

EUSGNEM06

Maintain and develop own technical and operational engineering expertise related to utility network assets



Overview

This national occupational standard defines the competence for continually refreshing your own engineering knowledge and skills, and making sure it is up-to-date, for your role in the network engineering environment. It requires a methodical and systematic approach to appraising yourself and your role on the network assets and the specific context within which you work.

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Performance criteria

You must be able to:

Assess own expertise for your network job role

- P1 define clearly the engineering activities that need to be undertaken within the job role
- P2 specify the engineering expertise that is required to undertake the engineering activities for your role and responsibilities
- P3 match your current expertise against the engineering activities within the job role
- P4 show where, and why, there is a gap between your expertise and that which is needed
- P5 provide a reasoned brief which outlines your case for continuing professional development activities

You must be able to:

Plan and undertake personal development activities

- P6 monitor developments within the engineering sector and the utility network environment
- P7 evaluate the contribution of new engineering theories, methods, and procedures
- P8 recognise other people's expertise and respect their contribution to the profession
- P9 research the best methods for acquiring new knowledge or skills identified through the assessment exercise
- P10 plan professional development activities to acquire the engineering expertise
- P11 present and discuss your proposals with your manager and other colleagues according to procedures
- P12 develop engineering expertise for your role and responsibilities that relates to the engineering activities involved
- P13 provide information on the expertise acquired according to agreed procedures
- P14 take steps to ensure the expertise is maintained and updated

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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 organisational procedures and systems
- K4 legislative and regulatory frameworks
- K5 evaluation Methods

You need to know and understand:

Personal development

- K6 how to use different continuing professional development processes and methods
- K7 the different types of professional development activities available
- K8 the types of technical, operational, and managerial expertise required for different engineering activities
- K9 the procedures for acquiring different types of professional development and maintaining it on a continuous basis
- K10 how to determine which types of development within the engineering sector, generally, are important and within the utility network environment, specifically
- K11 how to specify who requires information on the expertise
- K12 the engineering design, construction, installation, operation, maintenance, de-commissioning, and disposal activities that could be used for different types of work objective and how to choose between these different activities
- K13 how to specify the different types of activities, how to determine how they can be implemented, and the relationship to each other

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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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