



Australian Government

UEG50114 Diploma of Gas Supply Industry Operations

Release 1

UEG50114 Diploma of Gas Supply Industry Operations

Modification History

This is a replacement qualification for UEG50211 Diploma of Gas Supply Industry Operations

Description

Scope

This qualification provides competencies to manage Gas Supply Industry activities including management of projects covering the installation, diagnostics and maintenance of distribution and transmission gas pipelines and associated equipment.

It is an Australia Qualification Framework (AQF) level 5 qualification which provides integrated technical and theoretical concepts in a broad range of contexts to undertake advanced skilled or paraprofessional work which includes the analysis of information to complete a range of activities, developing solutions to complex problems and providing information and skills to others.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

Not applicable.

Packaging Rules

Completion requirements

The requirements for granting this qualification will be met when competency is demonstrated and achieved for:

- All the Core competency standard units to achieve a total weighting of 280 points, defined in the Core Competency Standard Units table below and
- A combination of Elective competency standard units to achieve a total weighting of 1320 points in accordance with the Elective Competency Standard Units table below, resulting in the achievement of overall weighting of 1600 points.
- All the required pre-requisite competency standard units have been met as required

Core Competency Standard Units		Weighting Points
All Core competency standard units to be achieved		
UEGNSG005A	Prepare to work in the gas industry	20
UEGNSG132A	Carry out basic work activities in a gas industry work environment	60
UEGNSG133A	Comply with environmental policies and procedures in the utilities industry	40
UEGNSG141A	Apply Workplace Health and Safety regulations, codes and practices in the gas supply industry	20
UEGNSG113B	Manage a utilities industry OHS management system	80
UEGNSG120B	Manage gas system environmental compliance	60
Total points in core		280

Elective Competency Standard Units		
Complete Elective units to achieve a total of weighting of 1260 points from the following groups:		
Group	Minimum points	Maximum points

A	Imported and Common Elective Units Imported units from other qualifications, training packages and/or state accredited courses can be added to this group, but they must be at AQF level 5. If units have not being assigned a weighting by the relevant E-Oz Industry Technical Advisory Committee, their weighting will be 10 points. Note: For further information see Application of the NQC Flexibility Formula, refer to UEG11 Gas Industry Training Package, Version 2, Qualification Framework.	0	260
B	Qualification AQF 2 Electives	0	180
C	Qualification AQF 3 Electives	330	670
D	Qualification AQF 4 Electives	300	810
E	Qualification AQF 5 Electives	180	340

Group A – Imported and Common Elective Units		Weighting Points
You may complete units to a maximum weighting of 260		
BSBCUS501C	Manage quality customer service	40
BSBFLM309C	Support continuous improvement systems and processes	40
BSBINM501A	Manage an information or knowledge management system	50
BSBINN502A	Build and sustain an innovative work environment	50
BSBLED501A	Develop a workplace learning environment	60
BSBMGT502B	Manage people performance	70
BSBMGT515A	Manage operational plan	60
BSBMGT516C	Facilitate continuous improvement	60
BSBWHS501A	Ensure a Safe Workplace	60
BSBWOR501B	Manage personal work priorities and professional development	60
BSBWOR502B	Ensure team effectiveness	60
PMAOMIR512 B	Establish incident response preparedness and response systems	70

	<p>Imported units from other qualifications, training packages and/or state accredited courses can be added to this group, but they must be selected from qualifications where the unit is first packaged at AQF level 3. If units have not being assigned a weighting by the relevant EE-Oz Industry Technical Advisory Committee, their weighting will be 10 points.</p> <p>Note: For further information see Application of the NQC Flexibility Formula, Page 10, UEG11 Gas Industry Training Package, Version 1, Volume 1 Qualification Framework</p>	Up to 260 points
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Group B – Qualification AQF 2 Electives		Weighting Points
You may complete units to maximum weighting of 180 points		
UEENEEE102 A	Fabricate, assemble, and dismantle utilities industry components	40
UEENEEE107 A	Use drawings, diagrams, schedules, standards, codes and specifications	40
UEENEEM080 A	Report on the integrity of explosion-protected equipment in a hazardous area	20
UEGNSG004A	Locate, prove and protect utility assets	60
UEGNSG006A	Use a portable gas detector to locate escape	40
UEGNSG134A	Establish a utilities infrastructure work site	60
UEGNSG136A	Carry out transmission pipeline construction work activities	60
UEGNSG140A	Apply environmental policies and procedures in the utilities industry	20
UEGNSG219A	Conduct excavations in the utilities industry	60
UEGNSG221A	First on site response to gas pipeline emergencies	90
UEGNSG224A	Construct and lay copper and stainless steel gas distribution pipelines	60
UEGNSG226A	Assist with the construction, laying and connection of gas distribution services to mains	40
UEGNSG227A	Assist with the construction and laying of gas distribution mains	40
UEGNSG330A	Coat metallic pipelines	80
UEGNSG331A	Establish right of way access for transmission pipeline construction	60
UEGNSG332A	Undertake hydro-testing for transmission pipeline construction	60
UEGNSG333A	Work in proximity of transmission pipeline construction plant and equipment	40

