

## EUSGNEM04

# Specify methods and procedures to reduce risk on utility network assets



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### Overview

This national occupational standard defines the competence for collecting and evaluating data about potential risks, and developing procedures which can be implemented to reduce risks on the network.

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### Performance criteria

*You must be able to:*

#### **Analyse risk situations on the network**

- P1 use current work procedures to gather together accurate details of risks on the network
- P2 analyse the potential for risk which might arise through the design, construction and installation phase
- P3 analyse the potential for risk in network operations and maintenance
- P4 analyse the potential for risk involved in network de-commissioning and disposal activities
- P5 use the outcomes of each of the analyses and evaluate the different risk reduction methods that could be used to reduce the risks
- P6 select the most effective methods to reduce technical, environmental, and health and safety risks

*You must be able to:*

#### **Produce procedures to reduce risk on the network**

- P7 determine the people, finance, and time resources that are necessary, and available, to implement the risk reduction methods
- P8 match the activities required to implement the risk reduction methods to the different groups of people who will be using the procedures
- P9 decide the items to be included in the procedures and the level of detail required
- P10 incorporate financial and timescale aspects in development of the risk reduction methods
- P11 specify clear procedures for implementing the risk reduction methods
- P12 ensure the risk reduction methods and procedures comply with all relevant regulations and guidelines
- P13 produce procedures which are suitable for the different groups of people who will be using them

*You must be able to:*

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

- P14 use the industry regulations and guidelines - in addition to legislative requirements - to inform development of risk reduction methods and procedures
- P15 use opportunities in tender specifications and material acquisition procedures to promote the implementation of the risk reduction methods
- P16 record the risk reduction methods and procedures in the appropriate information systems

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### Knowledge and understanding

*You need to know and understand:*

#### **General**

- K1 network engineering principles and processes
- K2 health, safety and environmental issues
- K3 legislative and regulatory frameworks
- K4 organisational procedures and systems
- K5 risk analysis and assessment

*You need to know and understand:*

#### **Risk reduction procedures**

- K6 procedures for obtaining details of risks in technical, environmental, and health and safety contexts
- K7 the risk reduction methods that could be used for each of the different risk contexts
- K8 the use of different types of equipment for different risk reduction methods
- K9 the activities required to implement different risk reduction methods
- K10 procedures for obtaining information on property and people resources
- K11 how to determine what property and people resources are necessary and are available
- K12 how to identify the people who will be using the procedures
- K13 how to determine how procedures should be specified for different groups of people
- K14 how to use financial data and determine cost-effectiveness
- K15 items to be included in the procedures, and the level of detail required
- K16 how to produce different types of documents, including method statements and risk assessment templates
- K17 the Legislation, Codes of Practice and industry procedures which need to be complied with, and the procedures for obtaining information on regulations and guidelines

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### **Behaviours**

**You work in a manner which:**

1. is positive and creative to setbacks
2. develops an atmosphere of professionalism and mutual support

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<b>Developed by</b>	Energy and Utility Skills
<b>Version number</b>	1
<b>Date approved</b>	May 2009
<b>Indicative review date</b>	May 2014
<b>Validity</b>	Current
<b>Status</b>	Original
<b>Originating organisation</b>	Energy and Utility Skills
<b>Original URN</b>	GNEM04
<b>Relevant occupations</b>	Engineering; Building and construction; Functional Managers; Draughtspersons and Building Inspectors; Design Associate Professionals; Construction Trades; Building Trades
<b>Suite</b>	Gas Networks Engineering Management
<b>Key words</b>	Risk; risk reduction methods; network engineering; risk analysis