

# EUSMUNC04 (SQA Unit Code - FA92 04)

## Install equipment for safe working on the highway for Utilities Network Construction



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### Overview

This national occupational standard defines the competence required to follow work instructions and specifications in preparing resources and segregating areas for work in the Public Highway. It requires setting out temporary traffic control equipment which is correct for the type of carriageway and category of works to protect personnel, property and the works.

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#### Performance criteria

*You must be able to:*

#### **Set out temporary signing, lighting and guarding traffic control equipment in line with industry Codes of Practice and current legislation**

- P1 locate the area for highway works and identify the type of carriageway and category of works.
- P2 plan the works for minimum disruption and inconvenience to others in accord with approved procedures and practices.
- P3 carry out a site-specific risk assessment to identify hazards and to determine the range of control signs and protection equipment necessary for the works.
- P4 select and wear the specified ppe, including high visibility vest or coat
- P5 set out, in a safe manner temporary signing, lighting and guarding traffic control equipment in accordance with risk assessment, industry codes of practice and current legislation.
- P6 remove all control equipment on completion of the works and store and maintain in accordance with operational and organisational requirements.
- P7 carry out all work to approved procedures and practices and in compliance with statutory requirements
- P8 maintain the security of the site where work is not completed

*You must be able to:*

#### **Prepare resources for highway works**

- P9 select the materials and equipment to meet the planned works in accordance with the work instructions and specifications
- P10 confirm the materials and equipment supplies are correct for the work requirement and are of the quality and quantity required
- P11 maintain the materials and equipment in storage, in accordance with operational and organisational requirement
- P12 maintain the security of materials and equipment in accordance with operational and organisational requirements

*You must be able to:*

#### **Use and communicate data and information**

- P13 use the work instructions and specifications to determine the safety and security requirements for the area of the highways works and to ensure compliance with current legislation
- P14 use approved procedures and practices throughout all the work activity to ensure work is in compliance with statutory requirements
- P15 check with designated personnel any circumstances where information

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- appears incorrect
- P16 use organisational information systems to record and store data and information

*You must be able to:*

#### **Resolve problems which arise from work on the highway**

- P17 record and report to the designated person defects replacements or additional equipment required. behaviour which underpins effective performance
- P18 refer problems and conditions outside the responsibility of the jobholder to the designated person using approved procedures

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### Knowledge and understanding

*You need to know and understand:*

#### **General**

- K1 The main responsibilities of the employer and employee under the Health and Safety at Work Act
- K2 The health and safety guidance governing work in excavations
- K3 The safe procedures for handling hazardous materials
- K4 Organisational accident recording and reporting procedures
- K5 The range and use of personal protective equipment for the work

*You need to know and understand:*

#### **Safe working on the highway**

- K6 the main sources of information on statutory requirements for the control of highways works
- K7 the types of signs, lights, and guarding equipment
- K8 the types of traffic control equipment including warning signs, priority signs, stop/go boards, and portable traffic signals
- K9 the importance of checking and reporting defects in signs, guards, lighting, and traffic control systems and ensuring that defective equipment is taken out of use
- K10 the implications of incorrect signing, lighting, guarding and traffic control
- K11 the design and purpose of each of the signs used for protecting highways works
- K12 the statutory positioning requirements of protection equipment including signs, lights, guards, and traffic controls relative to the different highways environments and conditions
- K13 the types of guards used to protect highways works and their positioning requirements relative to the work
- K14 the types and positioning of lighting required for highways works
- K15 the main road classifications, including single and dual carriageways
- K16 the design, operation, and maintenance requirements for traffic controls including warning signs, priority signs, stop/go boards, and portable traffic signals
- K17 traffic control requirements for highways works in different road conditions
- K18 the correct procedures and sequences for implementing traffic control equipment in different work locations
- K19 the correct procedures for moving traffic controls as work progresses
- K20 the importance of ensuring that regular checks are made to update signing, lighting, guarding, and traffic control arrangements as requirements change with work progress
- K21 the importance of regular maintenance and cleaning of signs and lights

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- during the course of highways works
- K22 statutory requirements and recommendations for the signing, lighting, and guarding of highways works on single and dual carriageways
- K23 the range and purpose of personal protective equipment used during highways works
- K24 the importance of checking and reporting defects in personal protective equipment
- K25 main industry procedures and practices for the determination of site and resource requirements, including environmental, organisational, regulatory, emergency, operational, health, safety and environment compliance, relevant company procedures, and risk assessments within the remit of the job role responsibility
- K26 the steps to take in the event of an accident or emergency on the highway
- K27 procedures for summoning the emergency services
- K28 persons and organisations it is necessary to liaise with on highways operations

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#### Additional Information

##### Behaviours

**Behaviour which underpins effective performance**

**You work in a manner in which you:**

1. are vigilant to possible risks and hazards
2. treat people with civility

##### Glossary

**Codes of Practice-** statutory, regulatory, New Roads and Street Works Act

**Approved procedures and practices** –environmental, statutory regulatory, emergency, operational, health and safety, organisational and company procedures, and risk assessments

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