



16 March 2016

ICIS Delegates' Assembly
Auckland

ICIS Project #5

International requirements for BIM object libraries

Paul Swaddle

(on behalf of project group: IIBH, Masterspec NZ, NATSPEC, NBS,
Standards Norway)

- ❖ During ICIS DA 2015, some members (or respective governments/national organisations) were investigating national BIM object libraries.
- ❖ NBS National BIM Library was seen as an example of what has been achieved and it was clear that NBS and ICIS members could work towards standardisation for BIM object libraries which would permit international use of objects.
- ❖ Initial project committee was held in Brno

Project proposal form



Project Title	ICIS Project #5 - International requirements for BIM object libraries				
Topic of the project	Working together to standardize the principles and fundamental requirements of a national BIM object library to make it suitable for international use.				
Main focus - 3 Keywords	BIM objects, international, standards				
Duration of the project (2 years are recommended)	2 years	Project start	03/2016	Project end	03/2018
Estimated total budget of the project:	£5k per year				
ICIS funding requested	Yes				
Lead proposer (coordinator)					
Organization	NBS				
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ICIS Project #5

- Sub-project #1: Towards an International Standard for BIM Objects
- Sub-project #2: International Requirements for BIM Object Libraries



International efforts - standard



NEWS

NBS TO HELP ESTABLISH BIM OBJECT STANDARDS IN AUSTRALIA AND NEW ZEALAND

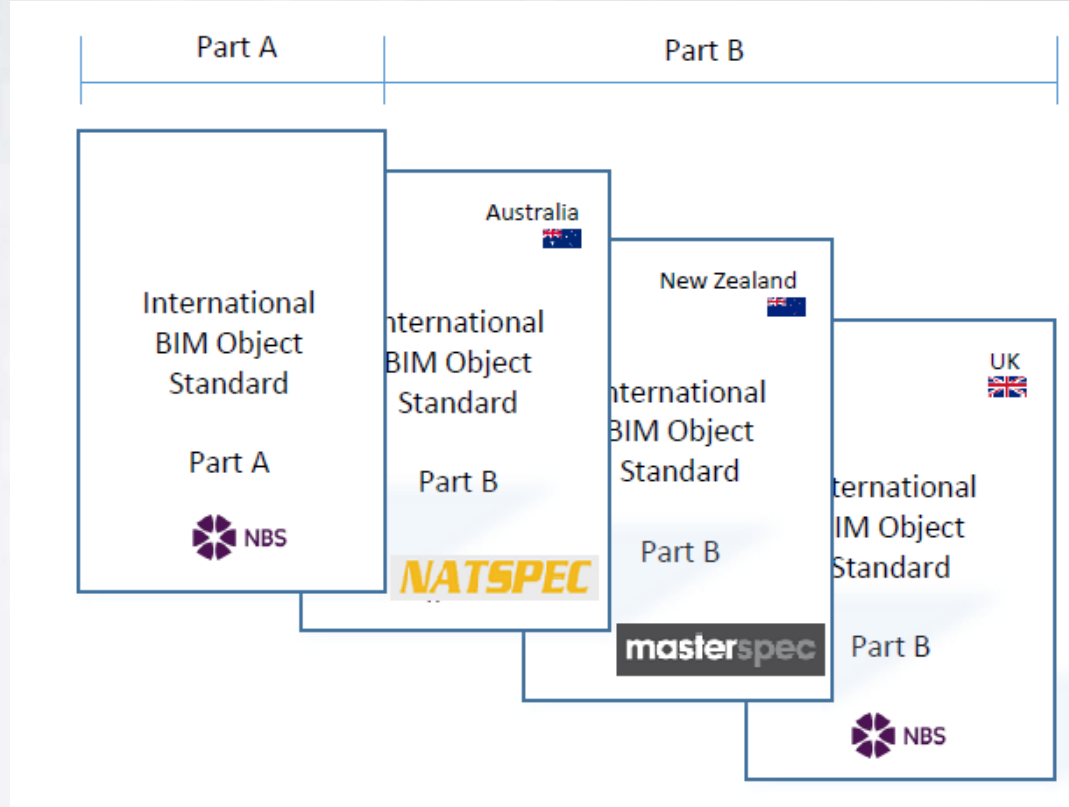
10 AUGUST 2015 | BY TOM RAVENSCROFT

1 Comment

The NBS is set to partner with Australia's not-for-profit NATSPEC specification body and New Zealand's Masterspec specification system to establish standards for BIM objects in those countries.

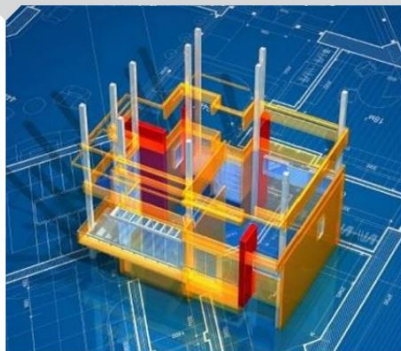
In Australia, NATSPEC is owned by a wide range of professional associations and government property groups, while in New Zealand the RIBA-owned NBS will be working with Masterspec, a specification company owned by the New Zealand Institute of Architects and the Registered Master Builders' Association.

The NBS launched its BIM Object Standard in the UK in September 2014, creating a benchmark for manufacturers and designers on the format and properties of BIM objects.



NS 8360

BIM objects – Naming and properties for BIM objects and object libraries for construction works



1

SCOPE – NS 8360

- 1 • **Discipline**
 - ARC
 - STRUC
 - HVAC
 - EL
- 2 • **Phases**
 - Pre-Design
 - Conceptual
 - Detail
 - Construction
 - FM
- 3 • **Libraries**
 - Because it all starts here
- **Deliveries**
 - It is the BIM-delivery (IFC-file) that opens user cases
- 4 • **User cases**
 - 12 specific use-cases covering most of today's needs



NBS

ICIS Project #5

Thank you