ASSET INFORMATION
REQUIREMENTS

Richard Choy - CEO
NATSPEC // Construction Information
Founded in 1975, with the objective to improve the construction quality and productivity of the built environment through leadership of information.
We are a not-for-profit organisation owned by government and industry.
Building Information Modelling

BIM is a digital form of construction and asset operations. It brings together technology, process improvements and digital information to radically improve client and project outcomes and asset operations. BIM is a strategic enabler for improving decision making for both buildings and public infrastructure assets across the whole lifecycle. It applies to new build projects; and crucially, BIM supports the renovation, refurbishment and maintenance of the built environment – the largest share of the sector. (EU BIM Taskgroup, 2018)
NATSPEC National BIM Guide

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

7.1 Project Definition, Planning and Pre-Design
7.2 Architectural Modelling (Design)
7.3 Structural Modelling and Analysis
7.4 MEP Modelling and Analysis
7.5 Quantity Take-off and Cost Planning
7.6 Construction Models
7.7 Facilities Management/As-built Models
BIM at the Perth Stadium
Contributing Disciplines

FEDERATED MODEL
Currently made up of 105 Model Pieces

- Design model pieces
- Structural model pieces
- Services model pieces
- Other model pieces

Design Models | Structural Models | Services | Models | Other Models
---|---|---|---|---
MULTIPLEX | CATELINK | AXIS Services Group | bluecube |
parametric | HASSELL | Firesafe | ELEPHANTS FOOT |
| CIVMEC | MakMax | mpm group | G| | |
| | Australia | | | | |
| | PHILIPS | | | | |
| | PERMAcast | | | | |
| | yuanda | | | | |
| | Sanwell | | | | |
| | NILSEN | | | | |
| | PROFURN | | | | |
Government Shareholders

- Chief Minister, Treasury and Economic Development Directorate (ACT)
- Dept of Finance (Federal)
- Dept of Finance (WA)
- Dept of Finance, Services and Innovation (NSW)
- Dept of Housing and Public Works (QLD)
- Dept of Infrastructure, Planning and Logistics (NT)
- Dept of Planning Transport and Infrastructure (SA)
- Dept of Treasury and Finance (TAS)
- Dept of Treasury and Finance (VIC)

NATSPEC provides the baseline level of quality for Government and quality projects
Australasian BIM Advisory Board
- Strategic Statement

Vision: ‘Improved productivity and asset outcomes’

Strategy: To take a leadership and coordinating role in the consistent adoption of BIM and associated integration and collaborative processes.

Coordination & Collaboration
Awareness & Education
Asset Information Requirements Guide

Exchange Information Requirements (EIR)
The client’s information exchange requirements, e.g. data formats, exchange dates and procedures applicable to the AIR and PIR

Asset Information Requirements (AIR)
The information the client needs during the operational phase of an asset

Project Information Requirements (PIR)
The information the client needs during the project delivery phase
5. Definition of Asset Information Requirements

5.1 Strategic considerations

5.2 Initial Scope and Structure

5.3 Asset selection

5.4 Asset property selection

5.5 Asset information model (AIM) structural integration

5.6 Review and finalisation
7. Asset Information Model

Documents

7.1 Existing handover documentation expectation

7.2 Additional handover documentation for asset management/facilities management (AM/FM)

7.3 Delivery format

7.4 Linking to other elements of the asset information model (AIM)
Governance of BIM

Health Infrastructure BIM Requirements for Projects

- Project BIM Brief: by Project Director
- Design BIM Management Plan: by Architect
- Construction BIM Management Plan: by Contractor

NSW Government Health Infrastructure
Questions

FOR FURTHER INFORMATION
GO TO
www.NATSPEC.com.au