

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

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

Version 2.0

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Updated to reflect current working practices and software application.

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File Details	
Model Name	
Model Format	
Method of Receipt	
Date	
Received From	

This checklist is prepared to assist ARCHICAD users in assessing the quality and suitability for use of models to be incorporated within the ARCHICAD environment.

Model Validation	
Review size of model received ( <i>note: If excessive consider asking the author to break down into a series of files</i> )	<input type="checkbox"/>
Open IFC model in an IFC viewer to review general integrity of file	<input type="checkbox"/>
Open IFC model in a standalone version of ARCHICAD	<input type="checkbox"/>
Check number of storeys in model	<input type="checkbox"/>
Check layering of file conforms with agreed project standards	<input type="checkbox"/>
Review location of model against agreed project model location	<input type="checkbox"/>
Review renovation status of elements to ensure author has correctly assigned elements	<input type="checkbox"/>

Carry out a visual review of major elements to ensure that nothing is 'obviously' missing. Particular attention should be paid to complex areas	<input type="checkbox"/>
Review model against any project data deliverables required within the ARCHICAD environment	<input type="checkbox"/>
Review structural grid for any changes if provided by another party	<input type="checkbox"/>

If the model does not meet the validation process, comments should be passed immediately back to the author for rectification.

Once the validation process is complete and meets the validation criteria the model can then be integrated into other ARCHICAD files as required.

<b>Model Integration</b>	
Check model file name conforms to Standards	<input type="checkbox"/>
Ensure model is placed in correct project folder	<input type="checkbox"/>
Integrate model (either through hotlinking or merging)	<input type="checkbox"/>
Where 'merge' functionality is utilized, ensure that correct versions of model are selected	<input type="checkbox"/>
Consider impact on attributes that the integrated file may have transferred into the project	<input type="checkbox"/>