industry news

Technology Innovation in the Built Environment

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MelBIM

OPV highlights: <u>Website – 4.3 times more sexy</u>
DAP Update
Offsite Construction Guide

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Global BIM Network

BIM | Global Network — Information Collection ⌄   GlobalBIM Playbook   About Us ⌄   News & Events ⌄   Contact Us   🔍

Our vision is a global digital built environment that delivers benefits for people and places

The Global BIM Network connects the international public sector and multi-lateral organisations to advance the digitalisation of the global built environment

Learn more

Public Sector Construction Digital Transformation Playbook

www.globalbim.org

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Harmonise & Standardise BIM Stuff ~~or maim anyone who tries something different~~
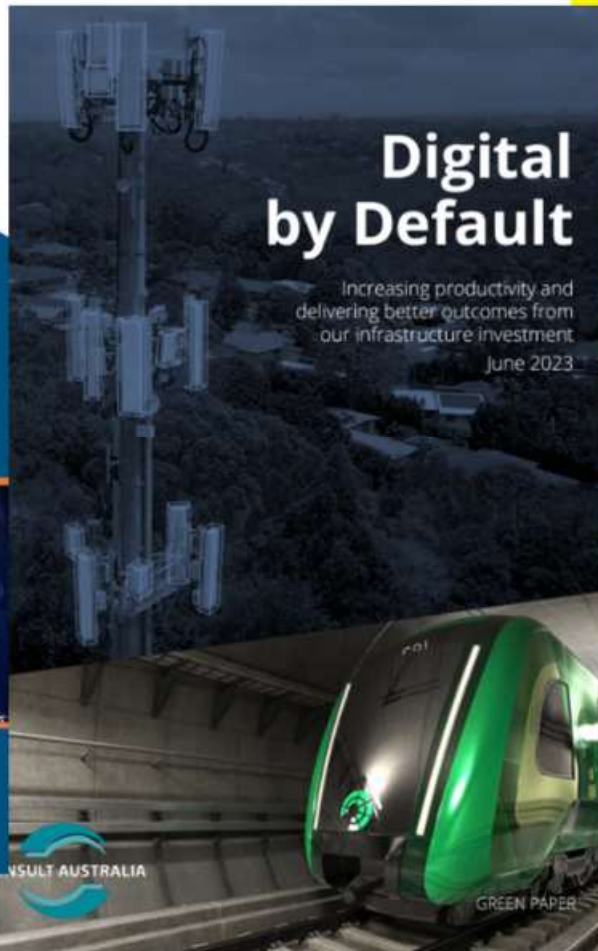
abab.net.au

ABAB
AUSTRALASIAN BIM ADVISORY BOARD

Harmonisation of Building Information Modelling and Digital Engineering Services Procurement

A GUIDE TO CONTEMPORARY PRACTICES

Making it easier for suppliers to do business with the government

coming soon

www.abab.net.au

Technology Innovation in the Built Environment

Digital by Default

Increasing productivity and delivering better outcomes from our infrastructure investment

June 2023

CONSULT AUSTRALIA

GREEN PAPER

STANDARDS Australia
CELEBRATING 100 YEARS 1922-2022

May 2023

Digital Engineering

INTRODUCING THE COMMON DATA MODEL

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NATSPEC National BIM Guide

1. NATSPEC National BIM Guide

First published 2011, updated 2016 and 2022

To assist clients, consultants and stakeholders to clarify their BIM requirements for construction projects in a nationally consistent manner

Main features of the 2022 edition:
- AS ISO 19650 alignment
- New content and restructure

2. AS ISO 19650 alignment

Why align the Guide with AS ISO 19650?
- Represents latest evolution of construction information management principles
- International adoption
- Well supported by guidance material

Alignment enables it to:
- Leverage the value of an international framework
- Work with the standard in a complementary way

3. Guide structure

Core document · Appendices · Templates

4. Appendices

Appendix A – Glossary
Appendix B - AS ISO 19650 Resources Descriptions
Appendix C - BIM Use & Enabler Descriptions
Appendix D - Defining Information Requirements

