



**Australian Government**

# **UEG40311 Certificate IV in Gas Supply Industry Operations**

**Release 2**

## UEG40311 Certificate IV in Gas Supply Industry Operations

### Modification History

Release	Action	Core/Elective	Details	Points
2	Update	Group A	BSBCUS401B Coordinate implementation of customer service strategies	40
2	Update	Core	UEENEEE117A Implement and monitor energy sector OHS policies and procedures	20
2	Update	Core	UETTDREL15A Respond to power systems technical enquiries and requests	60
2	Add	Group A	CPCPCM4012A Estimate and cost work	40
2	Add	Group A	HLTCPR211A Perform CPR	10
2	Add	Group A	HLTFA311A Apply First Aid	10
2	Add	Group B	UEENEEE102A Fabricate, assemble, and dismantle utilities industry components	40
2	Add	Group B	UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	40
2	Add	Group B	UEGNSG209B First on site emergency response on a distribution pipeline	80
2	Add	Group B	UEGNSG301B Coat gas pipelines	60
2	Add	Group B	UEGNSG302B Maintain pipeline easements	40
2	Add	Group B	UEGNSG602B Load, discharging LPG by road tanker	80
2	Add	Group B	UEGNSG603B Load, unload and exchanging gas cylinders	80
2	Add	Group B	UEGNSG604B Fill gas cylinders	80
2	Add	Group B	UEGNSG605B Refurbish gas cylinders	80
2	Add	Group B	UEGNSG613A Assess the operational capability of gas safety equipment on tankers	40

## **Description**

### **Scope**

This qualification provides competencies to supervise and monitor Gas Supply Industry activities including supervision of installation, diagnostics and maintenance of distribution and transmission gas pipelines and associated equipment.

## **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, defined in the Core Competency Standard Units table below and
- A combination of Elective competency standard units to achieve a total weighting of 1020 points in accordance with the Elective Competency Standard Units table below.

<b>Core Competency Standard Units</b>		<b>Weighting Points</b>
All Core competency standard units to be achieved		
UEGNSG102B	Carry out work activities in a utilities industry work environment	60
UEGNSG104B	Comply with environmental policies and procedures	20
UEGNSG105B	Establish the work site	60
UEGNSG309B	First on site emergency response	40
UEENEEE101A	Apply Occupational Health and Safety regulations, codes and practices in the workplace	20
UEENEEE117A	Implement and monitor energy sector OHS policies and procedures	20
UETTDREL15A	Respond to power systems technical enquiries and requests	40
<b>Total points in core</b>		<b>260</b>

### Elective Competency Standard Units

Complete Elective units to achieve a total of weighting of 1020 points from the following groups:

<b>Group</b>	<b>Minimum points</b>	<b>Maximum points</b>
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<b>A</b>	Imported and Common Elective Units Imported units from other 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 4. If units have not being assigned a weighting by the relevant EE-Oz Industry Technical Advisory Committee, their weighting will be 10 points	0	220
<b>B</b>	Qualification Electives	0	640
<b>C</b>	Qualification Electives You may select all your elective units from this Group	260	1020

<b>Group A – Imported and Common Elective Units</b> Complete units to a maximum weighting of 220 points		<b>Weighting Points</b>
BSBCUS401B	Coordinate implementation of customer service strategies	40
BSBINM401A	Implement workplace information system	40
BSBLED401A	Develop teams and individuals	40
BSBMGT402A	Implement operational plan	40
BSBMGT403A	Implement continuous improvement	40
BSBWOR401A	Establish effective workplace relationships	50
BSBWOR402A	Promote team effectiveness	50
BSBWOR404B	Develop Work Priorities	40
UETTDREL04B	Working safely near live electrical apparatus as non electrical worker	40
UEENEEM020A	Attend to breakdowns in hazardous areas — gas atmospheres	20
UEENEEM076A	Use and maintain the integrity of a portable gas detection device	20
UEENEEM080A	Report on the integrity of explosion-protected equipment in a hazardous area	20
CPCPCM4012A	Estimate and cost work	40

HLTCPR211A	Perform CPR	10
HLTFA311A	Apply First Aid	10
	<p>Imported units from other 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 4. 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>	<b>Up to 220 points</b>

