

# BIM Education

*E Education*

**E**

**BIM IN PRACTICE**



Australian  
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Architects

# BIM Education

## E Education

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### E BIM Education

E1 BIM Education and BIM Learners

E2 BIM Learning Providers

E3 BIM Learning Spectrum

## E Education [Version 1 – August 2012]

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## PREFACE

Building Information Modelling (BIM) is a transformative approach to designing, constructing and operating the built environment. BIM includes a wide range of concepts, tools and workflows which need to be learned and applied by industry stakeholders. BIM Education represents the process of acquiring the necessary knowledge and the required skills to generate BIM deliverables and satisfy their respective requirements.

The documents gathered here stem from the efforts of the BIM Education Working Group (EWG). The EWG started its six month mandate back in December 2011 and included 11 members, equally split between industry (practicing professionals) and academia (university/TAFE lecturers and researchers).

There are three documents in the BIM Education section. Read together, they represent the position of the EWG, an invitation for an open discussion, and a foundation for further work. Read separately, each document covers a specific aspect of our work:

- **Document E1** introduces BIM Education, the group's objectives and the structure underlying this effort. It also identifies BIM Learners and their varied requirements
- **Document E2** identifies BIM Learning providers and the current status of BIM Education
- **Document E3** introduces the BIM Learning Spectrum and a draft Collaborative BIM Education Framework

At the conclusion of each document, a summary set of BIM Educational Principles (EP)s is provided. These 20 principles highlight the group's position and provide opportunities for future discussions covering:

- **why** BIM Education is the shared responsibility of industry and academia
- **what** needs to be done to identify the BIM learning requirements of all construction industry stakeholders
- **where** best to start in a suitably comprehensive BIM learning approach
- **who** needs to participate in defining, developing and delivering BIM education
- **how** best to convert BIM educational principles into BIM learning opportunities
- **when** a BIM education mechanism can be instigated to deliver BIM learning dividends

The BIM Education working group hopes this effort resonates well with all those who stand to benefit from a collaborative approach to BIM Education. We also hope the three documents, the framework and the embedded principles instigate a fruitful discussion between - and within - industry and academia.



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