

# EUSGNEM11

## Schedule installation and construction activities on utility network assets



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### Overview

This national occupational standard defines the competence for project planning and developing schedules for the work activities for installing and constructing network assets. It requires examining the operational methods and procedures to be used and sequencing the activities in the most efficient and effective way. It means satisfying the contractual requirements by ensuring the schedules are planned around costs, quality specifications, environmental factors, resources, and timescales. It involves using quantitative and financial analysis, planning and evaluation techniques and then producing information which is available to be used by those carrying out the installation and construction work.

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### Performance criteria

*You must be able to:*

#### **Plan and schedule network activities**

- P1 confirm the activities and resources required to carry out work on the network
- P2 use the most suitable software to carry out the planning activities
- P3 use quantitative and financial planning techniques to determine the most suitable sequence of activities
- P4 schedule the time and resources available for undertaking the activities

*You must be able to:*

#### **Produce network activity schedules**

- P5 produce schedules that meet all contractual, timescale, cost, resource, health and safety, environmental, and quality requirements
- P6 incorporate new schedules into the work process with minimal disruption
- P7 produce contingency plans to overcome potential difficulties
- P8 produce schedules that comply with all relevant regulations and guidelines
- P9 specify the schedules unambiguously and record them in information management 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 installation principles and processes
- K4 legislative and regulatory frameworks
- K5 organisational procedures and systems
- K6 project planning and management methods
- K7 resource management processes and methods

*You need to know and understand:*

#### **Scheduling installation and construction activities**

- K8 the activities required for different methods and procedures
- K9 the relationship of different activities to each other
- K10 the time and resources required for different types of activity
- K11 the contractual, health and safety, environmental, quality, and cost factors to be taken into account when scheduling the use of time and resources
- K12 the use of method statements and procedures in the planning process
- K13 the types of disruption that could be caused by new schedules
- K14 the types of difficulty that could occur
- K15 the items to be included in contingency plans
- K16 the legislation, Codes of Practice and industry procedures which need to be complied with, and the procedures for obtaining information on regulations and guidelines
- K17 the different types of software which can support planning activities
- K18 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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<b>Original URN</b>	GNEM11
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