



Australian Government

**Assessment Requirements for UEGNSG027
Perform routine maintenance on
transmission pipeline facilities and
equipment**

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Modification History

Release 1. This is the first release of this unit of competency in the UEG Gas Industry Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least two separate occasions and include:

- applying problem-solving techniques
- applying relevant workplace safety requirements, including:
 - working safely with hazardous materials and equipment
 - identifying and reporting hazards
 - implementing risk control measures
 - selecting and using correct personal protective equipment (PPE)
- applying relevant industry standards, guidelines, codes of practice and regulations
- applying sustainable energy and environmental principles and practices
- communicating effectively with stakeholders
- completing work and relevant documentation
- conducting quality checks
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- following work schedule, safety plan and job requirements
- following workplace procedures
- interpreting technical drawings, plans and materials lists
- isolating, depressurising, tagging and locking out facilities/equipment
- obtaining relevant resources, tools, equipment and materials to conduct the work
- obtaining relevant work permits
- operating gas detector
- performing routine maintenance on transmission pipeline facilities and equipment
- positioning signs, barriers and warning devices
- preparing and planning for routine maintenance on transmission pipeline facilities and equipment
- rehabilitating and maintaining a clean worksite
- reporting anomalies
- restoring all site isolations
- identifying the required updates to plans and drawings.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- appropriately licensed persons
- communication and recording/reporting documentation requirements and procedures
- de-isolation all sources of energy, removal of tags and locks and return to normal operation requirements and procedures
- faults managed during routine maintenance
- gas industry products, processes and characteristics
- hazardous activities, including lifting, climbing, working in confined spaces and aloft, and use of power tools
- isolation, depressurisation, tagging and lock-out of pipeline facilities and equipment requirements and procedures
- quality checks
- relevant industry standards, guidelines, codes of practice and regulations
- relevant tools, equipment and calibrated instruments
- remote monitoring systems operations such as supervisory control and data acquisition (SCADA) and how the station operations may affect, impact and interact
- manufacturer specifications, manuals, part lists, calibration forms and checklists
- relevant industry standards, guidelines, codes of practice and regulations
- relevant workplace safety requirements, including:
 - legislated work health and safety (WHS)/occupational health and safety (OHS) requirements
 - legislated industry/technical specific requirements
 - workplace safety procedures
 - manufacturer requirements
- relevant work permits
- relevant workplace documentation
- relevant workplace policies and procedures
- site preparation, safety plans, job requirements and work schedules
- positioning of signs, barriers, and warning devices.
- types of pipelines, facilities and equipment to be inspected and tested.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations
- relevant and appropriate materials, tools, equipment and PPE currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6a6c032e-ffcb-4f3d-8063-415efbd261e8>