Only)	<input type="checkbox"/>
Ensure correct Translator settings are utilized before export	<input type="checkbox"/>
Update Model Matrix if required	<input type="checkbox"/>

Validation of the model provides a guide for certifying the model file for issue, the intention being that the recipients of the model know that the file is fit for use and will not require additional work to fit within the project framework.

Validation of Model	
Reopen model in Graphisoft BIMx and carry out inspection	<input type="checkbox"/>
Reopen model in standalone IFC viewer and carry out visual inspection. Particular attention should be made to areas of complex modelling techniques	<input type="checkbox"/>
Review model data in checking software (<i>if available</i>)	<input type="checkbox"/>
Save file to publish folder with correct name	<input type="checkbox"/>

Model Issue

Ensure model transfer method has been tested

Ensure receiving software has import of IFC 2x3 capabilities

Ensure any known issues with file transfer are documented

Ensure recipient understands import procedures (i.e. add-ins etc)