

Overview

This standard is about contributing to the control of work quantities and costs by implementing work quantities and cost control systems, identifying opportunities and recommending ways to make cost savings, investigating any variations and agreeing and implementing corrective action in accordance with current organisational requirements which are equal to or exceed current statutory and legislative requirements

This standard is for people working in the occupational area of construction site supervision which is defined as the supervision of multiple construction trades and disciplines and can be used by operatives, supervisors and managers

Performance criteria

You must be able to:

P1 contribute to your organisational requirements in relation to controlling work quantities and costs

P2 collect, evaluate and report work quantities and cost data in relation to at least three of the following:

- materials
- plant, machinery and equipment
- workforce
- sub-contractors
- recorded works
- programmes and schedules

P3 identify and report at least two of the following opportunities for cost savings to the people responsible:

- waste reduction
- resource management and logistics
- applications of new technologies and materials
- energy and utility management
- receipt and use of materials
- alternative sources and types of materials
- alternative suppliers of labour, materials and equipment
- document control and record keeping
- alternative methods of work

P4 investigate any variations to work cost or quantities, record the outcomes and implement the appropriate corrective action with the people responsible in relation to one of the following:

Contribute to controlling work quantities and costs

- restore progress in accordance with agreed programme
- agree new completion dates
- identify potential variation
- secure additional resources
- alter planned work

Knowledge and understanding

You need to know and understand:

Implement systems to control works quantities and costs

- K1 how to implement systems to control work quantities and costs according to organisational requirements in relation to:
 - K1.1 accurate take-off schedules
 - K1.2 organisational waste targets
 - K1.3 recording receipt, usage and wastage of materials
 - K1.4 on and off hirer of tools and equipment
 - K1.5 use of consumables
 - K1.6 transport
- K2 how to use the systems implemented to provide early indication warnings of potential issues

Collect quantity and cost data

- K3 how to collect and record work quantities and cost data relating to:
 - K3.1 materials
 - K3.2 plant, machinery and equipment
 - K3.3 workforce K3.4 sub-contractors
 - K3.5 recorded works
 - K3.6 programmes and schedules
- K4 how to report work quantities and cost data to people who need it in time to be able to use it
- K5 why you need to collect and record work quantities and cost data

Identify opportunities for cost savings

- K6 how to identify and report opportunities for cost savings relating to:
 - K6.1 waste reduction
 - K6.2 resource management and logistics

Contribute to controlling work quantities and costs

- K6.3 applications of new technologies and materials
- K6.4 energy and utility management
- K6.5 receipt and use of materials
- K6.6 alternative sources and types of materials
- K6.7 alternative suppliers of labour, materials and equipment
- K6.8 document control and record keeping
- K6.9 alternative methods of work

Review variations and implement corrective action

- K7 how to review variations in works quantities and costs
- K8 how to agree and implement the following appropriate corrective action with the people responsible: Corrective action
 - K8.1 restore progress in accordance with agreed programme
 - K8.2 agree new completion dates
 - K8.3 identify potential variation
 - K8.4 secure additional resources
 - K8.5 alter planned work People responsible
 - K8.6 the client, customer or their representative
 - K8.7 contractors
 - K8.8 consultants
 - K8.9 sub-contractors
 - K8.10 suppliers
 - K8.11 workforce
 - K8.12 internal management

Contribute to controlling work quantities and costs

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Relevant Occupations Building Trades, Construction and Building Trades Supervisors, Construction, Planning and the Built Environment, Engineering, Process, Plant and Machine Operatives, Utility Managers, Construction Supervisor

Suite Construction Site Supervision, Drinking Water Supply Distribution, Water Network Construction Operations, Utility Management Skills, Gas Network Construction Operations, Multi-Utility Network Construction Operations, Utility Management

Keywords Pre-start; Inspection; Co-Ordination; Operations; Site; Preparation
