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## Overview

This unit is designed for the candidate to demonstrate their competence in obtaining necessary resources to carry out the commissioning and implementing the correct methods and procedures when conditions are suitable. The candidate will take prompt and effective action to identify and solve any problems with the commissioning and make sure that the networks comply with relevant specifications, regulations and guidelines after commissioning. The candidate will record the results of the commissioning in the appropriate information systems.

The candidate will need knowledge of commissioning processes, installation and construction principles and processes and both general and discipline-specific engineering principles and processes. The candidate will need to be familiar with health, safety, environmental and other relevant legislative and regulatory frameworks. The candidate will also need sound knowledge of testing and purging practice, evaluation methods and organisational procedures and systems, as well as a good grasp of the principles and systems behind effective project planning and management and resource management.

This unit will apply to Network Construction Operations at Level 3 and is intended for Construction Supervisors.

# EUSNCO310 (SQA Unit Code - FA84 04)

## Commission networks

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### Performance criteria

- You must be able to:*
- P1 specify the approved procedures and practices for commissioning the network
  - P2 plan the most appropriate way to commission the network
  - P3 confirm that environment is suitable to implement the commissioning
  - P4 determine and obtain the resources required to undertake the commissioning
  - P5 ensure that the commissioning is implemented correctly
  - P6 identify any problems with the commissioning and effectively solve them
  - P7 assess the results of the commissioning to identify the outputs of the network
  - P8 confirm that the commissioning procedure complies with approved procedures and practices and with all relevant regulatory requirements
  - P9 ensure that the results of the commissioning are recorded in the appropriate relevant information systems

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## Commission networks

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### Knowledge and understanding

*You need to know and understand:*

- K1 what are the commissioning methods and procedures that should be used
- K2 what types of commissioning are suitable for different networks
- K3 what factors should be taken into account when planning commissioning
- K4 what is the range of conditions that could occur, and how does this affect the commissioning
- K5 how to ensure that commissioning is implemented correctly
- K6 what types of problem with commissioning could occur
- K7 how to solve different types of commissioning problem
- K8 what are the expected outputs from the network
- K9 what are the specifications for the network being commissioned
- K10 how to assess the results of the commissioning
- K11 how to obtain information on resources
- K12 what resources are necessary
- K13 what resources are available
- K14 what are the regulations and guidelines that are relevant
- K15 how to obtain information on regulations and guidelines
- K16 what are the systems for recording information
- K17 why it is important to use the information systems

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## Commission networks

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### Additional Information

#### Scope/range related to performance criteria

1. approved procedures and practices: Health, Safety and Environmental related to the individual and others, organisational, regulatory, statutory, emergency, operational, contingency plans, relevant company policies, relevant client policies (internal or external) approved materials and equipment and procedures, and risk assessments
2. environment: workplace, people, varying weather conditions, protected areas, pollution, products, workplace and adjacent areas, waste management
3. resources: plant, equipment, materials, labour, consumables
4. regulatory requirements: Legislative and statutory requirements including Health, Safety and Environmental, continuity of supply and water quality, industry regulations and
5. relevant information: sources of information, statutory and non statutory reports, company documentation, job instructions, client documentation (internal or external)

# EUSNCO310 (SQA Unit Code - FA84 04)

## Commission networks

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