



FY4X 04 – Operate Plant or Machinery for Accessing  
(Mobile elevated working platform mast climber)

# COSVR392 (SQA Unit Code - FY4X 04)

## Operate plant or machinery for accessing



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### Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 selecting and/or using materials, components and equipment with the plant or machinery operations
- 4 setting up, operating and shutting down of plant or machinery for accessing

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### Performance criteria

- You must be able to:*
- P1 interpret the given operating information relating to the use of plant or machinery and confirm its relevance
  - P2 organise with others the sequence in which the work is to be carried out
  - P3 comply with the relevant, current legislation, special legal status documents, official guidance and organisational procedures to maintain safe work practices
  - P4 request resources to sustain plant or machinery operations to complete the programme of work
  - P5 select plant or machinery resources for the methods of work and operations to be carried out
  - P6 comply with organisational procedures to minimise the risk of damage to the work and surrounding area
  - P7 comply with the given contract information to carry out the work efficiently to the required specification
  - P8 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

##### Organise with others

*You need to know and understand:*

- K4 **communication** of ideas between team members
- K5 organisation of **resources** in conjunction with the progress of work
- K6 the **skills** required to carry out the work

#### Performance Criteria 3

##### Safe work practices

*You need to know and understand:*

- K7 the level of understanding operatives must have of **information** for relevant, current **legislation, Approved Codes of Practice and official guidance** and how it is applied
- K8 how **emergencies** should be responded to and who should respond
- K9 the organisational **security procedures** for plant and/or machinery, tools, equipment and personal belongings
- K10 what the accident reporting procedures are and who is responsible for making the report
- K11 why and when **personal protective equipment (PPE)** should be used

#### Performance Criteria

##### Request resources

*You need to know and understand:*

- K12 the organisational procedures for requisitioning consumables and other **resources**

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### Performance Criteria 5

#### Selection of resources

*You need to know and understand:*

- K13 the characteristics, quality, uses, sustainability, limitations and defects associated with plant **resources** and how defects should be rectified
- K14 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K15 the organisational procedures to select **resources**, why they have been developed and how they are used
- K16 the **hazards** associated with the **resources** and **methods of work** and how they are overcome

### Performance Criteria 6

#### Minimise the risk of damage

*You need to know and understand:*

- K17 how to **protect work** from damage and the purpose of protection
- K18 why **disposal of waste** should be carried out safely and how it is achieved

### Performance Criteria 7

#### Meet the contract specification

*You need to know and understand:*

- K19 how **methods of work**, to meet the specification, are carried out and **problems** reported
- K20 how **maintenance** of plant and/or machinery, tools and equipment is carried out

### Performance Criteria 8

#### Allocated time

*You need to know and understand:*

- K21 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

#### Scope/range related to performance criteria

##### **Performance Criteria 1**

- 1 interpretation of drawings, specifications, schedules, method statements and manufacturers' information related to the plant or machinery operations and the work to be carried out

##### **Performance Criteria 2**

- 2 organisation of own work
- 3 communication with team members and other associated occupations about the plant or machinery operation and the work to be carried out

##### **Performance Criteria 3**

- 4 avoid hazards by following given safety information, including the use of personal protective equipment (PPE) to carry out the activity in accordance with legislation, Approved Codes of Practice and/or organisational requirements
- 5 safe use and storage of plant, machinery, tools and equipment

##### **Performance Criteria 4**

- 6 follow organisational procedures for the requisition of consumables, materials and other resources

##### **Performance Criteria 5**

- 7 selection of resources associated with own work
  - 7.1 tools and ancillary equipment and/or accessories

##### **Performance Criteria 6**

- 8 protection of the work and its surrounding area from damage
- 9 minimise damage and maintain a clean work space
- 10 disposal of waste in accordance with legislation

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#### **Performance Criteria 7**

11 demonstration of work skills to check, adjust, communicate, manoeuvre, position, access and set down

12 use and maintain hand tools, ancillary equipment and/or accessories

13 operate plant or machinery for accessing to given working instructions, relating to one of the following categories of plant or machinery

13.1 mobile elevated working platforms

13.2 mast climbers

14 shut down and secure plant or machinery

#### **Performance Criteria 8**

15 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

#### **Communication**

- 1 discussions, sketches and briefings

#### **Disposal of waste**

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

#### **Emergencies**

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

#### **Hazards**

- 4 those identified by method of work, risk/COSHH assessments, manufacturers' technical information, statutory regulations and official guidance

#### **Information**

- 5 drawings, specifications, schedules, method statements, manufacturers' information and regulations governing the operation of plant or machinery

#### **Legislation, Approved Codes of Practice and official guidance**

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

#### **Maintenance**

- 7 operative care of plant or machinery, hand tools and ancillary equipment

#### **Methods of work**

- 8 application of knowledge for safe and healthy work practices, procedures and skills relating to the method/area of work and materials used to:
  - 8.1 identify the characteristics of the plant and machinery appropriate to the accessing operation
  - 8.2 carry out performance checks for accessing operation
  - 8.3 identify with area of access operation
  - 8.4 carry out pre-operational checks for obstructions, stability, of the work and surrounding area
  - 8.5 check to avoid damage to structures and utilities service apparatus



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8.6 position, set up and secure plant or machinery for accessing operations

8.7 operate, manoeuvre, position and set down safely and securely

8.8 shut down and secure plant or machinery

8.9 use hand tools, ancillary equipment and accessories

9 team work and communication

10 needs of other occupations associated with operating plant or machinery for operating plant or machinery for accessing

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

11 occupational use, types, purpose of each type and work situations

### **Problems**

12 those arising from information, resources and methods of work

12.1 own authority to rectify

12.2 organisational reporting procedures

### **Programme**

13 types of progress charts, timetables and estimated times

14 organisational procedures for reporting circumstances which will affect the work programme

### **Protect work**

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

### **Resources**

16 materials, components and equipment relating to types, quantity, quality, and sizes of standard and/or specialist:

16.1 consumables, lubricants, fuels

16.2 attachments and accessing aids

16.3 hand tools, ancillary equipment and/or accessories

17 methods of calculating weight, bearing, pressure, quantity, length and area associated with the method/procedure to operate plant or machinery for accessing

### **Security procedures**

18 site, workplace, company and operative

### **Skills**

19 own occupation and occupations related to the work

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**Originating organisation** ConstructionSkills

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**Original URN** VR392

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**Relevant occupations** Mobile Machine Drivers and Operatives;

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**Suite** Plant Operations (Construction); Accessing Operations and Rigging (Construction); Demolition; Erection of Pre-cast Concrete (Construction); Removal of Hazardous and Non-hazardous Waste (Construction); Site Logistics Operations (Construction); Specialist Installations (Construction); Sub-structure Work Occupations (Construction); Thermal Insulation (Construction); Fencing;

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**Key words** Mobile-elevated working platforms; MEWP; Mast-climbers