



## 1. Minutes for the BIM Acceleration Committee

Wednesday, 1 November 2017, 11:00am – 1:00pm

Agenda Item #	Agenda Item
1	Acceleration Committee Membership
2	Budget and in kind & Quarterly Report
3	Terms of Reference
4	Programme Plan Review
5	High Level Results of EBOSS Survey and Comparison of BIM 201
6	Greater use of BIM across the value chain – research results

### 1. BAC Membership

Paul Singleton has reluctantly resigned from the Acceleration Committee for family reasons.

Taija Puolitaival has resigned as chair of the Tertiary Education Working Group. The Committee extended their thanks to Taija for the energy she has brought to the working group.

### 2. International BIM conference and Singapore Construction Productivity Week

Seth Campbell, MBIE Manager, System Design and Implementation summarised his first impressions of the conference he attended in late October. The Singapore Building and Construction Authority (BCA) described the range of efforts and success in improving the productivity of the building and construction sector. The indications are the initial costs to shift to higher skilled workers; including technology is starting to pay off in productivity benefits. The requirement to use BIM based on size of a building is being extended to smaller buildings and is working. There are challenges in getting BIM adopted by smaller firms and a continued need to build capability in these firms.

Key learnings from Singapore's experience for NZ include:

- BIM is not a destination but a journey and it will never be 'done'.
- Collaborative contracting is the issue at present: to ensure that the costs of using BIM are reduced down the line. They may have cracked it. Subcontractors are being required to use BIM by the primary contractor.
- Prefinished, prefabricated volumetric construction (PPVC) generates huge efficiencies from BIM.
- Using common data platforms is needed.
- The final asset owners' definition of their data needs, and insisting on these through the project, is very important.

- Using BIM is business as usual in Singapore (and where NZ needs to get to).
- Construction contractors have already adopted BIM in Singapore. It is yet to happen in NZ.

### **3. Greater use of BIM across the value chain**

The final analysis of the quantitative and qualitative research on BIM use across a wider group of users was presented to the Acceleration Committee. The key findings from the two reports were:

- BIM is used across a wider portion of the sector. Smaller firms / firms further down the value chain are not likely to use BIM as much.
- Experience similar benefits to the control group.
- Are less likely to use all of the features available with BIM.
- Are less likely to experience some of the technical challenges of the control group. The wider group and specialist trades / product suppliers experience similar barriers to using BIM more, including internal capability / accessing training, and clients being clear about what they really want as early as possible in the process.

The quantitative survey highlighted that architecture firms in the wider group are less likely to use BIM execution plans (BEPs). This may in part be a reflection of taking a 'BIM light' approach to projects, where the BIM principles may be used, but it is not explicitly referred to / or not fully used. This may be due to clients wishing to avoid the management costs associated with using BIM and the regulatory system (and contractors) using 2D output.

The implications for the Acceleration Strategy were a continued or increased focus on:

- Communication to a wider audience – using professional bodies and other channels – with a focus on what practitioners can do to use BIM better / more
- More training opportunities
- Creating more competence in clients (including government) in specifying BIM, and procuring construction projects that will make it easier to get the full range of productivity benefits from using BIM
- Continuing to reduce the technical barriers / difficulties using BIM
- Engaging with contractors more.

The final reports will be published on [BIMinNZ.co.nz](http://BIMinNZ.co.nz).

### **4. Programme Plan Review**

The Acceleration Committee reviewed the projects, progress and resource requirements to ensure momentum in delivery. A number of actions were identified during this discussion.

#### ***Industry and Tertiary Training***

BIM101 will be re-run for an Auckland audience with the primary purpose to record a number



of short (8 – 10) minute videos for hosting on line. This will be completed instead of offering BIM101 in person in 2018. Promotion of the video content will be a critical success factor for this approach.

Virtual project proposal is being developed for delivery by Tertiary Institutes, outside their academic terms. This will either be delivered in early or mid-2018 depending on take up by the universities.

A New Zealand tertiary education framework has been developed and will be available on BIMinNZ.

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

The method of delivery for this project may need to change. A review / refresh will be developed for further discussion.

#### ***Increased Support for Collaboration***

A thought piece has been developed for discussion with the wider sector, and possibly for inclusion as an appendix to the BIM handbook.

#### ***More demand pull – for asset and facilities management***

A workshop with some major property owners has identified a number of themes of what these clients want from BIM for asset and facilities management of a new building. These themes have been developed into a thought piece, using the recently completed Mason Brothers building as a specific example and potentially a case study for BIMinNZ.co.nz.

#### ***Interoperable and reliable data along the value chain***

The three Victoria University students continue their BIM research. Preliminary results are expected later in November 2017.

#### ***Telling the BIM Story to existing and new audiences***

It is timely to review the approaches the Acceleration Committee is taking to responding to the needs of the wider audience identified earlier in this agenda. This could be reflected in how the think pieces that are being developed are dismantled and promoted. A specific proposal will be brought to the committee for its consideration at the December 2017 meeting.

### **5. Australian Institute of Quantity Surveyors**

The NZIQS thanked the Acceleration Committee for permission to use the NZ BIM handbook. They have reviewed the handbook and are reviewing the definitions of application in an

Back to [top](#)



Australasian context. They will forward any suggestions for the next edition of the hand book at the end of their review.