

Overview

This national occupational standard defines the competence required to follow work instructions and specifications in preparing resources and segregating areas for non routine 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.

This standard is for those responsible for managing field operations during gas network construction activities. These activities will usually include the leadership and direction of the members of a team and decision making regarding the approach to take when undertaking the work.

This standard consists of four elements:

1. set out temporary signing, lighting and guarding traffic control equipment in line with industry Codes of Practice and current legislation
2. prepare resources for highway works
3. use and communicate data and information
4. resolve problems which arise from work on the highway

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

1. locate the area for highway works and identify the type of carriageway and category of works.
2. plan the works for minimum disruption and inconvenience to others in accord with approved procedures and practices.
3. 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.
4. select, check and wear the specified personal protective equipment (PPE), including high visibility vest or coat
5. safely set out temporary signing, lighting and guarding traffic control equipment in accordance with risk assessment, industry codes of practice and current legislation.
6. remove all control equipment on completion of the works and store and maintain in accordance with operational and organisational requirements.
7. carry out all work to approved procedures and practices and in compliance with statutory requirements
8. maintain the security of the site where work is not completed

Prepare resources for highway works

9. select the materials and equipment to meet the planned works in accordance with the work instructions and specifications
10. confirm the materials and equipment supplies are correct for the work requirement and are of the quality and quantity required
11. maintain the materials and equipment in storage, in accordance with operational and organisational requirement
12. maintain the security of materials and equipment in accordance with operational and organisational requirements

Use and communicate data and information

13. 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

14. use approved procedures and practices throughout all the work activity to ensure work is in compliance with statutory requirements

15. check with designated personnel any circumstances where information appears incorrect

16. use organisational information systems to record and store data and information

Resolve problems which arise from work on the highway

17. record and report to the designated person defects replacements or additional equipment required.

18. refer problems and conditions outside the responsibility of the job holder to the designated person using approved procedures

Knowledge and understanding

You need to know and understand: **General**

1. the main responsibilities of the employer and employee under the Health and Safety at Work Act
2. the main responsibilities of the employer and employee under environmental legislation
3. the company reporting lines, roles, responsibilities and levels of authority
4. the safe procedures for handling hazardous materials
5. organisational accident recording and reporting procedures
6. the range and use of personal protective equipment for the work

Safe working on the highway

7. the main sources of information on statutory requirements for the control of highways works
8. the types of signs, lights, and guarding equipment
9. the types of traffic control equipment including warning signs, priority signs, stop/go boards, and portable traffic signals
10. 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
11. the implications of incorrect signing, lighting, guarding and traffic control
12. the design and purpose of each of the signs used for protecting highways works
13. the statutory positioning requirements of protection equipment including signs, lights, guards, and traffic controls relative to the different highways environments and conditions
14. the main road classifications, including single and dual carriageways
15. the design, operation, and maintenance requirements for traffic controls including warning signs, priority signs, stop/go boards, and portable traffic signals
16. traffic control requirements for highways works in different road conditions
17. the correct procedures and sequences for implementing traffic

control equipment in different work locations

18. the correct procedures for moving traffic controls as work progresses

19. the importance of ensuring that regular checks are made to update signing, lighting, guarding, and traffic control arrangements as requirements change with work progress

20. the importance of regular maintenance and cleaning of signs and lights during the course of highways works

21. statutory requirements and recommendations for the signing, lighting, and guarding of highways works on single and dual carriageways

22. the range and purpose of personal protective equipment used during highways works

23. the importance of checking and reporting defects in personal protective equipment

24. 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

25. the steps to take in the event of an accident or emergency on the highway

26. procedures for summoning the emergency services

27. persons and organisations it is necessary to liaise with on highways operations

Scope/range

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

Developed by	Energy & Utility Skills
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Originating Organisation	Energy & Utility Skills
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Relevant Occupations	Gas Team Leaders, Craftspersons and Technicians
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Suite	Gas Network Construction
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