<b>Group B – Qualification Electives</b>		<b>Weighting Points</b>
Complete units to a maximum weighting of 640 points		
UEGNSG107B	Control gas odourisation	110
UEGNSG125A	Carry out transmission pipeline construction work activities	40
UEGNSG215A	Conduct excavations in the gas industry	40
UEGNSG202B	Construct and lay distribution pipelines	80
UEGNSG203B	Commission and decommission gas distribution pipelines	100
UEGNSG205B	Launch and recover PIG in a gas distribution pipeline	100
UEGNSG206B	Perform routine maintenance on distribution pipeline facilities and equipment	110
UEGNSG208B	Gas distribution pipeline surveillance	110
UEGNSG320A	Establish right of way access for transmission pipeline construction	30
UEGNSG329A	Gas transmission pipeline surveillance	110
UEGNSG304B	Commission/decommission gas transmission pipelines	100
UEGNSG306B	Pipeline pigging in gas transmission pipeline	40
UEGNSG307B	Perform routine maintenance on transmission pipeline facilities and equipment	110
UEGNSG328A	Supervise the operation of plant and equipment for the construction of transmission pipelines	60
UEGNSG401B	Maintain cathodic protection systems	110
UEGNSG402B	Install cathodic protection systems	110
UEGNSG606B	Monitor and control the transfer of LPG	100
UEGNSG607B	Process LPG	100
UEGNSG608B	Perform minor maintenance on gas processing/storage facilities and equipment	110
UEGNSG610B	Control storage of LPG in terminal	110

<b>Group B – Qualification Electives</b>		<b>Weighting Points</b>
Complete units to a maximum weighting of 640 points		
UEGNSG703B	Investigate billing exceptions/conditions	110
UEGNSG801B	Monitor and operate flow control, measuring and regulating devices for gas pressure control	110
UEENEEE102A	Fabricate, assemble, and dismantle utilities industry components	40
UEENEEE107A	Use drawings, diagrams, schedules, standards, codes and specifications	40
UEGNSG209B	First on site emergency response on a distribution pipeline	80
UEGNSG301B	Coat gas pipelines	60
UEGNSG302B	Maintain pipeline easements	40
UEGNSG602B	Load, discharging LPG by road tanker	80
UEGNSG603B	Load, unload and exchanging gas cylinders	80
UEGNSG604B Fill gas cylinders	80	
UEGNSG605B	Refurbish gas cylinders	80
UEGNSG613A	Assess the operational capability of gas safety equipment on tankers	40

<b>Group C – Qualification Electives</b>		<b>Weighting Points</b>
Complete units to at least 260 points, with a maximum weighting of 1020 points		
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/transmission	60
UEGNSG111B	Produce maintenance strategies and plans for gas facility	80
UEGNSG112B	Conduct isolation procedures for permit to work system for gas industry work site	80
UEGNSG131A	Compile a gas industry technical report	20
UEGNSG204B	Coordinate 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 staff	60
UEGNSG311B	Site control of third party works in the vicinity of a transmission pipeline	40
UEGNSG312B	First response to a facility event	60
UEGNSG313B	Check and report on station conditions	40
UEGNSG314B	Liaise with third party and the community to maintain pipeline integrity and community safety	40

UEGNSG315B	Aerial transmission pipeline surveillance	40
UEGNSG316B	Site control of excavations in the vicinity of a transmission pipeline	60
UEGNSG317B	Monitor and report on cathodic protection systems	40
UEGNSG318B	Monitor and operate flow control, pressure, measuring and regulating devices for gas transmission	100
UEGNSG319B	Custody transfer metering and gas quality analysis	80
UEGNSG324A	Follow 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
UEGNSG501B	Operate gas infrastructure to meet nominated demand	60
UEGNSG502B	Control centre communication with gas industry stakeholders	60
UEGNSG504B	Monitoring and controlling field activities	60
UEGNSG505B	Use control centre systems to monitor and control gas infrastructure	60
UEGNSG609B	Coordinate repair of faults in gas processing/storage facilities and equipment	110
UEGNSG611B	Control LPG storage/processing operations	110
UEGNSG612B	Supervise technical operations for liquefied petroleum gas storage and processing	120

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.