

UEG Gas Training Package Release 4 - Credit Arrangements

MODIFICATION HISTORY

Release Number	Release Date	Comments
4.0	TBA	This is the fourth release of this Training Package (Release 4.0). Four (4) revised qualifications: • UEG20122 Certificate II in Gas Supply Industry Operations • UEG30122 Certificate III in Gas Supply Industry Operations • UEG40222 Certificate IV in Gas Supply Industry Operations • UEG50122 Diploma of Gas Supply Industry Operations Five (5) SSO updated Skill Sets: • UEGSS00007 Basic Gas Supply Industry Work Activities Skill Set • UEGSS00008 Construct and Lay Steel Gas Distribution Mains Skill Set • UEGSS00013 Basic Hydrogen Safety Skill Set • UEGSS00014 Inject Hydrogen into Distribution Networks Skill Set • UEGSS00015 Monitor Hydrogen using Control Systems Skill Set Fifty-nine (59) revised Units of Competency • UEGNSG002 Apply environmental policies and procedures in the gas supply industry • UEGNSG007 Assess the operational capability of gas safety equipment on a delivery vehicle • UEGNSG008 Assist with the construction and laying of gas distribution mains • UEGNSG009 Assist with the construction, laying and connection of gas distribution services to mains • UEGNSG010 Conduct general excavations • UEGNSG011 Conduct isolations under the permit to work system for gas industry worksites • UEGNSG012 Construct and lay plastic gas distribution mains • UEGNSG013 Construct, lay and connect a gas distribution service to a main • UEGNSG015 Coordinate gas transmission pipeline repairs and modifications • UEGNSG016 Establish right of way access and maintain transmission pipeline easement • UEGNSG017 Fill by weight industrial gas cylinders • UEGNSG018 First on site response to gas pipeline emergencies • UEGNSG019 Inspect, test and maintain gas cylinders

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		• UEGNSG020 Load, unload, exchange and connect industrial gas cylinders • UEGNSG021 Maintain multi-stage, multi-run pressure control devices • UEGNSG022 Maintain single stage, single run pressure control devices • UEGNSG023 Manage a utilities industry health, safety and environmental (HSE) management system • UEGNSG024 Monitor and control the transfer of bulk industrial gas • UEGNSG025 Monitor and operate complex flow control, measuring and regulating devices • UEGNSG026 Perform routine maintenance on distribution pipelines and facilities • UEGNSG027 Perform routine maintenance on transmission pipeline facilities and equipment • UEGNSG028 Perform scheduled maintenance on gas processing or storage facilities and equipment • UEGNSG029 Process, mix and blend industrial gases • UEGNSG030 Store and handle bulk industrial gases • UEGNSG031 Prepare to work in the gas industry • UEGNSG032 Carry out aerial surveillance of gas transmission pipelines • UEGNSG033 Carry out basic work activities in a gas industry work environment • UEGNSG034 Carry out surveillance of gas transmission pipelines • UEGNSG035 Respond to gas infrastructure emergencies • UEGNSG036 Supervise and monitor contract work • UEGNSG037 Supervise technical operations for gas distribution or transmission • UEGNSG038 Supervise the operation of plant and equipment for the construction of gas transmission pipelines • UEGNSG039 Test new residential and small commercial gas installations • UEGNSG040 Use a portable detector to locate a combustible gas escape • UEGNSG041 Apply safe working practices in the gas supply industry • UEGNSG042 Pressure test residential and small commercial gas installations • UEGNSG043 Relight Type A gas appliances

