National BIM Library

Resources for applying the NBS BIM Object Standard

What is the NBS BIM Object Standard?

NBS launched the NBS BIM Object Standard in September 2014.   The standard was introduced to define a consistent set of data criteria for the content and structure of BIM objects. Designers and manufacturers can now create BIM objects that meet a common benchmark, enabling better collaboration and a more efficient exchange of information, and clients working on project models can be confident in the quality of the BIM objects that they use.

To help designers and manufacturers create BIM objects which comply with the requirements of the standard, we have developed a number of resources.

NBS BIM Object Standard guidelines

The NBS BIM Object Standard guidelines define in detail the information and geometry that is required to create high quality BIM objects that operate within a Common Data Environment. These guidelines can be used by any designer working on BIM objects.

You can view the guidelines online or download a pdf version.

NBS BIM tools

NBS BIM Object Shared Parameters for Autodesk®Revit®

The NBS BIM Object Shared Parameters have been developed to enable you to create BIM objects which are consistent with those created by NBS.

This downloadable file contains all the properties associated with the NBS_General and COBie property groups as referenced in the NBS BIM Object Standard.   Once you have downloaded the file you will be able to add these properties to any BIM objects you create, and can be confident that these will meet the requirements of the NBS BIM Object Standard.

NBS Templates for Autodesk®Revit®

The availability of NBS Templates for Autodesk®Revit® makes the application of the NBS BIM Object Standard even easier.   These template files are pre-populated with all properties associated with the NBS_General and COBie property groups, thereby eliminating the need to load each shared parameter individually.

Designers and manufacturers can simply download the relevant template files and use them to help create BIM objects which have consistent data standards.

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Future development

We are always keen to act on the feedback we receive and as a result of comments provided so far we are planning to introduce the following additional resources:

- An update to the shared parameters file to include all IFC 2X3 properties. This will allow designers and manufacturers to use the same IFC properties as the NBS use when creating BIM objects.
- Delivery of further Revit family templates. These will include popular templates for doors, windows and furniture.
- A BIM object naming tool. This tool will allow manufacturers to input their company and product names and will then format that information correctly so that it can be added to a BIM object.

Help and advice

If you would like some further advice on applying any of these tools, please contact us by calling 0345 456 9594 or emailing info@theNBS.com