



**Australian Government**

# **UEG20121 Certificate II in Gas Supply Industry Operations**

**Release 1**

# UEG20121 Certificate II in Gas Supply Industry Operations

## Modification History

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

## Qualification Description

This qualification provides competencies for entry-level gas supply industry activities in transmission, distribution pipeline and cylinder operations and functions as outlined below:

- Distribution pipeline activities, including laying distribution infrastructure (including pipes); developing gas pipeline infrastructure and reading gas meters in industrial, commercial and rural environments, on pipelines, associated facilities and equipment, and control centres.
- Transmission pipeline activities, including right of way preparation, rigging operations, hydrotesting, laying pipelines, operating transmission pipeline construction plant and equipment, and conducting minor mechanical maintenance.
- Gas cylinder operations for domestic and industrial supply of gaseous fuels, including checking, testing, maintaining and filling of gaseous fuel cylinders and the storage, handling, loading, transportation and distribution of cylinders in accordance with the relevant Australian Standards and regulatory requirements.

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

## Entry Requirements

There are no entry requirements for this qualification

## Packaging Rules

A total of 360 weighting points comprising:

120 core weighting points listed below; plus

240 elective weighting points from the elective units listed below.

Choose a minimum of 240 **weighting points** elective units from the list below, of which between 0 and 60 **weighting points** can be taken from Group A, between 180 and 240 **weighting points** can be taken from Group B, all 240 **weighting points** can be taken from Group B.

**Up to 60 weighting points of the elective units Group A**, may be selected, with appropriate contextualisation, from any relevant nationally endorsed Training Package or accredited course, provided selected units contribute to the vocational outcome of the qualification. Previously assigned weighting points are listed in the UEG CVIG, if not listed weighting points will be 10 points unless directed from the Gas Industry Reference Committee (IRC). The general elective units must contribute to the vocational outcomes of the qualification.

Where imported units are selected, care must be taken to ensure all prerequisite units specified are complied with.

Where a prerequisite unit is attached to a unit, it is identified by this symbol ⊥.

| <b>Core units</b>                                  |   | <b>Weighting Points</b> |
|--|---|-------------------------|
| UEGNSG005  | Prepare to work in the gas industry   | 20                      |
| UEGNSG132  | Carry out basic work activities in a gas industry work environment                            | 60                      |
| UEGNSG140  | Apply environmental policies and procedures in the utilities industry                         | 20                      |
| UEGNSG141  | Apply workplace health and safety regulations, codes and practices in the gas supply industry | 20                      |
| <b>Group A: Imported and common elective units</b> |   | <b>Weighting Points</b> |
| CPCCLDG3001  | Licence to perform dogging  | 30                      |
| CPCCLRG3001  | Licence to perform rigging basic level<br>⊥ CPCCLDG3001 Licence to perform dogging            | 40                      |
| CPCCWHS1001  | Prepare to work safely in the construction industry   | 10                      |
| CPPFES2005   | Demonstrate first attack firefighting equipment   | 15                      |
| HLTAID009  | Provide cardiopulmonary resuscitation   | 10                      |
| HLTAID011  | Provide First Aid   | 10                      |
| HLTAID013  | Provide First Aid in remote or isolated site  | 10                      |
| HLTWHS005  | Conduct manual tasks safely   | 20                      |
| ICTICT214  | Operate application software packages   | 20                      |
| MSMPER200  | Work in accordance with an issued permit  | 20                      |
| MSMPER201  | Monitor and control work permits  | 20                      |
| MSMPER202  | Observe permit work   | 20                      |
| MSMSUP210  | Process and record information  | 30                      |

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|------------|--|----|
| MSMSUP240  | Undertake minor maintenance  | 30 |
| MSMWHS110  | Follow emergency response procedures   | 20 |
| MSMWHS205  | Control minor incidents  | 30 |
| MSMWHS216  | Operate breathing apparatus  | 20 |
| MSMWHS217  | Gas test atmospheres   | 30 |
| MSS402061  | Use SCADA systems in operations  | 30 |
| PMAOMIR210 | Control evacuation to muster point   | 20 |
| PMAOPS223  | Operate and monitor valve systems  | 40 |
| PMAWHS211  | Prepare equipment for emergency response   | 20 |
| RIICCM205F | Carry out manual excavation  | 10 |
| RIICCM206E | Support plant operations   | 10 |
| RIICCM207E | Spread and compact materials manually  | 10 |
| RIICCM208E | Carry out basic levelling  | 10 |
| RIICCM210E | Install trench support   | 15 |
| RIICRC208E | Lay pipes  | 40 |
| RIIMPO308F | Conduct tracked dozer operations   | 40 |
| RIIMPO318F | Conduct civil construction skid steer loader operations                                | 70 |
| RIISAM201E | Handle resources and infrastructure materials and safely dispose of nontoxic materials | 15 |
| RIIWHS202E | Enter and work in confined spaces  | 30 |
| RIIWHS204E | Work safely at heights   | 20 |
| RIIWHS205E | Control traffic with stop-slow bat   | 10 |

