

# COSVR255 - SQA Unit Code DY2L 04

## Install temporary lifting and suspension apparatus



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### Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 selecting materials, components and equipment
- 4 preparing, installing and removing temporary lifting and suspension apparatus

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### Performance criteria

- You must be able to:*
- P1 interpret the given information relating to the work and resources to confirm its relevance
  - P2 comply with the given, relevant legislation and official guidance to carry out your work and maintain safe work practices
  - P3 select the required quantity and quality of resources for the methods of work
  - P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area
  - P5 comply with the given contract information to carry out the work efficiently to the required specification
  - P6 complete the work within the allocated time, in accordance with the programme of work

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### Knowledge and understanding

*You need to know and understand:*

#### Performance Criteria 1

##### Interpretation of information

- K1 the organisational procedures developed to report and rectify inappropriate **information** and unsuitable **resources**, and how they are implemented
- K2 the types of **information**, their source and how they are interpreted
- K3 the organisational procedures to solve **problems** with the **information** and why it is important they are followed

#### Performance Criteria 2

##### Safe work practices

*You need to know and understand:*

- K4 the level of understanding operatives must have of **information** for relevant, current **legislation and official guidance** and how it is applied
- K5 how **emergencies** should be responded to and who should respond
- K6 the organisational **security procedures** for tools, equipment and personal belongings
- K7 what the accident reporting procedures are and who is responsible for making the report
- K8 why, when and how **personal protective equipment (PPE)** should be used

#### Performance Criteria 3

##### Selection of resources

*You need to know and understand:*

- K9 the characteristics, quality, uses, limitations and defects associated with the **resources** and how defects should be rectified
- K10 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K11 the organisational procedures to select **resources**, why they have been developed and how they are used
- K12 the **hazards** associated with the **resources** and **methods of work** and how they are overcome

#### Performance Criteria 4

##### Minimise the risk of damage

*You need to know and understand:*

- K13 how to **protect work** from damage and the purpose of protection
- K14 why **disposal of waste** should be carried out safely and how it is achieved

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*You need to know and understand:*

### **Performance Criteria 5**

#### **Meet the contract specification**

- K15 how **methods of work**, to meet the specification, are carried out and **problems** reported
- K16 how **maintenance** of tools and equipment is carried out

*You need to know and understand:*

### **Performance Criteria 6**

#### **Allocated time**

- K17 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

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### Additional Information

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#### Scope/range related to performance criteria

##### Performance Criteria 1

- 1 interpretation of drawings, method statements, risk assessments specifications, schedules and manufacturers' information related to the work to be carried out

##### Performance Criteria 2

- 2 avoidance of risk by following the given information relating to the following
  - 2.1 methods of work
  - 2.2 safe use of personal protective equipment (PPE)
  - 2.3 safe use of access equipment
  - 2.4 safe use and storage of materials, tools and equipment

##### Performance Criteria 3

- 3 selection of resources associated with own work
  - 3.1 materials, components, fixings/anchors and ties
  - 3.2 tools and equipment

##### Performance Criteria 4

- 4 protection of the work and its surrounding area from damage
- 5 minimise damage and maintain a clean work space
- 6 disposal of waste in accordance with legislation

##### Performance Criteria 5

- 7 demonstration of work skills to measure, set out, position, check, operate, secure, dismantle and remove
- 8 use and maintain hand tools, access/ancillary equipment
- 9 install and remove temporary lifting and suspension apparatus to given working instructions, relating to at least two of the following
  - 9.1 block and tackle material lifting gear (manual and mechanical)
  - 9.2 cradle suspensions
  - 9.3 rope access equipment
  - 9.4 bosun's seats
  - 9.5 winches
  - 9.6 counterbalance lifting systems
  - 9.7 suspended platforms

##### Performance Criteria 6

- 10 completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client

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### Scope/range related to knowledge and understanding

#### **Disposal of waste**

- 1 environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance

#### **Emergencies**

- 2 operative's response to situations in accordance with organisational authorisation and personal skills when involved with
  - 2.1 fires, spillages, injuries
  - 2.2 emergencies relating to occupational activities

#### **Hazards**

- 3 those identified by risk assessment, method of work, manufacturers' technical information, statutory regulations and official guidance

#### **Information**

- 4 drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, standards, regulations and official guidance associated with temporary lifting and suspension work

#### **Legislation and official guidance**

- 5 this relates to the operative's responsibilities regarding potential accidents and health hazards whilst working in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting

#### **Maintenance**

- 6 operative care of hand tools, ancillary equipment and access equipment

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### **Methods of work**

- 7 application of knowledge for safe work practices, procedures and skills, relating to the method/area of work and materials used, to
  - 7.1 identify and confirm the requirement to install temporary lifting and suspension apparatus
  - 7.2 prepare types of lifting and suspension apparatus to conform with the method of installation (manual and mechanical)
  - 7.3 install and remove using: block and tackle material lifting gear (manual and mechanical), cradle suspensions, rope access equipment, bosun's seats, winches, counterbalance systems, suspended platform systems
  - 7.4 position, install, secure, dismantle and remove temporary lifting and suspension apparatus
  - 7.5 erect designed and un-designed scaffold (limitations and formula)
  - 7.6 conduct pre-use checks on manual, electrical and mechanical equipment
  - 7.7 visually inspect fall protection equipment
  - 7.8 install and test anchors and ties
  - 7.9 identify the differences between man-riding and material lifting suspension apparatus
  - 7.10 use hand tools, and ancillary equipment
  - 7.11 work at height
  - 7.12 use access equipment
- 8 team work and communication
- 9 needs of other occupations associated with installing and removing temporary lifting and suspension apparatus

### **Personal protective equipment (PPE)**

- 10 occupational use, types, purpose of each type and work situations

### **Problems**

- 11 those arising from information, resources and methods of work
  - 11.1 own authority to rectify
  - 11.2 organisational reporting procedures

### **Programme**

- 12 types of progress charts, timetables and estimated times
- 13 organisational procedures for reporting circumstances which will affect the work programme

### **Protect work**

- 14 protect work against damage from general workplace activities, other occupations and adverse weather conditions

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### **Resources**

- 15 materials, components and equipment relating to types, quantity, quality, sizes and sustainability of standard and/or specialist
  - 15.1 wire and fibre ropes
  - 15.2 chains and slings
  - 15.3 winches and pulley blocks
  - 15.4 counterbalance systems
  - 15.5 decking, planks, rails, boards, bosun's seats
  - 15.6 associated securing materials (lashing, clamps, anchors and ties)
  - 15.7 hand and ancillary equipment
- 16 methods of calculating quantity and length associated with the method/procedure to install and remove temporary lifting and suspension apparatus

### **Security procedures**

- 17 site, workplace, company and operative



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**Relevant occupations** Scaffolders, Stagers and Riggers

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**Suite** Accessing Operations and Rigging (Construction)

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