

# COSVR708 - SQA Unit Code FN2V 04

## Maintain the dimensional accuracy of the work



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### Overview

This standard is about

- 1 providing sufficient clear and accurate dimensional information
- 2 observing and checking dimensional controls
- 3 correcting dimensional deviations and making allowances for different circumstances

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### Performance criteria

- You must be able to:*
- P1 ensure the workforce is provided with sufficient clear and accurate information to enable them to position, align and/or level the work
  - P2 observe and check dimensional controls and record the results to meet quality standards
  - P3 identify any deviations in position, alignment or level and take measures to correct them promptly
  - P4 recommend revised work procedures and practices to minimise deviations and to allow for different circumstances and conditions

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### Knowledge and understanding

*You need to know and understand:*

#### Performance Criteria 1

##### Provide dimensional information

- K1 how to provide, clear and accurate information on **dimensional controls**
- K2 how to ensure the dimensional information is sufficient

#### Performance Criteria 2

##### Observe and check dimensional information

*You need to know and understand:*

- K3 how to observe and check **dimensional controls**
- K4 how to record observed results
- K5 how to compare observed results against given quality standards

#### Performance Criteria 3

##### Identify deviations

*You need to know and understand:*

- K6 how to identify **deviations** in **dimensional controls**
- K7 how to correct **deviations**

#### Performance Criteria 4

##### Recommend revised work procedures and practices

*You need to know and understand:*

- K8 how to revise work procedures for **dimensional controls**
- K9 how to recommend revised procedures for different **circumstances and conditions**
- K10 why you need to revise work procedures to minimise **deviations** in dimensional control

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### Additional Information

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#### Scope/range related to performance criteria

#### Performance Criteria 1

- 1 records of dimensional information for at least four of the following
  - 1.1 lines
  - 1.2 levels
  - 1.3 angles
  - 1.4 distances
  - 1.5 curves
  - 1.6 position
  - 1.7 setting out points
  - 1.8 loads
  - 1.9 centres of gravity

#### Performance Criteria 2

- 2 records of checks conducted compared to the quality standards provided for the project

#### Performance Criteria 3

- 3 records of deviation arising from at least one of the following and the actions taken to correct them
  - 3.1 transfer of lines and levels
  - 3.2 use of incorrect lines and levels
  - 3.3 calculations
  - 3.4 given information

#### Performance Criteria 4

- 4 records of recommendation made considering at least one of the following circumstances and conditions
  - 4.1 environment
  - 4.2 unforeseen
  - 4.3 planned

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### Scope/range related to knowledge and understanding

#### Circumstances and conditions

- 1 environmental
- 2 unforeseen
- 3 planned

#### Deviations (arising from)

- 4 transfer of lines and levels
- 5 use of incorrect lines and levels
- 6 calculations
- 7 given information

#### Dimensional controls

- 8 lines
- 9 levels
- 10 angles
- 11 distances
- 12 curves
- 13 position
- 14 setting out points
- 15 loads
- 16 centres of gravity

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