

BIMcreds: Recognising BIM Skills Excellence



Discussion

- **buildingSMART Australasia**
- **Why is the BIMcreds platform needed?**
- **How is the BIMcreds platform structured?**
- **What is the scope of the BIM Fundamentals test?**
- **Where and when can you do the BIM Fundamentals test?**
- **What is the future for BIMcreds?**

buildingSMART Australasia

- **Not-for-profit Industry-led Organisation:**

- **1994** - Industry Foundation Class (**IFC**) as a neutral product model
- **2017** - **openBIM** to reduce risk, reduce waste and be more productive
- Australia and New Zealand

- **buildingSMART International:**

- technical standards development work
- Global experience, information and resources

- **Australia and New Zealand:**

- Advocate for open standards, collaborative processes and integrated practices to:
 - Govt and Industry
 - Building and infrastructure

Why is the BIMcreds platform needed?

- **Successful BIM experiences and up-take rely upon skilled people.**
- **There is no specific qualification to rely upon yet.**
- **It's very difficult for:**
 - Building owners to assess which organisations employ skilled BIM personnel.
 - Employers to assess the BIM skills of job applicants.
 - Skilled BIM individuals to differentiate themselves from the pack.
 - Industry to measure its BIM skills and skill development needs.
- **Its similar to the early days of Sustainability:**
 - Registered Greenstar Professional

How is the BIMcreds platform structured?

BIM Knowledge and Skills Framework: An Introduction



Strategic Forum
for the Australasian Building and
Construction Industry



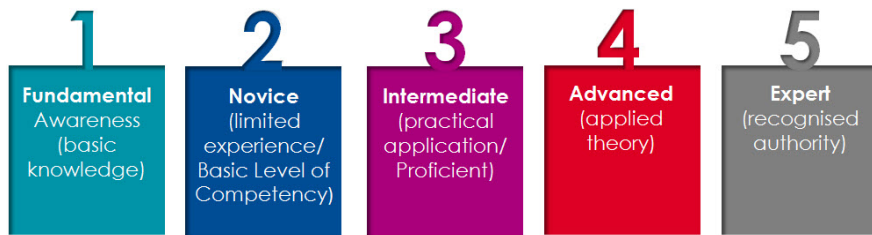
<http://buildingsmart.org.au/bimcreds/bim-knowledge-and-skills-framework/>



- **APCC/ACIF BIM Knowledge & Skills Framework, released 7 March 2017 (BK&S Framework) comprises:**
 - Stakeholder groupings - **Five modules:**
 1. Client – BIM **users** ie owners, client rep, project manager, QS, etc
 2. Design – BIM **authors** ie architect, engineer, etc
 3. Construction – BIM **consumers** ie builder, subbie, QS, program, etc
 4. Manufacture – suppliers, fabricators, etc (**future** development)
 5. Facility - site, facility and asset managers, etc (**future** development)

BIM Knowledge & Skills Framework?

- **Grading levels** are used to define the expected level of knowledge and skill required for each example role.



Knowledge Areas: The most popular being Project Management Body of Knowledge – PMBOK. Mapping to this structure resulted in the following Knowledge Areas:

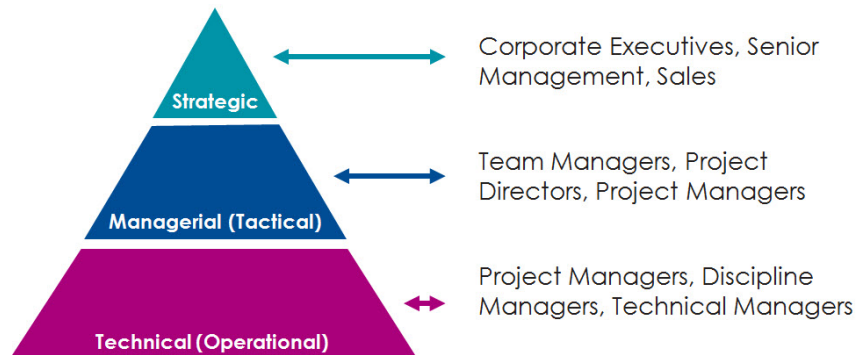
- 1.000 Introduction
- 2.000 Start Up
- 3.000 Initiation
- 4.000 Planning
- 5.000 Execution / Operation
- 6.000 Monitoring And Controlling
- 7.000 Closeout / Handover / Commissioning

<http://buildingsmart.org.au/bim-creds/bim-knowledge-and-skills-framework/>

BIM Knowledge & Skills Framework?

