

ACMA identified that BIM was perceived by many to be too complex, and that there were a number of factors inhibiting efficient BIM process such as; lack of standards, industry shortage of BIM skills, lack of clarity in responsibilities and deliverables, and diverse understanding of BIM. BIM-MEP<sup>AUS</sup> was formed to meet these challenges by providing practical solutions developed through collaboration among key Australian building services practitioners and peak industry bodies. These solutions include; BIM workflow solutions, standards, redefine model content scheduling, provision of suppliers model content, and BIM education.

- Start in 2010 by AMCA, an industry initiative address the barriers holding back the adoption of IPD & BIM in Australian BS sector
- Providing practical solutions developed through collaboration among key Australian building services practitioners & peak industry bodies.
- Formed a whole industry Steering Committee including architects, head contractors, consultants, specialist sub-contractors, equipment manufacturers & suppliers.

The BIM MEP<sup>AUS</sup> website has a bunch of useful information, eg.

1. **BIM MEP<sup>AUS</sup> Models:** Plant, Equipment and Fitting content comprises LOD 300 Industry Foundation Models (IFM) and LOD 400/500 Manufacturer's Certified Models.
  - a. Industry Foundation Models (IFMs) provide for designer's requirements with generic models and design scheduling up to and including LOD 300. These models are sourced from the Autodesk Australian Content Pack and have the shared parameters added by BIM-MEPAUS for design and specification purposes.
  - b. IFMs provide the source content for [Manufacturer's Certified Models](#) that allow suppliers to deliver project specific LOD 400 content inclusive of the technical schedules needed for finalisation of the commissioned as built LOD 500 model. Eg. Xylem is a big manufacturer for drainage equipment.



- c. [Revit MEP Template Add-in](#) : The template allows modellers to model systems to defined specifications differentiating between different quality and construction standards. Design models that apply the template and BIM-MEPAUS methodology can be leveraged by the construction team through the virtual build process. [Revit Template Video](#).
  - d. [Shared Parameters](#)
2. **[Practice & Specifications](#):** provides specifications, standards and schemas that are used to generate the BIM-MEPAUS Revit MEP Template Add-in and the foundation models for both design and manufacturer's BIM-MEPAUS content.

3. **Workflows:** At its core is the Design to Commissioned As-Built Workflow. This workflow supports integrated project delivery teams and delivers to the owner a completed Revit MEP model that can be leveraged for facility and life cycle asset management. Providing a single point of truth for services geometry and data, the model is progressively refined through the project delivery providing benefits for designers, constructors and ultimately the building owners.

Please read the presentation of AMCA in the attached PDF & browse:  
<http://www.bimmepaus.com.au/> for detail.