

# Minutes for the BIM Acceleration Committee

Wednesday, 29 October 2014, 9am – 11:30am

Agenda Item #	Agenda Item
1	Accept minutes of last meeting
2	Action log
3	Publication of BAC minutes update
4	BIM Survey update
5	BIM object interoperability standards / library update
6	Government BIM Symposium, 13 October, Singapore
7	Project updates <ul style="list-style-type: none"> <li>• Government as a client</li> <li>• Group Home builders as a client</li> <li>• Case studies</li> <li>• Communications and awareness raising</li> <li>• Industry training</li> <li>• Contract terms and conditions</li> <li>• Objectives / Facilities management</li> </ul>
8	Projects going forward and financial spend
9	Any other business
10	Proposed next meeting

Agenda item
<p><b><u>1. Accept minutes of last meeting</u></b></p> <p>The minutes were accepted.</p>
<p><b><u>2. Action log review</u></b></p> <p>Action points from the previous Committee meeting were updated.</p>
<p><b><u>3. Publication of BAC minutes</u></b></p> <p>The minutes from 19 September 2014 are now published on the Productivity Partnership website, <a href="http://www.buildingvalue.co.nz/BIM-in-NZ">www.buildingvalue.co.nz/BIM-in-NZ</a>. Minutes are to be published for all future meetings.</p>
<p><b><u>4. BIM Survey</u></b></p> <p>Eboss, in conjunction with Masterspec and the BIM Acceleration Committee, has gone out to market with a BIM survey to get wider industry feedback on the current appreciation of BIM in New Zealand. The survey includes four questions as identified by the BIM Acceleration Committee. The survey will close at the end of October and results will be available by December / January.</p> <p>Eboss will run another BIM survey on behalf of the Committee that is specifically orientated for a target control group. The control group is comprised of significant organisations who will be surveyed on an annual bases for a 5 year period to provide feedback of how BIM is progressing in our market. Through the control group the Committee will have a better understanding of what the market is truly doing.</p>

The control group is in the final stages of coordination with surveying due to begin next week. Results will be available in early 2015.

## **5. BIM object interoperability standards / library update**

The committee was updated on discussions with industry representatives since the last meeting. The committee confirmed it wanted to see a process that would deliver metadata standards that were agnostic in terms of system, product and programmes and pragmatic. It is also considered important that the process for developing metadata / interoperability standards needs to not only generate a solution that is agnostic to current participants but must be developed transparently so that all industry participants potentially affected by the outcome can be confident in the process used.

The advantage of the proposed approach was its potential for the end users of BIM models to define what they will need from the models – creating demand pull for the use of BIM and how it is provided, particularly beyond the initial design and construction phases.

One option would be for a project plan that is clearly separated in to distinct decision making phases of:

- Problem definition
- Success criteria
- Option generation
- Option selection

Different members of the acceleration committee will be able to add value to different phases of the process, which may make supporting the process more manageable.

**Objective** / problem to be solved by the process – which appears to be focused on defining metadata standards that will enable:

- Creation of both generic and product specific BIM objects
- Establishment of BIM object libraries
- Interoperability between BIM models and other electronic tools that end users might want to use particularly for asset and facilities management.

**Success criteria** for the metadata standards - Which could be based on the principles developed by the Acceleration Committee (agnostic and pragmatic)

**Option identification** - which should be primarily focused on understanding what options exist internationally. Additional expertise would add a lot of value to this phase.

**Option selection** - Which could be in the form of the working group confirming which of the options they think best meet the success criteria and address the initial objective. It may be necessary to agree ahead of time how the project will progress if there is no single option that is superior to all other options. Alternatively it may be that the option selection is driven by the clients who are likely to use the output of the BIM models in the longer term.

The committee noted that the current composition of Winstone Wallboards' initiative did not include a lot of asset or facilities management companies who could benefit from widespread adoption of BIM capable of sharing data with the tools they use for asset and facilities management. Options for additional representatives were discussed.

It was also noted that a shared understanding of terminology, meanings and how the concepts of metadata standards, metadata schema, BIM objects, BIM object libraries and interoperability would aid discussion of these complex ideas.

The committee agreed that while the establishment of BIM object libraries is comparatively low priority establishing metadata standards that would enable interoperability (and subsequently object libraries) is of higher priority. The acceleration committee agreed to establish a project team (and terms of reference) to work directly with Winstone Wallboards.

