
Overview

This standard is about

- 1 determining suitable methods of carrying out operations which are technically sound, safe, economic, feasible and consistent with site requirements
- 2 agreeing suitable methods for carrying out operations

COSVR701 - SQA Unit Code H6AK 04

Assess and recommend work methods

Performance criteria

- You must be able to:*
- P1 identify and use the available project data to enable decisions on the work methods to be made
 - P2 obtain more information from other sources where the available project data is insufficient
 - P3 evaluate the work methods against relevant technical and project criteria
 - P4 advise and recommend the work method to decision-makers
 - P5 analyse the selected work method for its activity content and quantify it
 - P6 ensure a method statement is prepared and approved prior to commencement of work

COSVR701 - SQA Unit Code H6AK 04

Assess and recommend work methods

Knowledge and understanding

You need to know and understand:

Performance Criteria 1

Project data

- K1 how to identify relevant **project data**
- K2 how to assess **project data** to identify suitable **work methods**

You need to know and understand:

Performance Criteria 2

Obtain information

- K3 how to obtain more information from **other sources** in cases where available **project data** is insufficient

You need to know and understand:

Performance Criteria 3

Evaluate work method

- K4 how to evaluate **work methods** against **technical criteria**
- K5 how to evaluate **work methods** against **project criteria**

You need to know and understand:

Performance Criteria 4

Recommend the work method

- K6 how to select an appropriate **work method**
- K7 how to recommend **work methods** to decision-makers

You need to know and understand:

Performance Criteria 5

Analyse the work method

- K8 how to analyse the selected **work methods** for activity content
- K9 how to analyse the selected **work methods** and quantify it accurately

You need to know and understand:

Performance Criteria 6

Method statements

- K10 how to ensure an appropriate method statement has been prepared
- K11 how to approve method statements

COSVR701 - SQA Unit Code H6AK 04

Assess and recommend work methods

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 records showing assessment of at least four of the following project data
 - 1.1 conditions of contract
 - 1.2 bills of quantities or methods of measurement
 - 1.3 specifications
 - 1.4 drawings
 - 1.5 health, safety and environmental plans
 - 1.6 programmes
 - 1.7 organisational requirements
 - 1.8 instructions and variations
- 2 records showing consideration of at least three of the following work methods:
 - 2.1 sequencing and integration of work operations
 - 2.2 organisation of resources (people, plant, materials and finance)
 - 2.3 established construction techniques
 - 2.4 temporary works
 - 2.5 prefabrication and standardisation
 - 2.6 working conditions

Performance Criteria 2

- 3 records showing consultation of at least two of the following sources
 - 3.1 client, customer or their representative
 - 3.2 contractors
 - 3.3 sub-contractors
 - 3.4 suppliers
 - 3.5 regulatory authorities
 - 3.6 technical literature
 - 3.7 trade literature

COSVR701 - SQA Unit Code H6AK 04

Assess and recommend work methods

Performance Criteria 3

- 4 records showing evaluation of the chosen work methods against at least seven of the following technical criteria
 - 4.1 materials performance and availability
 - 4.2 structural forms
 - 4.3 occupancy
 - 4.4 health, safety and welfare
 - 4.5 fire protection
 - 4.6 access
 - 4.7 plant, equipment and people availability
 - 4.8 transport logistics
 - 4.9 environmental factors
 - 4.10 waste management
 - 4.11 seasonal weather conditions
 - 4.12 sustainability
 - 4.13 innovative materials, technologies and processes
 - 4.14 site conditions

Performance Criteria 4

- 5 records of advice given and recommendation made to decision-makers

Performance Criteria 5

- 6 records of the analysis carried out on the selected work method; showing checks made on activity content against quantities such as time, cost or resources

Performance Criteria 6

- 7 records showing confirmation of a method statement approved prior to commencement of work

COSVR701 - SQA Unit Code H6AK 04

Assess and recommend work methods

Scope/range related to knowledge and understanding

Other sources

- 1 client, customer or their representative
- 2 contractors
- 3 sub-contractors
- 4 suppliers
- 5 regulatory authorities
- 6 technical literature
- 7 trade literature

Project criteria

- 8 cost control
- 9 conformity to statutory requirements
- 10 contract requirements
- 11 third party obligations
- 12 other related programmes
- 13 supply lead times

Project data

- 14 conditions of contract
- 15 bills of quantities or methods of measurement
- 16 specifications
- 17 drawings
- 18 health, safety and environmental plans
- 19 programmes
- 20 organisational requirements
- 21 instructions and variations

Technical criteria

- 22 materials performance and availability
- 23 structural forms
- 24 occupancy
- 25 health, safety and welfare
- 26 fire protection
- 27 access
- 28 plant, equipment and people availability
- 29 transport logistics
- 30 environmental factors
- 31 waste management
- 32 seasonal weather conditions
- 33 sustainability
- 34 innovative materials, technologies and processes
- 35 site conditions

COSVR701 - SQA Unit Code H6AK 04

Assess and recommend work methods

Work methods

- 36 sequencing and integration of work operations
- 37 organisation of resources (people, plant, materials and finance)
- 38 established construction techniques
- 39 temporary works
- 40 prefabrication and standardisation
- 41 conditions of work

COSVR701 - SQA Unit Code H6AK 04

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