Group B – Qualification AQF 2 Electives		Weighting Points
You may complete units to maximum weighting of 180 points		
UEGNSG342A	Maintain pipeline easements	40
UEGNSG615A	Fill LPG cylinders	80
UEGNSG616A	Refurbish gas cylinders	80
UEGNSG705A	Disconnect and reconnect small capacity gas meters	40
UEGNSG708A	Pressure Test Residential and Small Commercial Gas Installations	40
UEGNSG711A	Process meter reading information using appropriate technology	40
UEGNSG712A	Read and record meter readings	40
UEGNSG714A	Relight Type A gas appliances	60
UEGNSG804A	Maintain single stage and single run gas flow and pressure control and measuring devices	80
UEPOPS203B	Operate and Monitor Communications System	20
UEPOPS205B	Conduct Minor Mechanical Maintenance	30
UETTDREL14 A	Working safely near live electrical apparatus as a non-electrical worker (moved from Group A)	40

Group C – Qualification AQF 3 Electives		Weighting Points
Complete units to at least 330 points, with a maximum weighting of 670 points		
UEENEEM020 A	Attend to breakdowns in hazardous areas — gas atmospheres	20
UEENEEM076 A	Use and maintain the integrity of a portable gas detection device	20
UEGNSG135A	Monitor and control gas odourisation	100
UEGNSG137A	Operate and maintain gas station water bath heaters	60
UEGNSG138A	Install and commission stationary gas fuelled turbine engines	60

UEGNSG139A	Repair and maintain stationary gas fuelled turbine engines	60
UEGNSG142A	Conduct isolations under the permit to work system for gas industry work sites	80
UEGNSG212B	Construct, lay and connect a gas distribution service to a plastic main	60
UEGNSG213B	Construct, lay and connect a gas distribution service to a steel main	60
UEGNSG216A	Commission or decommission gas distribution pipelines	100
UEGNSG217A	Launch and recover PIGs in a gas distribution pipeline	100
UEGNSG218A	Carry out surveillance on gas distribution assets	90
UEGNSG220A	Construct and lay Polyethylene gas distribution mains	60
UEGNSG222A	Construct and lay nylon or PVC gas distribution mains	60
UEGNSG223A	Construct and lay steel gas distribution pipelines	60
UEGNSG225A	Perform routine maintenance on distribution pipeline facilities and equipment	100
UEGNSG228A	Construct and lay large copper gas distribution pipelines	60
UEGNSG229A	Prepare simple drawings of as laid gas mains and services	40
UEGNSG344A	Commission or decommission gas transmission pipelines	120
UEGNSG346A	Launch and recover PIGs in gas transmission pipelines	100
UEGNSG347A	Perform routine maintenance on transmission pipeline facilities and equipment	110
UEGNSG348A	Supervise the operation of plant and equipment for the construction of gas transmission pipelines	60
UEGNSG349A	Carry out surveillance of gas transmission pipelines	110
UEGNSG350A	First response to a gas facility event	60
UEGNSG352A	Check and report on gas station conditions	40
UEGNSG353A	Carry out aerial surveillance of gas transmission pipelines	60
UEGNSG354A	Control excavations in the vicinity of gas transmission	60

