



Australian Government

Assessment Requirements for UEGNSG305 Coordinate gas transmission pipeline repairs and modifications

Release: 1

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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 relevant industry standards, guidelines, codes of practice and regulations
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - applying sustainable energy and environmental principles and practices
 - ensuring emergency response procedures are in place
 - hazard identification and reporting
 - implementing risk control measures
 - selecting and using correct personal protective equipment (PPE)
 - work safely with hazardous materials and equipment
- carrying out sign-off procedures
- communicating instructions/schedules
- communicating with other authorities and relevant stakeholders
- completing relevant reports, records and documentation
- completing work and relevant documentation, records, reports and drawings
- conducting briefings
- conducting final inspections of repairs/modifications
- conducting quality and safety checks
- coordinating repairs or modifications for gas transmission pipelines
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- following workplace procedures
- identifying repairs/modifications
- inspecting and testing equipment
- interpreting technical drawings, plans and materials lists
- isolating/de-energising systems
- liaising and communicating with relevant parties
- monitoring pipeline system during repair work
- obtaining approvals from relevant authorities

- obtaining relevant work permits
- operating gas detector
- planning for the coordination of repairs and modifications of gas transmission pipeline
- positioning road signs, barriers and warning devices
- recommissioning/ re-establishing pipeline, including re-establishing transmission pipeline to operational condition
- rehabilitating/reinstating work site
- testing of repairs is checked/completed
- updating drawings/plans to reflect repairs/modifications.

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:

- appropriate tools and equipment to inspect and test the pipeline system
- hazardous activities, including lifting, climbing, working in confined spaces and aloft
- information relevant to pipeline repair and modification
- inspecting and testing procedures
- preparation for testing and inspection of pipeline system
- preparation of work site for repairs/modifications work
- problem-solving techniques
- record maintenance procedures
- relevant industry standards, guidelines, codes of practice and regulations
- relevant manufacturer specifications
- relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes
- relevant technical drawings, plans, material lists or specifications
- relevant WHS/OHS legislated requirements, including:
 - hazards, risk assessment and control measures
 - environmental and sustainable energy principles and practices
- relevant workplace documentation
- relevant workplace policies and procedures
- repair work and amendments or modifications
- requirements for recording and interpreting test data
- site inspection procedures
- traffic management plans
- transmission pipeline repairs and modifications.

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

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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>