
Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 selecting materials, components and equipment
- 4 setting up, maintaining and removing emergency traffic management on motorways, high speed dual carriageways or rural and urban roads

COSVR538 - SQA Unit Code H0X6 04

Install and remove emergency traffic management

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 and healthy 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 the types **fire extinguishers** and how and when they are used
- K6 how **emergencies** should be responded to and who should respond
- K7 the organisational **security procedures** for tools, equipment and personal belongings
- K8 what the accident reporting procedures are and who is responsible for making the report
- K9 why, when and how **health and safety control equipment** should be used

Performance Criteria 3

Selection of resources

You need to know and understand:

- K10 the characteristics, quality, uses, sustainability, limitations and defects associated with the **resources** and how defects should be rectified
- K11 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K12 the organisational procedures to select **resources**, why they have been developed and how they are used
- K13 the **hazards** associated with the **resources** and **methods of work** and how they are overcome

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Performance Criteria 4

Minimise the risk of damage

You need to know and understand:

- K14 how to **protect work** from damage and the purpose of protection
- K15 why **disposal of waste** should be carried out safely and how it is achieved

Performance Criteria 5

Meet the contract specification

You need to know and understand:

- K16 how **methods of work**, to meet the specification, are carried out and **problems** reported
- K17 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and understand:

- K18 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

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

Performance Criteria 2

- 2 avoidance of risk by complying with the given information relating to the following
 - 2.1 methods of work
 - 2.2 safe use of health and safety control equipment
 - 2.3 safe use and storage of materials, tools and equipment
 - 2.4 flow and movement of traffic
 - 2.5 completed point of work risk assessments
 - 2.6 specific risks to health

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 materials and components
 - 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 current legislation

Performance Criteria 5

- 7 demonstration of work skills to plan, locate, set out, position, install, maintain and remove
- 8 use and maintain hand tools and ancillary equipment
- 9 install and remove emergency traffic management to given working instructions on motorways, high speed dual carriageways or rural and urban roads
 - 9.1 select and prepare materials, components and equipment
 - 9.2 unload and load traffic management equipment
 - 9.3 co-ordinate communications and procedures for setting up and maintaining the emergency traffic management
 - 9.4 maintain the operational integrity of the emergency traffic management components and equipment while in use

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Performance Criteria 6

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

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

Fire extinguishers

3. water, CO₂, foam, powder and their uses

Hazards

4. those identified by risk assessment, point of work risk assessment method of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

5. identified by the principles of protection for occupational use, types and purpose of each type, work situations and general work environment
 - 5.1 collective protective measures
 - 5.2 personal protective equipment (PPE)
 - 5.3 respiratory protective equipment (RPE)
 - 5.4 local exhaust ventilation (LEV)

Information

6. drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, current regulations and official guidance governing work on motorways, high speed dual carriageways, rural and urban roads

Legislation and official guidance

7. 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

8. operative care of hand tools and/or portable power tools and ancillary equipment

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Methods of work

9. application of knowledge for safe and healthy work practices, procedures and skills relating to the method/area of work and materials used to:
 - 9.1 liaise with incident controllers (police, ambulance, fire, highways agency, local authority)
 - 9.2 apply the principles of incident control including survey, assess, disseminate, casualties, hazards, access, location, emergency services and type (SADCHALET)
 - 9.3 identify a setting down location
 - 9.4 control the flow of traffic
 - 9.5 protect the scene of the incident from contamination, danger or damage by position of the incident support vehicle and controlling traffic flow
 - 9.6 deal with displaced and damaged equipment
 - 9.7 select and prepare materials, components and equipment
 - 9.8 unload and load traffic management equipment
 - 9.9 install and remove emergency traffic management systems
 - 9.10 co-ordinate communications and procedures for setting up and maintaining the emergency traffic management
 - 9.11 maintain the operational integrity of the emergency traffic management components and equipment while in use
 - 9.12 apply compliant relief measures, trapped traffic, reverse flow, road closure, diversion, lane restrictions
 - 9.13 record and communicate the resolution of the incident and the removal of the emergency traffic management
 - 9.14 use hand tools, power tools and equipment
 - 9.15 work at height
 - 9.16 use access equipment
 - 9.17 apply the principle of equality and diversity
10. team work and communication
11. needs of other occupations associated with installing and removing emergency traffic management

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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, sizes and the sustainability of standard and/or specialist:
 - 16.1 traffic control equipment (cones, signs, lights, lamps, guards and barriers)
 - 16.2 communication equipment
 - 16.3 hand and/or powered tools and equipment
- 17. methods of calculating quantity, length, area and wastage associated with the method/procedure to install and remove emergency traffic management

Security procedures

- 18. site, workplace, company and operative

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Developed by	ConstructionSkills
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Originating organisation	ConstructionSkills
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Relevant occupations	Road Construction Operatives
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Suite	Construction Operations and Civil Engineering Services (Construction)
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