



Australian Government

Assessment Requirements for UEGNSG214 Coordinate and conduct gas distribution pipeline repair 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:

- ability to identify defects and repair methods
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - ensuring emergency response procedures are in place
 - hazard identification and reporting
 - implementing risk control measures
 - selecting and using correct personal protective equipment (PPE)
 - working safely with hazardous materials and equipment
- applying problem-solving techniques
- applying sustainable energy and environmental principles and practices
- choosing and checking the appropriate equipment, plant, tools, measuring devices and PPE for distribution repair and modification work
- communicating schedules to coordinate to person/s
- complying with relevant regulations, industry standards, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- communicating with authorities and relevant stakeholders
- completing work and relevant documentation
- conducting quality and safety checks
- coordinating on-the-job gas distribution pipeline repairs or modifications
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- following workplace procedures
- identifying leaks
- inspecting and testing
- interpreting technical drawings, plans and materials lists
- obtaining relevant resources, specifications, plans, tools, equipment and materials
- obtaining relevant work permits

- positioning road signs, barriers and warning devices
- preparing and planning for coordination of repairs and modifications of a gas distribution pipeline
- recommissioning gas distribution pipeline to operational conditions and notifying relevant person/s of completion of work
- updating records and drawings 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:

- communication techniques
- controls for stray, static and induced electrical faults
- different classification of leaks and relevant procedures associated with each class of leak and gas types
- hazard warnings and safety signs
- hazardous activities, including lifting, climbing, working in confined spaces or aloft, and use of power tools
- information relevant to pipeline repair and modification
- maintaining records
- monitoring process of the pipeline system during repair work
- preparation process for testing and inspection of pipeline system
- preparation process of the work site for repairs/modifications work
- problem-solving techniques
- properties and characteristics of different types of fuel gases relevant to pipeline systems to be tested
- recommission system and restore site
- relevant regulations, industry standards, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes
- relevant stakeholders, including authorised persons, authorities, clients and land owners
- relevant technical drawings, plans, material lists or specifications
- relevant testing and inspection methods appropriate to the system under test
- relevant timeframes
- relevant tools and equipment to inspect and test the pipeline system
- relevant workplace documentation
- relevant workplace policies and procedures
- relevant WHS/OHS legislated requirements, including:
 - hazards, risk assessment and control measures and procedures
 - environmental and sustainable energy principles and practices
 - emergency response procedures

- repairs, repair and modifications required, including required equipment, materials, PPE and persons for the work
- road signs, barriers and warning devices
- site inspections
- techniques to record and interpret test data.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

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>