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|------------|---|----|
| RIIWMG203E | Drain and dewater civil construction sites                                      | 20 |
| TLIB0002   | Carry out vehicle inspection  | 20 |
| TLIC2002   | Drive light rigid vehicle   | 40 |
| TLIC2025   | Operate four wheel drive vehicle  | 40 |
| TLIC3003   | Drive medium rigid vehicle  | 40 |
| TLIC3004   | Drive heavy rigid vehicle   | 40 |
| TLIC3005   | Drive heavy combination vehicle   | 40 |
| TLID0012   | Operate a vehicle-mounted loading crane   | 40 |
| TLID2003   | Handle dangerous goods/hazardous substances                                     | 40 |
| TLID2010   | Operate a forklift  | 40 |
| TLID2016   | Load and unload explosives/dangerous goods                                      | 30 |
| TLIF2006   | Apply accident-emergency procedures   | 20 |
| TLIF2010   | Apply fatigue management strategies   | 30 |
| TLIF2012   | Apply safe procedures when handling/transporting dangerous goods or explosives  | 30 |
| TLILIC0002 | Licence to operate a vehicle loading crane (capacity 10 metre tonnes and above) | 40 |
| TLILIC0003 | Licence to operate a forklift truck   | 40 |
| TLILIC2014 | Licence to drive a light rigid vehicle  | 40 |
| TLILIC2015 | Licence to drive a medium rigid vehicle   | 40 |
| TLILIC2016 | Licence to drive a heavy rigid vehicle  | 50 |
| TLILIC3017 | Licence to drive a heavy combination vehicle                                    | 60 |
| UEECO0002  | Maintain documentation  | 20 |

| <b>Group B: Qualification elective units</b> |  | <b>Weighting Points</b> |
|--|--|-------------------------|
| UEECD0007                                    | Apply work health and safety regulations, codes and practices in the workplace   | 20                      |
| UEECD0019                                    | Fabricate, assemble and dismantle utilities industry components<br><ul style="list-style-type: none"> <li>└ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</li> </ul>  | 40                      |
| UEECD0051                                    | Use drawings, diagrams, schedules, standards, codes and specifications<br><ul style="list-style-type: none"> <li>└ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</li> </ul>   | 40                      |
| UEGNSG004                                    | Locate, prove and protect utility assets   | 60                      |
| UEGNSG006                                    | Use a portable gas detector to locate escape   | 40                      |
| UEGNSG101                                    | Undertake gas leak surveys   | 60                      |
| UEGNSG134                                    | Establish a utilities infrastructure work site   | 60                      |
| UEGNSG203                                    | Evaluate and extinguish gas fire   | 20                      |
| UEGNSG206                                    | Construct and lay copper and stainless steel gas distribution pipelines  | 60                      |
| UEGNSG219                                    | Conduct excavations in the utilities industry  | 60                      |
| UEGNSG226                                    | Assist with the construction, laying and connection of gas distribution services to mains  | 40                      |
| UEGNSG227                                    | Assist with the construction and laying of gas distribution mains  | 40                      |
| UEGNSG230                                    | First on site response to gas pipeline emergencies<br><ul style="list-style-type: none"> <li>└ CPPFES2005 Demonstrate first attack firefighting equipment</li> <li>└ HLTAID011 Provide First Aid</li> <li>└ UEGNSG141 Apply workplace health and safety regulations, codes and practices in the gas supply industry</li> </ul> | 90                      |

|            |  |    |
|------------|--|----|
| UEGNSG303  | Carry out transmission pipeline construction work activities                             | 60 |
| UEGNSG316  | Work in proximity of transmission pipeline construction plant and equipment              | 40 |
| UEGNSG330  | Coat metallic pipelines  | 80 |
| UEGNSG331  | Establish right of way access for transmission pipeline construction                     | 60 |
| UEGNSG342  | Maintain pipeline easements  | 40 |
| UEGNSG615  | Fill LPG cylinders   | 80 |
| UEGNSG616  | Refurbish gas cylinders  | 80 |
| UEGNSG702  | Disconnect and reconnect small capacity gas meters                                       | 40 |
| UEGNSG708  | Pressure test residential and small commercial gas installations                         | 40 |
| UEGNSG709  | Process meter reading information using appropriate technology                           | 40 |
| UEGNSG710  | Read and record meter readings   | 40 |
| UEGNSG714  | Relight Type A gas appliances  | 60 |
| UEGNSG715  | Use data logging equipment   | 60 |
| UEGNSG804  | Maintain single stage and single run gas flow and pressure control and measuring devices | 80 |
| UEGNSG901  | Apply safety practices, procedures, and compliance standards for handling hydrogen gas   | 30 |
| UEPOPS203  | Operate and monitor communications system  | 20 |
| UEPOPS205  | Conduct minor mechanical maintenance   | 30 |
| UETTDREL14 | Working safely near live electrical apparatus as a non-electrical worker                 | 40 |

## Qualification Mapping Information

This qualification replaces and is equivalent to UEG20120 Certificate II in Gas Supply Industry Operations

## Links

Companion Volume Implementation Guides are found in VETNet -

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