5. Information requirements templates

- Provide a place to specify the information required by the client/ Appointing Party
- Used by Clients/Appointing Parties, their agents and advisors during the preparation of invitations to tender

Templates for:
- Asset information requirements (AIR)
- Project information requirements (PIR)
- Exchange information requirements (EIR)

Project BIM Brief Template retained for simple projects

6. BIM Execution Plan (BEP) Template

Provides a place to specify who will do what, when and how regarding information production and management when responding to specified information requirements

Used by Tenderers/Prospective Appointed Parties and Delivery Team when responding to the invitation to tender and afterwards
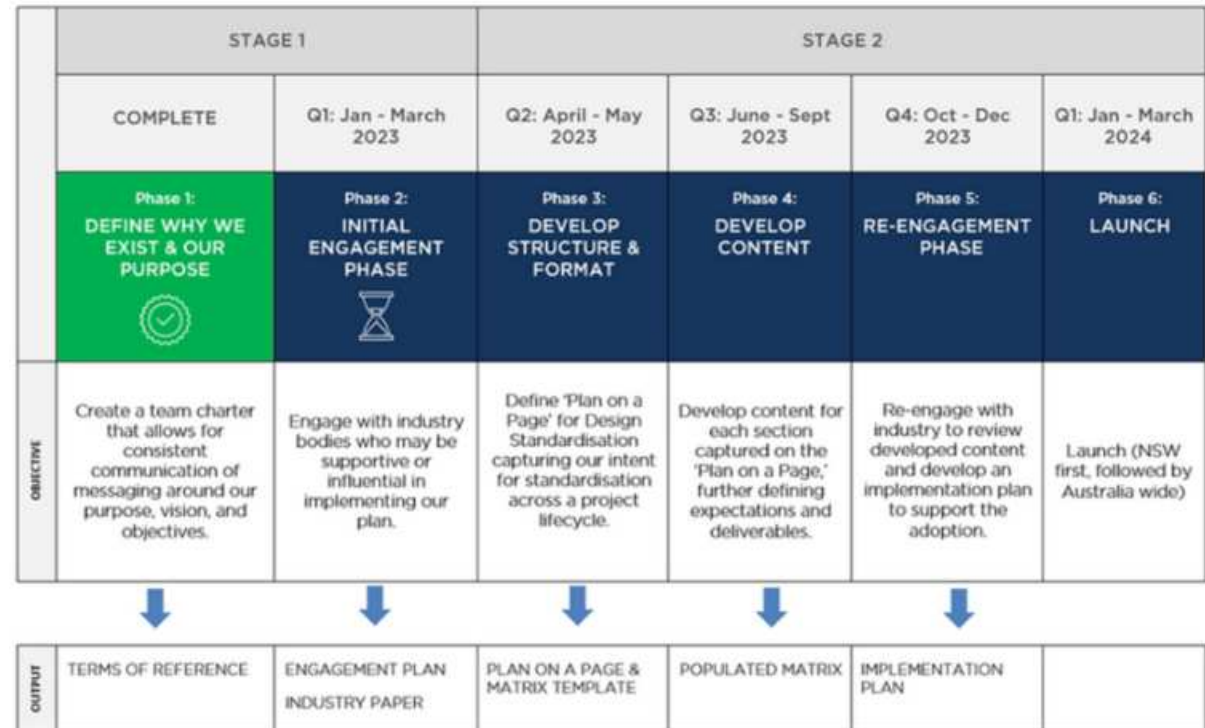
7.

BIM Portal: https://bim.natspec.org/   Email: bim@natspec.com.au

it's all free

bim.natspec.org   bim@natspec.com.au

Australian Framework for Design Services

Key issues arising comprise:

- Poor quality design and documentation
- Misalignment of documentation to each project delivery stage
- Variance in the level of detail required at each project stage
- Disparate adoption of digital design, digital twins, BIM live environments
- Incongruous transfer of high risk to supply chains
- Frustration from the project delivery team (abortive work, misinterpretation, misalignment)
- Significant cost estimate variance resulting in investor apprehension and client hesitation in key cost driven decisions
- Misalignment of documentation with regulatory approval requirements.