- Responsibility levels - **Three sub-modules** that follow the traditional business pyramid functional hierarchy:

1. Strategic
2. Managerial (tactical)
3. Technical



- Developed through practitioners with a diverse experience profile

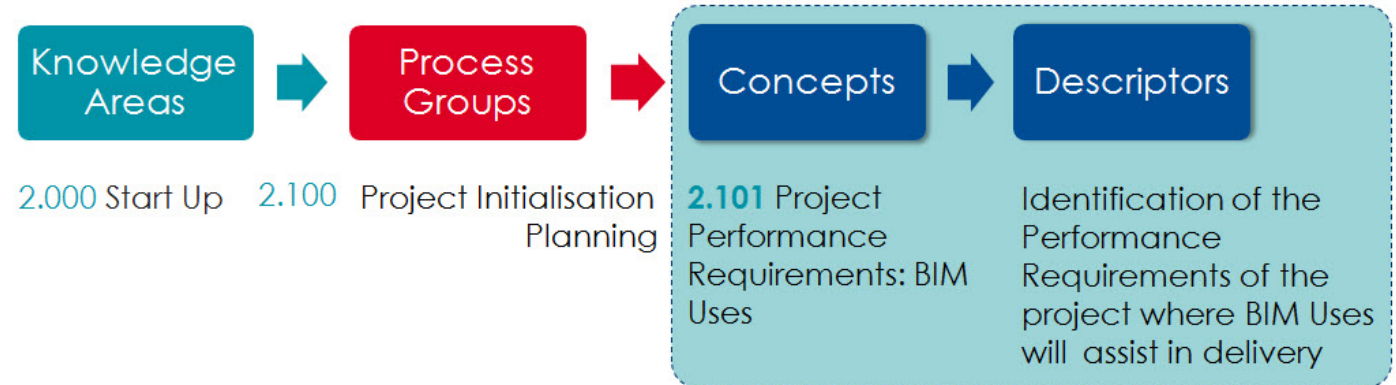


<http://buildingsmart.org.au/bim-creds/bim-knowledge-and-skills-framework/>

BIM Knowledge & Skills Framework?

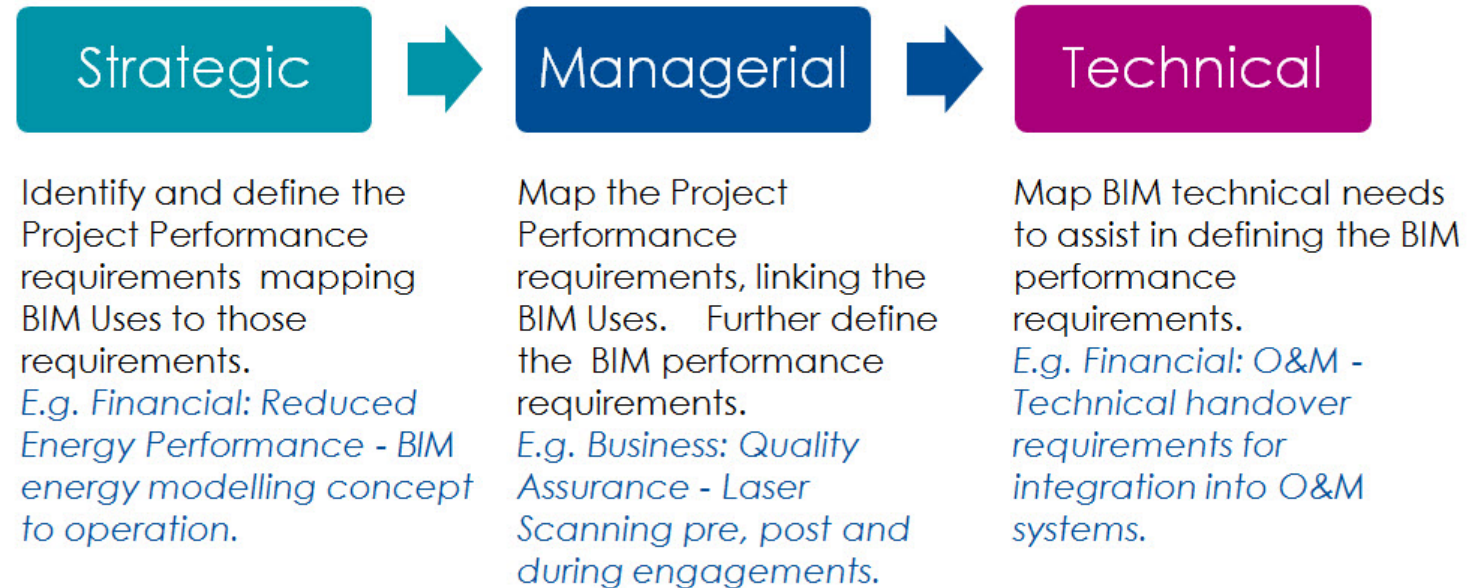
Concepts and Descriptors

Provide thought direction



Descriptors for Each Hierarchy Level

Delineation relevant to role



What is the scope of the BIMcreds – BIM Fundamentals test?




▪ Three modules:

- Client
- Design
- Construction

▪ Three sub-modules (50 questions):

- Strategic
- Managerial
- Technical

 CLIENT	Procurement / Contract Officer	BIM Procurement Advisor / Contract Specialist	Project Director	Project Manager	BIM Manager
Strategic	●	●	○		
Managerial			●	●	○
Technical					●

What is the scope of the BIMcreds – BIM Fundamentals test?



▪ Tests an individuals existing knowledge:

- At a point in time
- Provides a certificate of completion to:
 - Generate proof of expert knowledge
 - Gain CPD (Continuing Professional Development) points
 - Strengthen their resume.

