

EUSGNEM18

Commission assets on the utility network



Overview

This national occupational standard defines the competence when commissioning utility network assets. It requires detailed planning of the processes and procedures which will be used and having contingency plans to resolve any problems if they arise. The process is completed with an assessment to ensure everything is fully compliant before handover to the client.

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Performance criteria

You must be able to:

Plan and carry out commissioning of network assets

- P1 clarify and confirm the commissioning requirements with the client
- P2 specify the methods and procedures for commissioning which will be carried out on the network
- P3 plan the commissioning to minimise disruption to others
- P4 involve colleagues, management, and other expertise throughout the commissioning process
- P5 make sure the commissioning complies with specifications, regulations and guidelines
- P6 determine and obtain the resources required to undertake the commissioning
- P7 put contingency plans in place to deal with problems as they occur
- P8 solve any commissioning problems as they occur
- P9 confirm the implementation plan for the commissioning is agreed and authorised before work begins
- P10 ensure the client is kept up-to-date with commissioning activities and is informed when the process is completed

You must be able to:

Assess the outcome of the commissioning process

- P11 check and confirm the commissioning plan has been implemented correctly
- P12 confirm the commissioned work meets specifications and complies with regulations and guidelines before authorization is completed
- P13 assess the results of the commissioning to ensure the work meets the required outcome and standards before handing over to the client
- P14 ensure the results of the commissioning are recorded and kept in the designated information system

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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 installation principles and processes
- K4 legislative and regulatory frameworks
- K5 organisational procedures and systems
- K6 project planning and management
- K7 resource management factors
- K8 product and service configurations

You need to know and understand:

Asset commissioning

- K9 the commissioning methods and procedures to be used
- K10 how to identify which types of commissioning are suitable for different engineering products or processes
- K11 the factors to be taken into account when planning commissioning
- K12 the range of conditions that could occur, and their effect on the commissioning
- K13 the procedures for ensuring that commissioning is implemented correctly
- K14 the types of problem with commissioning that could occur
- K15 the procedures and processes for solving different types of commissioning problem
- K16 the expected outputs from the engineering product or process
- K17 the specifications for the work being commissioned
- K18 the procedures for assessing the results of the commissioning
- K19 how to select and use different evaluation methods
- K20 the procedures for obtaining information on resources
- K21 how to determine what equipment, facilities, materials, plant and equipment, and people resources are necessary
- K22 how to determine what resources are available and their cost
- K23 how to use organisational guidelines and codes of practice, equipment manufacturers' specifications, compliance agency standards, health safety and environmental requirements, customer standards and requirements, and British, European and International standards
- K24 the procedures for obtaining information on regulations and guidelines
- K25 the role and purpose of data audit trails for quality assurance and regulatory requirements
- K26 the importance of using information systems, how to use them, and how to record data in them

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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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