

DIRECTORATE OF ESTATES & FACILITIES

EMPLOYERS INFORMATION REQUIREMENTS

Appendix C Glossary of Terms (BIM)

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PAS1192:2

PAS1192:2 is a publicly available specification. The requirements within PAS 1192-2 build on the existing code of practice for the collaborative production of architectural, engineering and construction information, defined within BS 1192:2007 + A2:2016.

PAS 1192-2 focuses specifically on project delivery, where the majority of graphical data, non-graphical data and documents, known collectively as the project information model (PIM), are accumulated from design and construction activities.

AIM

An Asset Information Model (AIM) is a model that compiles the data and information necessary to support asset management, that is, it provides all the data and information related to, or required for the operation of an asset. An AIM can provide graphical (2D and 3D) and non-graphical data and information as well as documents and metadata. It can relate to a single asset or to a portfolio of assets. An AIM can be created from existing asset information systems, from new information, or from information in a Project Information Model (PIM) that was created for the construction of a new asset.

PIM

Project Information Model (PIM) is the information model developed during the design and construction phase of a project. The requirements for the Project Information Model are set out in Employer's Information Requirements (EIR), it is likely to consist of a federated building information model, non-graphical data and associated documentation.

UoM

The University of Manchester (UoM) is a public research university in Manchester, England, formed in 2004 by the merger of the University of Manchester Institute of Science and Technology and the Victoria University of Manchester

CPM

The Consultant Project Manager (CPM) is the Project Manager appointed by UoM to manage the construction of the project.

CR

The Clients Representative (CR) is the person responsible for managing the project on behalf of the client. This may be an individual from within UoM.

BIM

Building Information Modelling (BIM) is a digital representation of physical and functional characteristics of a facility. A BIM is a shared knowledge resource for information about a facility forming a reliable basis for decisions during its life-cycle; defined as existing from earliest conception to demolition.

EIR

The Employer's Information Requirements (EIR) define the information that will be required by the employer from both their own internal team and from suppliers for the development of the project and for the operation of the completed built asset. Relevant extracts from the employer's information requirements are included in procurement documents for the

appointment of each supplier appointed directly by the employer, which may include; advisors, consultants, contractors and so on.

MPDT

The model production and delivery table (MPDT) is an appendix to the Construction Industry Council's CIC BIM protocol. The model production and delivery table identifies the originator for each model and the level of detail it should have reached at different stages of the project. Typically these stages are aligned with key employer's decision points, at which defined information is exchanged with the employer (sometimes referred to as data drops or information exchanges).

Not to be confused with a model elements table which is far more detailed.

CDE

The Common Data Environment (CDE), is the single source of information used to collect, manage and disseminate documentation, the graphical model and non-graphical data for the whole project team (i.e. all project information whether created in a BIM environment or in a conventional data format). Creating this single source of information facilitates collaboration between project team members and helps avoid duplication and mistakes.

COBie

Construction Operations Building Information Exchange (COBie) is a non-proprietary data format for the publication of a subset of building information models (BIM) focused on delivering asset data rather than geometric information.

BEP

The BIM Execution Plan (BEP) is a document written by the supplier to describe how they will manage and deliver the project information, it is a direct response to the EIR.

TIDP

Task information delivery plans set out the responsibilities for each individual information deliverable and are used to manage the delivery of that information. They are prepared by individual task team managers. Cpica (Construction Project Information Committee) propose a template for task information delivery plans in Post Contract Award Building Information Modelling (BIM) Execution Plan (BEP).

MIDP

The master information delivery plan is the primary plan for the preparation of the project information (from the supplier's perspective) required by the employer's information requirements. It lists information deliverables and sets out when project information is to be prepared, by whom, and using what protocols and procedures for each stage of the project. It is developed from a series of task information delivery plans (TIDP).