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	STAGE 1		STAGE 2			
	COMPLETE	Q1: Jan – March 2023	Q2: April – May 2023	Q3: June – Sept 2023	Q4: Oct – Dec 2023	Q1: Jan – March 2024
	Phase 1: DEFINE WHY WE EXIST & OUR PURPOSE	Phase 2: INITIAL ENGAGEMENT PHASE	Phase 3: DEVELOP STRUCTURE & FORMAT	Phase 4: DEVELOP CONTENT	Phase 5: RE-ENGAGEMENT PHASE	Phase 6: LAUNCH
OBJECTIVE	Create a team charter that allows for consistent communication of messaging around our purpose, vision, and objectives.	Engage with industry bodies who may be supportive or influential in implementing our plan.	Define 'Plan on a Page' for Design Standardisation capturing our intent for standardisation across a project lifecycle.	Develop content for each section captured on the 'Plan on a Page,' further defining expectations and deliverables.	Re-engage with industry to review developed content and develop an implementation plan to support the adoption.	Launch (NSW first, followed by Australia wide)
OUTPUT	TERMS OF REFERENCE	ENGAGEMENT PLAN INDUSTRY PAPER	PLAN ON A PAGE & MATRIX TEMPLATE	POPULATED MATRIX	IMPLEMENTATION PLAN	

survey>
australianframeworkfordesignservices.com.au

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buildingSMART

buildingSMART Australasia

ADVOCATE

CREATE

FACILITATE

EDUCATE

❏ New CEO has been appointed to buildingSMART international – Clive Billiald

❏ BSI In the process of developing a strategy for the future of buildingSMART and Open Standards. Working with chapters/members to drive strategy

❏ BSI buildingSMART awards have closed and currently being judged

❏ buildingSMART Professional Certification – More trainers coming on board, many people who had BIMCreds certification have now converted to Pcert buildingSMART certification. Welcome more organisations to become buildingSMART certified trainers

❏ IFC4.3 reviewing ISO comments, pushing to gain ISO certification. Working group testing the schema in Australia with buildingSMART members, aiming for February publication

❏ Currently working on a series of IFC technical workshops in collaboration with University of Technology Sydney to run later in the year

❏ Involved with Government and other industry bodies advising on standards and education
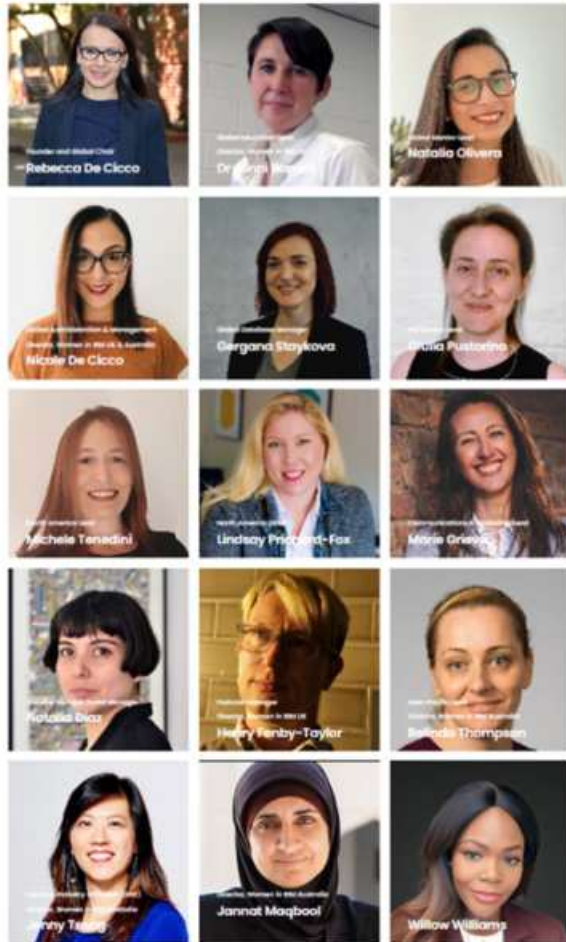
❏ MoU signed with Women in BIM

CEO Clive Billiald

ABAB Meeting – July 2023

Wi3 Recognising and Supporting Women in BIM

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Meet the WIB Global Team.