The project team will revisit the project plan in light of this discussion and

- 1 discuss with Winstone Wallboards on where the committee is getting to in its thinking.
- 2 Discuss with Masterspec how they can contribute expertise to the development of the metadata standards
- 3 Discuss the project plan with a selection of asset and/or facilities management companies who could contribute to the initiative
- 4 Report back to the committee at its next meeting on progress and how the acceleration committee will work with the National Technical Standards Committee on this work.

## **6. Government BIM Symposium, 13 October, Singapore**

The Symposium was a forum for government agencies from different countries to share their experience and exchange information on BIM related issues with Singaporean government officials. See [www.scpw.sg/bim\\_symposium.html](http://www.scpw.sg/bim_symposium.html).

Observations from the Symposium include:

- The rate of BIM adoption in NZ is comparable with other countries that are leading the way.
- BIM adoption in NZ is through the interest of industry rather than through Government incentives or mandate.
- Where NZ has paid close attention to Asset and Facilities Management advantages through the use of BIM, there was little mention of either at the Symposium.
- Other countries are also beginning to consider the potential integration of BIM data with Geospatial – this is a strong emergent trend.

## **7. BIM acceleration core projects**

### ***Government as a client***

The project will identify and support Government construction clients to use BIM and raise awareness of the benefits. A roadshow to target key decision makers is earmarked for early 2015 in Auckland, Wellington and Christchurch.

A “Procuring for BIM” insert will be prepared for the Government Procurement Routemap that is under development.

### ***Group Home builders as a client***

Little interest has been shown from group home builders to date but as opportunities arise the project team will continue to monitor for any interest shown.

### ***Case studies***

Four completed case studies have been released on the website [www.buildingvalue.co.nz/BIM-in-NZ](http://www.buildingvalue.co.nz/BIM-in-NZ). Additional case studies are progressing.

As the suite grows the project team will identify areas of the BIM handbook “Uses of BIM” not covered by the case studies and identify how to achieve full coverage.

### ***Communications and awareness raising***

A presentation will be made to the Auckland Infrastructure and Procurement forum to inform industry of the BIM Acceleration Committee strategy and progress to date.

### ***Industry training***

The project team identified several options for BIM training for practitioners. The recommendation was for the Committee to engage BRE to run a BIM Foundation Course for candidates and an additional

train-the-trainers course for nominated members of professional institutes. BRE was selected as it is strongly supported by the UK Government and achieves BIM accredited professionals with a register of accreditation. The BRE course can also retrofit into NZQA.

BRE have confirmed they are able to run the two courses in early 2015 and that these courses would be adapted for New Zealand to match the BIM handbook and NZ codes and practices. The project team will seek the course content from BRE before contracting to ensure suitability for NZ and will identify strategies to ensure full participation in both courses.

The Committee recommended funding for a tertiary BIM workshop to be held on 4 December 2014. The workshop aims to find alignment between tertiary providers across NZ in BIM offerings to ensure that those entering the industry have the same basic understandings of BIM as those passing through the BIM Foundations course being proposed for industry.

The agenda looks at agreements for increasing levels of commitment that may be possible at and between tertiaries. The proposed levels which are to be explored are common terminology and processes, a core BIM 101 curriculum and cross-disciplinary coordination on BIM curricula.

### ***Contract terms and conditions***

NZ does not currently have a formal contractual framework supporting the use of BIM on construction projects. Key contractual considerations have been identified through international BIM contractual documents and will be agreed upon at an upcoming workshop attended by a range of external organisations and industry bodies.

The workshop will also address the structure of the intended guidance material and two NZ BIM contractual documents proposed; one for use with consultancy agreements and the other for used with construction contracts.

### ***Objectives / Facilities Management***

The project team will frame objectives / facilities management as a project.

The Facilities Management Best Practice Group will be a key collaborator for this project to ensure there is no duplication of effort in this space.

## **8. Projects going forward and financial spend**

Project leads will send financial projections to the chair to enable forecasting.

## **9. Other business**

The Committee noted the existence of the EECA design advice grant. See [www.eecabusiness.govt.nz/services-and-funding/commercial-buildings/commercial-building-design-grants](http://www.eecabusiness.govt.nz/services-and-funding/commercial-buildings/commercial-building-design-grants)

Next National Technical Standards  
Committee meeting to be held at:

Monday, 8 December 2014, 10am – 11am

Next BIM Acceleration Committee  
meeting to be held at:

Monday, 8 December 2014, 11am – 1pm