

COSBIMD34.3

Obtain and evaluate project feedback information and make improvements in a Building Information Modelling environment



Overview

This unit is about the implementation of Building Information Modelling to obtain and evaluate project feedback information and make improvements.

Performance criteria

You must be able to:

- P1 promote the value of making **improvements from feedback** throughout the project and encourage all **those involved in the project** to collaborate and deliver **feedback information**
- P2 identify and agree the areas to focus on for making **improvements from feedback**
- P3 identify and agree valid and reliable **methods and sources** for obtaining **feedback information** on completed projects and for assessing and recommend **improvements from feedback**
- P4 obtain, investigate and assess **feedback information** from all relevant **methods and sources**
- P5 review the **feedback information**, matching it against the original requirements and objectives and summarise both positive and negative factors
- P6 recommend **improvements from feedback** received and justify the recommendations to decision makers
- P7 classify **improvements from feedback** which have been agreed and incorporate the improvements accurately into updated procedures and **databases**
- P8 summarise changes and **improvements from feedback** which have been agreed and promote them for adoption and use

Knowledge and understanding

You need to know and understand:

- K1 how and why to promote changes and **improvements from feedback** which have been agreed for adoption and use (synthesis)
- K2 how to encourage all those involved in the project to collaborate and deliver feedback information (application)
- K3 what to identify as the areas to focus on for making **improvements from feedback** (understanding)
- K4 how and why to agree the areas to focus on for making **improvements from feedback (evaluation)**
- K5 what to identify as valid and reliable **methods and sources** for obtaining **feedback information** on completed projects and for assessing and recommending **improvements from feedback** (understanding)
- K6 agree valid and reliable **methods and sources** for obtaining **feedback information** on completed projects (**evaluation**)
- K7 how and why to recommend **improvements from feedback** (synthesis)
- K8 obtain **feedback information** from all relevant **methods and sources** (application)
- K9 investigate **feedback information** from all relevant **methods and sources** (analysis)
- K10 assess **feedback information** from all relevant **methods and sources** (analysis)
- K11 how and why to review the **feedback information** (analysis)
- K12 how and why to match feedback information against original requirements and objectives (synthesis)
- K13 how to summarise both positive and negative factors (application)
- K14 how and why to recommend **improvements from feedback** received to decision makers (synthesis)
- K15 how and why to justify the recommendations to decision makers (evaluation)
- K16 how to classify **improvements from feedback** which have been agreed and incorporate **improvements from feedback** which have been agreed accurately into updated procedures and **databases** (application)
- K17 how to summarise changes and **improvements from feedback** which have been agreed (application)

Scope/range

- 1 Improvements from feedback:
 - 1.1 management procedures
 - 1.2 client, design and construction team performance
 - 1.3 working arrangements
 - 1.4 formal and informal communications
 - 1.5 quality assurance and control
 - 1.6 design and technical appraisal
 - 1.7 operational appraisal
 - 1.8 performance in use
 - 1.9 energy use
 - 1.10 sustainability including carbon use
 - 1.11 benchmarking
 - 1.12 post project review
 - 1.13 performance in situ
- 2 Those involved with the project:
 - 2.1 the design team
 - 2.2 CDM Coordinator
 - 2.3 specialist consultants
 - 2.4 the client
 - 2.5 contractors
 - 2.6 site inspectorate
 - 2.7 users
 - 2.8 community
 - 2.9 managing agents
 - 2.10 facility/asset managers
- 3 Feedback information:
 - 3.1 approved providers
 - 3.2 contract documentation
 - 3.3 project documentation
 - 3.4 organisational documentation
 - 3.5 users
 - 3.6 community
 - 3.7 standard details

Scope/range

- 3.8 specifications
- 3.9 product information
- 3.10 government and statutory publications
- 3.11 research and advisory data
- 3.12 periodicals and abstracts
- 4 Methods and sources:
 - 4.1 project records and documentation
 - 4.2 Building Information Modelling application and methodology
 - 4.3 open book accounting
 - 4.4 site inspections
 - 4.5 scientific research and data
 - 4.6 studies of performance in use
 - 4.7 meetings
 - 4.8 questionnaires
 - 4.9 reports
 - 4.10 warranty claims
 - 4.11 Post Construction Evaluation
 - 4.12 Post Occupancy Evaluation
- 5 Types of database:
 - 5.1 manual files
 - 5.2 Building Information Model object library
 - 5.3 standard drawings
 - 5.4 model templates
 - 5.5 specifications
 - 5.6 pro-forma
 - 5.7 on-line
 - 5.8 quality management system

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Relevant occupations Managers in construction; civil engineers; architects; quantity surveyors; building and civil engineering technicians; architectural technologists and town planning technicians; draughtspersons; graphic designers; property, housing and land; town planners managers; chartered surveyors (not quantity surveyors) managers; estimators, valuers and assessors managers

Suite Building Information Modelling

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