

# Quick Capability Assessment: BIM Level 2

Company: ABC Consultants

Date: March 2016

## HIGHLIGHTS

**PAS1192:2 (Y)** Limited collaboration to realise benefits.

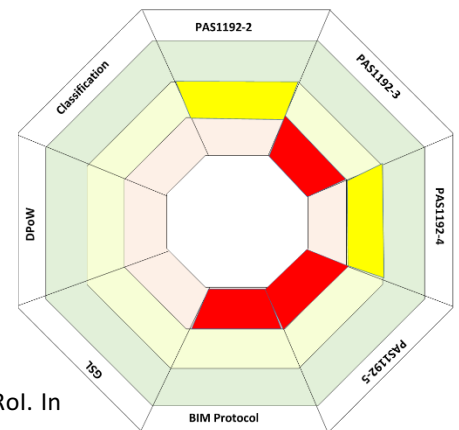
Efforts are still software focused. Improvement can max RoI.

**PAS1192:3 (R)** No emphasis is given to the asset's operation phase. In need for immediate attention.

**PAS1192:4 (Y)** Information requirements for key deliverables are not yet aligned with the delivery process. Data exchange process needs to be improved.

**PAS 1192:5 (R)** No clear collaboration to evaluate the asset's performance after handover. Need an immediate attention.

**Protocols (R)** no clear roles and responsibilities to deliver a collaborative BIM. Low RoI. In need for immediate improvements.

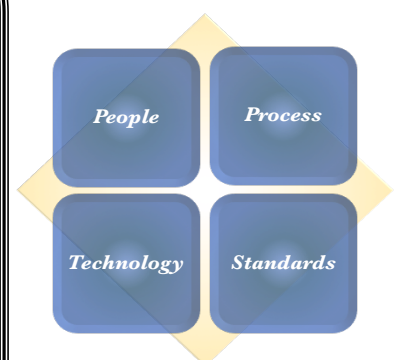


## GENERAL COMMENTS

- ❖ Good efforts have been taken by individuals to meet BIM Level 2 requirements. Although, BIM seems to be led by technology-enthusiasts, there is a good support and understanding at the top management level to take BIM forward as a tool for improvement. Collaboration, as the heart of BIM implementation need to be facilitated and improved. ([Read More](#))
- ❖ It is very likely that the developed 3D model (including the Information Model) will not be used for or meet operational requirement of the asset, as requirements of operation and maintenance have not been taken on board. ([Read More](#))
- ❖ As a lead designer, the company seems to have established a good level of data exchange among design disciplines. But, it has yet to strengthen its collaboration with the supply chain to cover the entire project lifecycle, particularly the “use of assets” (Government Soft Landing requirements). ([Read More](#))
- ❖ There seem to be a lack of details on information security requirements for the project, e.g. may not have been covered in the EIR/BEP, the result of which is the non-consideration of PAS 1192-5. ([Read More](#))

## POTENTIAL ACTIONS FOR IMPROVEMENTS

- ❖ ABC Consultants needs to focused on developing “BIM Management” **skills** to improve the understanding of the impact of BIM on business and how to effectively implement and manage BIM to bring about business value.
- ❖ **BIM competency** needs to be developed to better understand how to formulate the EIR or create a responsive BEP covering all project life cycle, with a particular focus on the use of assets.
- ❖ A set of quality **targets and performance** benchmarks should be established based on clearly defined deliverables covering the entire project life cycle stages.
- ❖ **BIM, as a process of change and improvement**, should start to be considered at the organisational level and should have the support of top management.
- ❖ **The type and use of authoring software** should start taking into consideration the potential use of BIM over its lifecycle.



*Note: The assessment is based on the ability of the organization to use its internal competencies, i.e. combination of skills, processes and technology, to establish or plan for BIM Level 2. Organisations' capabilities can be differentiated by its efficiency to utilise the available competencies. The latter are likely to be resourced differently in different organisations and how they are integrated and coordinated.*

SAMPLE