Upcoming WIB Events.

WIB Networking Event - Sydney, Australia

Thursday 3 August, 2023 | 4.00pm to 6.30pm (AEST)
Mott MacDonald, Level 10, 383 Kent St, Sydney, NSW 2000

WIB Networking Event - Melbourne, Australia

Thursday 17 August, 2023 | Time TBC
Location – TBC

Location: University Technology Sydney (UTS)
Date: Wednesday 8 November

Women in BIM Conference 2023
Sponsorship Opportunities

Sydney, Australia
November   London, UK
November

Scan the QR code to complete the survey

The WIB Global Work Survey
BIM and digital roles across the built environment

We are now looking for sponsors for the Conference!
Please get in touch with us at info@womeninbim.org if your company is interested.

upcoming events

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3-5 OCTOBER | VIRTUAL

IoT

5G

Simulation

Smart Cities

Artificial
Intelligence/Machine
Learning/Deep
Learning/Representation
Learning

Computer Vision

Location Intelligence

Remote Sensing

Climate Change

Cybersecurity

Security & Defence

Privacy & Private
Computing

an integrated approach for a better world

DIGITAL TWINS 2023

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digitaltwins2023.com

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- **Navigating the future**
- **Using technology for better decisions, better solutions**
- **Sustainable engineering**

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AUSTRALIA

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Conference

Climate Smart Engineering 2023

8.30am — 6.00pm, 29 — 30 November 2023

1 Convention Centre Place, South Wharf, VIC, 3006

Melbourne Convention and Exhibition Centre

Overview   Themes   Registration   Speakers   Program   Location   Sponsorship

Register now >

- **Circular economy**
- **Tech + innovation**
- **Adaptation and mitigation**
- **Systems thinking**
- **Resilience**
- **Regeneration**

12d Tech Forum 2024
Brisbane | 28-30 July, 2024

Innovation Awards 2024   Know Before You Go   **Register Now**

The Project

The 12d Tech Forum is Back for an Incredible In-Person Event

Get Ready for an Unforgettable Experience in Sunny Brisbane! After Six Long Years, the 12d Tech Forum Returns to BCEC in 2024.

We've extended the Early Bird Pricing Discount for the 12d Tech Forum 2024 based on popular demand. Don't miss out on saving $100. Act now and book before the end of July!

Register Now

Do not miss out! Prices increase in

7 DAYS   15 HOURS   23 MINUTES   51 SECONDS

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tech stuff

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MEL**BIM**

Autodesk Forma

✓ Automatic datasets
Forma sources specific datasets such as terrain, buildings and boundaries (selected markets only).

✓ Powered by cloud computing
Continue to design while you run analyses in the cloud. See the results in seconds or minutes.

✓ Parking design
Rapidly get relevant parking metrics including number of parking spots and access driveways.

✓ Free viewer access
Share your projects in the cloud with team members, regardless of subscription status.

Real-time analysis informs your design impact
Leveraging machine learning models to give real-time results.

Hosted by Nathan Hildebrandt

Latest:
The Digitisation of the Construction Industry with Chris Razzell

BIM Education in High Schools with Alison Watson MBE

50

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eComply - Digital Twin for Building Compliance

Introducing 3D enabled
self-service compliance tests

- Assessing single dwelling home designs using Small Lot Housing Code
- Industry trial completed
- Testers reported potential saving of 2-4 weeks
- Now in use at 7 live development estates
- Commercial launch in August
- Leveraging IFC for submissions
- Upcoming release of BIM drafting guideline

Digital Twin Victoria / Shaping our digital future

Supported by delivery partner

Archistar

90
Compliance checks in 90 seconds

2-4
weeks' time reduction per design

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ConstructGPT

CONSTRUCTION INTELLIGENCE

Arriving soon ...

Add me to the waiting list for early access.

Your name

name@domain.com

Register

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Tonight's conversation starter: