

PAS 1192-2: 2013 – Information Management

General

We all know that information is the life blood of any construction project. PAS 1192-2 promotes the avoidance of wasteful activities, all of which have information at its core, namely:

- waiting and searching for information
- over-production of information with no defined use
- over-processing information, simply because the technology can
- defects, caused by poor co-ordination across the graphical and non-graphical data set which require rework

Central to PAS1192-2 is the idea of the “beginning with the end in mind” by identifying the downstream uses of information to ensure information can be used and re-used throughout the project and life of the asset.

The information delivery lifecycle in Figure 1 shows in GREEN the information delivery process known as the Common Data Environment (CDE).

Scope of Information Management

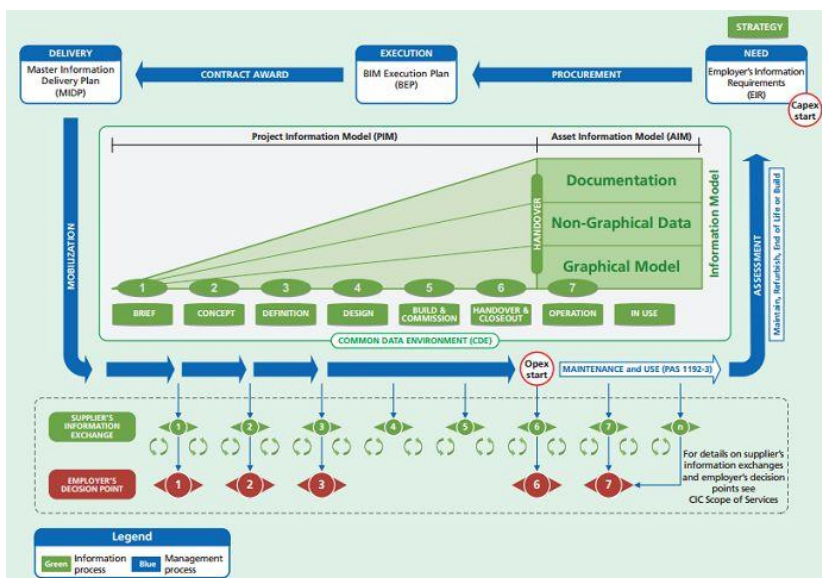
PAS1192-2 provides specific guidance for the information management requirements associated with projects delivered using BIM. Not all information on a project will be originated, exchanged or managed in a BIM format. All project information, whether in BIM environments or in conventional data formats should be shared using a single collaborative data environment (CDE).

CIC Outline Scope of Services for the Role of Information Management, First Edition 2013

The above document is one of a number of documents published to support the objectives of PAS1192-2.

The role of Information Management is expected to be delivered as part of an existing appointment by a capable resource.

The scope of the information management role outlined in the above document includes:



Common Data Environment Management

- Establish a CDE including processes and procedures to enable reliable information exchange between Project Team Members, the Employer and other parties
- Establish, agree and implement the information structure and maintenance standards for the Information Model
- Receive information into the Information Model in compliance with agreed processes and procedures.
- Validate compliance with information requirements and advise on non-compliance
- Maintain the Information Model to meet integrity and security standards in compliance with the employer's information requirement

Figure 1 – The information delivery cycle (copyright Mark Bew and Mervyn Richards)

Project Information Management

- Initiate, agree and implement the Project Information Plan and Asset Information Plan covering:
 - information structure across roles e.g. software platforms (all levels of supply chain) appropriate to meet employer requirements and project team resources
 - responsibility for provision of information at each stage
 - level of detail of information required for specific project outputs e.g. planning, procurement, FM procurement
 - the process for incorporating as-constructed, testing, validation and commissioning information
- Enable integration of information within the Project Team and co-ordination of information by design lead.
- Agree formats for project outputs
- Assist project team members in assembling information for project outputs

Collaborative working, information exchange and project team management

- Support the implementation of the Project BIM protocol including updating the Appendices
- Liaise with and co-operate with Project Team Members and the Employer in support of a collaborative working culture
- Assist the Project Team Members in establishing information exchange processes, including:
 - define and agree procedures for convening, chairing, attendance and responsibility for recording “information exchange process meetings”
- Participate in and comply with project team management procedures and processes including:
 - risk and value management
 - performance management and measurement procedures
 - change management procedures including adjustments to budgets and programme
 - attendance at project and design team meetings as required

- agree and implement record keeping, archiving and audit trail for Information Model

Does an Information Manager need to be appointed on a BIM project?

The Information Manager has a key role in setting up and managing the CDE. The CDE is a critical tool for effective collaboration, quality control and avoidance of waste.

Is the Information Manager a stand-alone appointment?

The role will be incorporated into existing appointments. The best fit is with either the Design Team Leader or the Project Lead. However, the skill set required is focused on management disciplines – there is no design responsibility. As a result, other disciplines could potentially undertake the role.

Is the Information Manager responsible for all information, or just Building Information Models?

The Information Manager is responsible for the establishment of the CDE which is used to exchange all project information, not just Building Information Models.

Is the Information Manager role the same as a BIM Consultant?

BIM Consultants typically contribute to Information Management through the establishment of model standards and execution plans. In addition to the information management roles described in the scope of service, BIM Consultants typically undertake coordination and clash detection in connection with models. Coordination and clash detection is part of the design coordination activities undertaken by the design team lead and is excluded from the scope of the role of the Information Manager.