
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 F3DA 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 F3DA 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 F3DA 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 F3DA 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 F3DA 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 F3DA 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 F3DA 04

Assess and recommend work methods

Developed by ConstructionSkills

Version number 1

Date approved October 2007

Indicative review date July 2015

Validity Current

Status Original

Originating organisation ConstructionSkills

Original URN VR701

Relevant occupations Construction and Building Trades Supervisors

Suite Construction Site Supervision

Key words Work; methods; Statements; Determining; Assessing; Evaluation