▪ Two attempts allowed:

- 60 mins duration each
- 80% pass rate

▪ It's not a:

- teaching or learning tool; or a
- Certificate of competency as an Architect, Engineer, etc

Where and when can you do the BIM Fundamentals test?

Peer Review_BIMcreds 101: Designer - Strategic Role

Time left: 1:25:13

Question 3 of 56

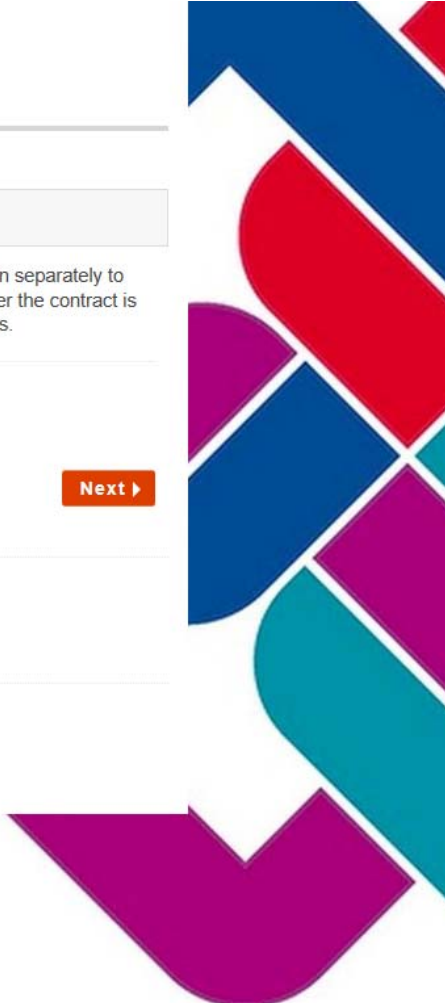
Some contracts in ANZ have the Scope of Services or Requirements section written separately to the BIM deliverables section. This creates difficulties as a higher level of review over the contract is required to ensure deliverables can be achieved consistently between both sections.

True

False

Next ▶

Save and finish later



- **Subscribe now to bSA at**
 - <http://buildingsmart.org.au/support/>
- **Register your interest now at:**
 - <http://buildingsmart.org.au/bimcreds/>
- **BIM Fundamentals:**
 - Design - Released **Jun 2017**
 - Client & Contractor - Planned release date **Sep 2017**

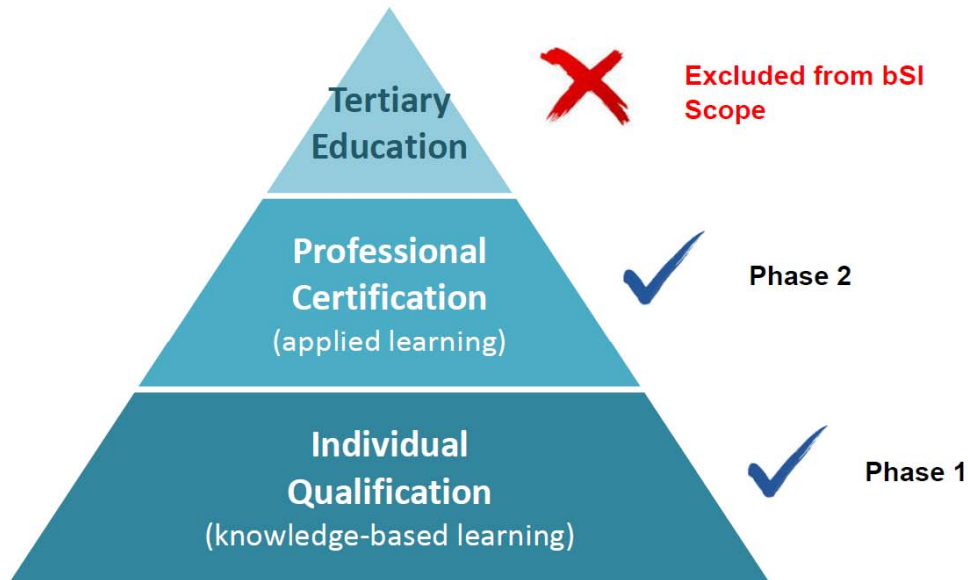
What is the future for BIMcreds?

- **Establish a custodian group that is responsible for:**
 - BK&S Framework
 - Curating BIMcreds tests and question banks
 - Developing “Scout Badges” ie 4D, 5D, .ifc
 - Identifying and developing new skill tests
 - Creating a skills development community
 - Establishing result reporting
 - Distributing results to Universities, RTO’s and industry
- **Consider exam expansion into:**
 - Project examinations
 - Business examinations
- **Being mindful and working with others:**
 - buildingSMART International
 - BIMexcellence.com
 - BSI Group

What is the future for BIMcreds?

▪ Move toward international certification:

- buildingSMART international accreditation project
- Update with changes in the international landscape



Programme Scope & Phases



Thank you

bSA Board members



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For more information about the **Australian National BIM Initiative**, see
<http://buildingSMART.org.au/national-strategy-for-bim-adoption>

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