NVQ/SVQ IN GAS NETWORKS ENGINEERING MANAGEMENT LEVEL 4
QUALIFICATION STRUCTURE OVERVIEW

MANDATORY UNITS

Unit 1 (4.1.3)	Schedule operational activities to implement the operational methods and procedures for gas networks
Unit 2 (4.1.4)	Obtain the resources to implement the operational methods and procedures
Unit 3 (4.2.1)	Implement operational methods and procedures for gas networks
Unit 4 (4.2.2)	Solve operational problems for gas networks
Unit 5 (4.3.1)	Monitor operational processes for gas networks
Unit 6 (4.3.2)	Evaluate operational processes for gas networks
Unit 7 (6.1.1)	Analyse the risks arising from gas networks processes and operations
Unit 8 (6.1.2)	Specify methods and procedures to reduce risks on gas networks
Unit 9 (6.2.1)	Assure the quality of gas networks processes and operations
Unit 10 (6.2.2)	Monitor the quality of gas networks
Unit 11 (6.2.3)	Implement improvements to quality of gas networks
Unit 12 (8.1.1)	Maintain and develop engineering expertise for gas networks
Unit 13 (8.1.2)	Apply professional ethics and values to gas networks
Unit 14 (B3)	Manage the use of financial resources

A INSTALLATION AND CONSTRUCTION ROUTE

Unit 15 I/C (3.1.1): Determine the installation and construction requirements of gas networks
Unit 16 I/C (3.1.2): Specify installation and construction methods and procedures for gas networks
Unit 17 I/C (3.1.4): Schedule activities, methods and procedures to implement the installation and construction of gas networks
Unit 18 I/C (3.2.1): Implement installation and construction methods and procedures for gas networks
Unit 19 I/C (3.2.2): Solve installation and construction problems
Unit 20 I/C (3.3.1): Monitor the installation and construction process for gas networks
Unit 21 I/C (3.3.2): Evaluate the installation and construction process for gas networks
Unit 22 I/C (3.1.3): Obtain the resources to implement the installation and construction of gas networks
Unit 23 I/C (6.1.3): Investigate incidents relating to gas networks processes and operations.

OPTIONAL UNITS

Unit 24 I/C (3.4.3): Transfer control of gas networks
Unit 25 I/C (3.4.1): Commission gas networks
Unit 26 I/C (3.4.2): Configure gas networks to meet operators' requirements
Unit 27 I/C (4.1.1): Determine the operational requirements of gas networks
Unit 28 I/C (4.1.2): Specify operational methods and procedures to achieve operational requirements for gas networks
Unit 29 I/C (4.4.2): Implement de-commissioning methods and procedures for gas networks

B MAINTENANCE ROUTE

Unit 15 M (5.1.1) Determine the maintenance requirements for gas networks
Unit 16 M (5.1.2): Specify maintenance methods and procedures to achieve maintenance requirements for gas networks
Unit 17 M (5.1.3): Schedule maintenance activities to implement maintenance methods and procedures for gas networks
Unit 18 M (5.1.4): Obtain the resources to implement the maintenance methods and procedures for gas networks
Unit 19 M (5.2.1): Implement the maintenance processes for gas networks
Unit 20 M (5.2.2): Solve maintenance problems for gas networks
Unit 21 M (6.1.3): Investigate incidents relating to gas networks processes and operations

OPTIONAL UNITS

Unit 22 M (3.4.1): Commission gas networks
Unit 23 M (4.4.2): Implement de-commissioning methods and procedures for gas networks
Unit 24 M (5.3.1): Monitor maintenance processes for gas networks
Unit 25 M (5.3.2): Evaluate maintenance processes for gas networks

C DESIGN ROUTE

Unit 15 D (1.4.2): Establish a strategy for the design process for gas networks
Unit 16 D (1.4.3): Create designs for gas networks
Unit 17 D (1.4.4): Evaluate designs for gas networks
Unit 18 D (1.4.5): Complete designs for gas networks
Unit 19 D (1.1.2): Produce specifications for gas networks

OPTIONAL UNITS

Unit 20 D (1.1.1): Identify the requirements of clients
Unit 21 D (1.4.1): Establish a design brief for gas networks

D PROJECT MANAGEMENT ROUTE

Unit 15 PM (7.1.1): Develop project objectives for gas networks
Unit 16 PM (7.1.2): Plan the delivery of projects
Unit 17 PM (7.1.3): Obtain the resources required to achieve project objectives
Unit 18 PM (7.1.4): Specify the engineering activities required to achieve project objectives for gas networks
Unit 19 PM (7.2.1): Establish project management systems for gas networks
Unit 20 PM (7.2.2): Manage the implementation of projects for gas networks
Unit 21 PM (7.2.3): Evaluate projects for gas networks
Unit 22 PM (6.1.3): Investigate incidents relating to gas networks processes and operations

Route/Pathway Requirements:

I/C:	Candidates must complete all mandatory units, all I/C route units, and 2 from the 6 optional I/C units
Design:	Candidates must complete all mandatory units, all Design route units, and 1 from the 2 optional Design units
Maintenance:	Candidates must complete all mandatory units, all Maintenance route units, and 2 from the 4 optional Maintenance units
Project Man:	Candidates must complete all mandatory units and all Project Management route units