	pipelines	
UEGNSG355A	Monitor and report on cathodic protection systems	60
UEGNSG356A	Monitor and operate flow control, pressure measuring and regulating devices for gas transmission	100
UEGNSG411A	Maintain cathodic protection systems	100
UEGNSG412A	Install cathodic protection systems	110
UEGNSG506A	Respond to gas infrastructure emergencies	80
UEGNSG507A	Remotely monitor and operate gas transmission flow and pressure measuring and regulating devices	90
UEGNSG508A	Remotely check and report on gas station conditions	40
UEGNSG614A	Load, unload, exchange and connect LPG cylinders	80
UEGNSG617A	Monitor and control the transfer of bulk LPG	100
UEGNSG618A	Process Liquefied Petroleum Gas (LPG)	100
UEGNSG619A	Perform scheduled maintenance on gas processing or storage facilities and equipment	110
UEGNSG620A	Organise the repair of faults in LPG processing or storage facilities and equipment	80
UEGNSG621A	Control bulk storage of LPG	110
UEGNSG622A	Assess the operational capability of gas safety equipment on a delivery vehicle	40
UEGNSG706A	Test New Residential and Small Commercial Gas Installations	60
UEGNSG713A	Investigate billing exceptions-conditions	60
UEGNSG811A	Monitor and operate complex flow control, measuring and regulating devices for gas distribution	110
UEGNSG805A	Maintain Multi-Stage and Multi-Run Gas Flow and Pressure Measuring and Regulating Devices	80
UEGNSG807A	Install Gas Flow, Measuring and Pressure Regulating Devices	80
UEPMNT367A	Install and commission stationary gas fuelled reciprocating engines	60

UEPMNT368A	Repair and maintain stationary gas fuelled reciprocating engines	60
UEPOPS317B	Operate and Monitor Fixed Fire Protection Systems	30
UEPOPS336B	Manage, operate and monitor a gas turbine unit	60
UEPOPS347B	Operate and monitor supervisory, control and data acquisition systems	40

Group D – Qualification AQF 4 Electives		Weighting Points
Complete units to at least 300 points, with a maximum weighting of 810 points.		
UEENEEE117 A	Implement and monitor energy sector OHS policies and procedures	20
UEGNSG106B	Coordinate repair of pipeline, facilities and equipment	110
UEGNSG108B	Operate and monitor pipeline control systems	60
UEGNSG109B	Control field pipeline operations	60
UEGNSG110B	Supervise technical operations for gas distribution or transmission	60
UEGNSG111B	Produce maintenance strategies and plans for a gas facility	80
UEGNSG131A	Compile a gas industry technical report	20
UEGNSG204B	Coordinate and conduct gas distribution pipeline repair and modifications	110
UEGNSG207B	Coordinate construction, laying and testing of gas distribution pipelines	110
UEGNSG210B	Supervise and monitor contract staff for work on distribution pipelines	120
UEGNSG305B	Coordinate gas transmission pipeline repair and modifications	110
UEGNSG308B	Identify, evaluate and control threats to transmission pipelines	40
UEGNSG310B	Supervise and monitor contract work	60
UEGNSG311B	Site control of third party works in the vicinity of a transmission pipeline	40

UEGNSG314B	Liaise with third party and the community to maintain pipeline integrity and community safety	40
UEGNSG319B	Custody transfer metering and gas quality analysis	80
UEGNSG324A	Follow company procedures to deal with incidents related to the abuse of drugs and alcohol	60
UEGNSG325A	Coordinate the operation of relevant plant and equipment for transmission pipeline construction	80
UEGNSG326A	Coordinate and monitor staff and contractors	60
UEGNSG327A	Coordinate transmission pipeline construction operations	60
UEGNSG511A	Operate gas infrastructure to meet nominated demand	120
UEGNSG512A	Control centre communication with gas industry stakeholders	110
UEGNSG514A	Managing and controlling field activities	110
UEGNSG515A	Use control centre systems to monitor and control gas infrastructure	110
UEGNSG611B	Control LPG storage/processing operations	110
UEGNSG612B	Supervise technical operations for liquefied petroleum gas storage and processing	120
UEGNSG806A	Maintain SCADA controlled flow and pressure equipment and electronic gas measurement equipment	100

Group E – Qualification AQF 5 Electives		Weighting Points
Complete units to at least 180 points, with a maximum weighting of 340 points.		
UEGNSG513A	Manage emergencies and critical incidents for gas infrastructure	120
UEGNSG114B	Coordinate and monitor implementation of a risk management plan for a utilities industry facility	100
UEGNSG115B	Manage gas systems projects	80
UEGNSG116B	Manage Gas Industry physical resources	80

Note:

1. Prerequisite pathways shall be identified and met for all elective units selected.
2. In selecting elective units considerations to career planning advice should be given to units that form part of a prerequisite pathway for the progression to achieve particular competencies or qualification at a higher level.

END OF QUALIFICATION

Custom Content Section

Not applicable.