

Evaluate the benefits and risks of partnership and strategic sourcing in a Building Information Modelling environment



Overview

This unit is about the application of Building Information Modelling to evaluate the benefits and risks of partnership and strategic sourcing.

Performance criteria

You must be able to:

- P1 select relevant **criteria** to use in making evaluations and decisions
- P2 evaluate the effect of **strategic sourcing** on competitiveness of supply, compare the evaluation with existing arrangements and calculate the advantages and disadvantages
- P3 calculate the costs of changing to new suppliers
- P4 recommend changes using accurate evidence and clearly identify the strategic implications for supply
- P5 circulate the recommendations to decision makers, the suppliers and other people who have an interest

Knowledge and understanding

You need to know and understand:

- K1 how and why to select relevant **criteria** to use in making evaluations and decisions (evaluation)
- K2 how and why to evaluate the effect of **strategic sourcing** on competitiveness of supply (evaluation)
- K3 how and why to compare the evaluation with existing arrangements (synthesis)
- K4 how to calculate the advantages and disadvantages (application)
- K5 how to calculate the costs of changing to new suppliers (application)
- K6 how and why to recommend changes using accurate evidence (synthesis)
- K7 what to identify as the strategic implications of changes for supply (understanding)
- K8 how to circulate the recommendations to decision makers, the suppliers and other people who have an interest (application)

Scope/range

- 1 Criteria:
 - 1.1 legislation
 - 1.2 codes of best practice
 - 1.3 security of supply
 - 1.4 quality of product/service being supplied
 - 1.5 contract forms providing mutual benefits
 - 1.6 open book forms linked to outcomes
 - 1.7 agreed payment procedures
 - 1.8 time and scheduling
 - 1.9 Building Information Modelling capability
 - 1.10 alignment of systems
 - 1.11 cost
 - 1.12 adoption of industry guidance and benchmarking
 - 1.13 community benefits
 - 1.14 best whole life value
 - 1.15 business case
- 2 Strategic sourcing - of:
 - 2.1 principal contractors
 - 2.2 sub/works/trade contractors
 - 2.3 suppliers of goods and materials
 - 2.4 consultants
 - 2.5 client/end users
 - 2.6 facility/asset managers

COSBIMD11.1

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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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