

## Overview

This national occupational standard defines the competence involved in operating powered tools and equipment for site operations on Gas Network Construction. The standard identifies good practice when using powered static equipment, hand-operated powered tools, carrying out operations with powered tools and equipment and relevant small mobile plant.

This standard is for those responsible for 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. prepare powered tools and equipment for use on site operations on gas network construction
2. run and operate powered tools and equipment and small mobile plant
3. shut down and carry out post-stop checks on powered tools and equipment and small mobile plant
4. use and communicate data and information

## Performance criteria

- You must be able to:*
- Prepare powered tools and equipment for use on site operations on gas network construction**
1. use work instructions and specifications to confirm the operations requiring the use of powered tools and equipment and small mobile plant
  2. carry out a site specific risk assessment, and review in accordance with company procedures
  3. apply control measures identified in risk assessments
  4. select, check condition, use and store the appropriate personal protective equipment (PPE)
  5. carry out pre-start inspections on the powered tools and equipment and small mobile plant
  6. record any defects of the powered tools and equipment and small mobile plant in accordance with company procedures
  7. confirm powered tools and equipment and small mobile plant is safe, correct and ready for use in accordance with the work requirements
- Run and operate powered tools and equipment and small mobile plant**
8. carry out start and stop procedures to confirm functions are in accordance with safe control and the manufacturers' operating instructions
  9. operate tools and equipment safely in accordance with specifications and in compliance with approved policies and procedures
- Shut down and carry out post-stop checks on powered tools and equipment and small mobile plant**
10. stop powered tools and equipment and small mobile plant safely
  11. carry out required post-stop checks in accordance with organisational and operational procedures
  12. securely store powered tools and equipment and small mobile plant
  13. carry out all work to approved procedures and practices and in compliance with statutory and regulatory requirements
- Use and communicate data and information**
14. record and report to the designated person defects in tool and

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equipment performance

15. record and report to the designated person replacements which are identified
16. check with designated personnel any circumstances where information appears incorrect
17. use organisational information systems to record and store data and information
18. report to the designated person, any damage to tools and equipment
19. refer problems and conditions outside the responsibility of the job role to a 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 and how to comply with them
2. the main responsibilities of the employer and employee under environmental legislation
3. how to carry out and review risk assessments
4. the company reporting lines, roles, responsibilities and levels of authority
5. the identification and application of safe procedures for handling hazardous and non-hazardous materials
6. organisational accident recording and reporting procedures
7. the range and use of personal protective equipment for the work activity and procedures for checking PPE is fit for purpose
8. statutory, organisational and emergency reporting procedures

### **Working with Powered Tools and Equipment and Small Mobile Plant**

9. the potential health hazards when using powered tools and equipment and small mobile plant and the steps required to control the risk
10. how to apply safety precautions before, during, and after operations in accordance with company procedures
11. the implications of toxic fumes, dust, hazardous materials and noise to self, others, adjacent activities, the public, and surrounding environment
12. how to apply correct handling and lifting techniques when using powered tools and equipment and small mobile plant
13. employers and manufacturers' requirements for routine checks and pre-performance checks
14. how to select and use the appropriate tools and equipment and small mobile plant for the work activity
15. the competency requirements for operating power tools and equipment and small mobile plant
16. industry recognised practices for the respective trade occupation and general construction work activities, including current statutory

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requirements.

17. manufacturers' recommendations for operating the powered tools and equipment and small mobile plant
18. the importance of maintaining tools, equipment and small mobile plant in good working order and the defect reporting procedures
19. environmental control and reporting procedures

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### Scope/range

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

**Powered tools and equipment** - Hand-operated, mobile and static e.g. compressor, generator, water pump, vibrating plate compactors, trench rollers, pavement and road saws; pneumatic/hydraulic breakers, disc cutters

EUS GNC009

Operate Powered Tools and Equipment and Small Mobile Plant for Site Operations on Gas Network Construction



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**Developed by** 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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