



Australian Government

Assessment Requirements for UEGNSG354 Control excavations in the vicinity of gas transmission pipelines

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 planning skills, including contacting relevant organisations to determine utility service locations and planning to control excavation in the vicinity of gas transmission pipelines
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - applying safe manual handling techniques
 - 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 sustainable energy and environmental principles and practices
- communicating effectively in the workplace, including conducting briefings
- completing work and relevant documentation, records, reports and drawings, including conducting quality and safety checks
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- identifying and evaluating threats to the integrity of transmission pipelines, including controlling threats to the integrity of transmission pipelines
- inspecting and testing equipment
- interpreting technical drawings and plans
- issuing, monitoring and controlling work permits
- locating other assets in a safe manner
- maintaining a safe and clean work site
- monitoring and controlling excavations in the vicinity gas transmission pipelines, including benching and shoring
- operating pipe locator
- performing on-site inductions

- supervising contractors.

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:

- construction and excavation machinery
- emergency, accident and incident situations, including emergency/incident control procedures and emergency response plans
- external interference physical and procedural protection measures
- fault-finding and troubleshooting techniques
- hazardous activities, including lifting, climbing, working in confined spaces and aloft
- locating utilities and services
- notification of appropriate authorities and requirements for temporary or permanent restorations
- plans, codes of practice, industry standards and drawings relevant to specific work sites
- preparing, conducting and completing an excavation, including:
 - excavation and shoring techniques, including excavating of gas industry workplace trenches and gas transmission pipeline proximity excavation
 - WHS/OHS and environmental principles and practices, including:
 - environmental and sustainable energy principles and practices
 - hazard identification and reporting
 - hazardous and flammable materials
 - implementing risk control measures
 - personal protective equipment
 - risk assessment
 - safety data sheets (SDS)/material safety data sheets (MSDS) and spill kits
- preparing an excavation site
- regulatory requirements and procedures for excavating trenches and reinstating sites
- relevant authorities or enterprises to contact regarding the location of other utilities or services, including Dial Before You Dig
- relevant industry plant, equipment, tools and materials
- relevant industry standards, guidelines, codes of practice and regulations
- relevant manufacturer specifications
- relevant plans and drawings to identify the location of utilities and services
- relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes
- relevant WHS/OHS legislated requirements, including industry standards, codes of practice and guidelines
- relevant work permits and authorisations
- relevant workplace documentation
- relevant workplace policies and procedures

- security breach procedures.

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>