
Overview

This national occupational standard is about the activities required to assess and analyse a specific work activity on a gas network asset, to determine the particular site conditions, technical requirements, method of working, risk assessment and operational sequence needed to deliver the outcomes required.

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 six elements:

1. identify and confirm the objectives required
2. analyse the specific site conditions to determine any implications
3. undertake a risk assessment and record all relevant factors
4. specify a plan of work to deliver the outcomes required
5. use and communicate data and information
6. resolve problems effectively and efficiently

Performance criteria

You must be able to:

Identify and confirm the objectives required

1. determine the objectives of the task using company documentation and work instructions
2. conduct a site conditions assessment to establish relevant aspects and potential implications
3. confirm any relevant constraints that may impact on the delivery

Analyse the specific site conditions to determine any implications

4. inspect the site and record any specific factors that could affect delivery
5. establish any specific equipment or plant requirements
6. select, check condition, use and store the appropriate personal protective equipment (PPE)

Undertake a risk assessment and record all relevant factors

7. carry out a risk assessment in accordance with industry and employer's own procedures
8. document risk assessment and record all specific risk factors that could impact on safe delivery
9. follow and maintain safe working and environment practices in accordance with health and safety regulations and environmental legislation throughout the duration of the work

Specify a plan of work to deliver the outcomes required

10. produce a method statement that describes the sequence of activities needed to deliver the outcomes required
11. ensure plan complies with all field procedures while delivering the most efficient configuration

12. ensure all permits and authorities required to undertake the work are in place and valid
13. ensure that testing and commissioning aspects are included in the work plan

Use and communicate data and information

14. explain the technical requirements to team and others involved in the work activity
15. describe the method statement and sequence of activities to be followed
16. read and interpret company work instructions and documentation
17. report any variations to the intended method statement
18. confirm the outcomes achieved at the end of the work activity
19. document a job record in accordance with approved industry and employer's own procedures

Resolve problems effectively and efficiently

20. respond to problems within the limits of own job role responsibility
21. report problems outside job role responsibility to designated personnel

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

Work Area and Procedures

7. the company procedures and processes for reporting problems
8. how to read and interpret the procedures and information sources used to make sure that tools and equipment are fit for purpose and safe to use
9. what processes and procedures need to be followed and complied with to carry out risk assessments
10. how to read and interpret instructions for specific technical requirements
11. what personal protective equipment needs to worn when undertaking work activities
12. how to maintain safe working and environmental practices throughout the duration of the work

13. how to minimise risks to self and others when undertaking work activities
14. company work instructions, information and reporting systems and documentation
15. how to select the most suitable route for pipework
16. how to maximise work site protection and security
17. how to respond to the different types and categories of emergency situations that might occur
18. what are the sequence of processes and techniques that need to be followed and applied
19. recognise and report inaccurate and incorrect work instructions and documentation

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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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