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		• UEGNSG044 Repair and maintain stationary gas fuelled turbine engines • UEGNSG045 Carry out surveillance on gas distribution assets • UEGNSG046 Coat metallic pipelines • UEGNSG047 Compile a gas industry technical report • UEGNSG048 Conduct butt fusion of large diameter polyethylene gas pipeline systems • UEGNSG049 Control excavations in the vicinity of gas transmission pipelines • UEGNSG050 Control field pipeline operations • UEGNSG051 Coordinate repair of pipeline, facilities and equipment • UEGNSG052 Establish a utilities infrastructure worksite • UEGNSG053 Install and commission stationary gas fuelled turbine engines • UEGNSG054 Install cathodic protection systems • UEGNSG055 Launch and recover PIGs in a gas distribution pipeline • UEGNSG056 Launch and recover PIGs in gas transmission pipelines • UEGNSG057 Liaise with third party and the community to maintain pipeline integrity and community safety • UEGNSG058 Locate, prove and protect utility assets • UEGNSG059 Maintain cathodic protection systems • UEGNSG060 Maintain SCADA controlled flow and pressure equipment and electronic gas measurement equipment • UEGNSG061 Monitor and control gas odourisation • UEGNSG062 Monitor and report on cathodic protection systems • UEGNSG063 Operate and maintain gas station water bath heaters • UEGNSG064 Operate and monitor pipeline control systems • UEGNSG065 Install gas flow, measuring and pressure regulating devices One (1) new unit of competency UEGNSG014 Control industrial gas storage/processing operations
3.0	24 November 2021	This is the third release of this Training Package (Release 3.0). Three qualifications have been recoded due to addition of new Units of Competency: • UEG20121 Certificate II in Gas Supply Industry Operations

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		• UEG30121 Certificate III in Gas Supply Industry Operations • UEG40221 Certificate IV in Gas Supply Industry Operations 14 new Units of Competency have been added to the Training Package: • UEGNSG306 Control gas processing, storage or regasification operations in an LNG storage facility • UEGNSG312 Inject gas into underground storage • UEGNSG315 Withdraw gas from underground storage • UEGNSG701 Disconnect and reconnect data logging equipment • UEGNSG703 Fault find and repair data logging equipment • UEGNSG704 Install and commission data logging equipment • UEGNSG707 Process data logging information • UEGNSG715 Use data logging equipment • UEGNSG901 Apply safety practices, procedures, and compliance standards for handling hydrogen gas • UEGNSG902 Commission, operate and maintain electrolyzers • UEGNSG903 Fault find and repair hydrogen storage equipment • UEGNSG904 Inject hydrogen gas into distribution networks • UEGNSG905 Monitor and control hydrogen in gas distribution networks • UEGNSG906 Undertake routine hydrogen storage operations Three new skillsets have been added to the Training Package: • UEGSS00013 Basic Hydrogen Safety Skill Set • UEGSS00014 Inject Hydrogen into Distribution Networks Skill Set • UEGSS00015 Monitor Hydrogen using Control Systems Skill Set 21 existing Units of Competency have been updated: • UEGNSG102 Prepare safe design specifications of a gas system • UEGNSG103 Install and commission stationary gas fuelled turbine engines • UEGNSG205 Commission or decommission gas distribution pipelines • UEGNSG206 Construct and lay copper and stainless steel gas distribution pipelines • UEGNSG208 Construct and lay large copper gas distribution pipelines

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		• UEGNSG209 Construct and lay polyethylene gas distribution mains • UEGNSG211 Construct and lay steel gas distribution pipelines • UEGNSG214 Coordinate and conduct gas distribution pipeline repair and modifications • UEGNSG215 Coordinate construction, laying and testing of gas distribution pipelines • UEGNSG230 First on site response to gas pipeline emergencies • UEGNSG303 Carry out transmission pipeline construction work activities • UEGNSG304 Commission or decommission gas transmission pipelines • UEGNSG307 Coordinate the operation of relevant plant and equipment for transmission pipeline construction • UEGNSG309 Coordinate transmission pipeline construction operations • UEGNSG313 Monitor and operate flow control, pressure measuring and regulating devices for gas transmission • UEGNSG316 Work in proximity of transmission pipeline construction plant and equipment • UEGNSG317 First response to a gas facility event • UEGNSG509 Remotely monitor and operate gas transmission flow and pressure measuring and regulating devices • UEGNSG702 Disconnect and reconnect small capacity gas meters • UEGNSG709 Process meter reading information using appropriate technology • UEGNSG710 Read and record meter readings These products received minor changes due to update of superseded Units of Competency: • UEG40120 Certificate IV in Gas Control Operations • UEG50120 Diploma of Gas Supply Industry Operations • UEGSS00008 Construct and Lay Steel Gas Distribution Mains Skill Set • UEGSS00010 Construct and Lay Polyethylene Gas Distribution Mains Skill Set
2.1	21 April 2021	This release incorporates the deletion of one qualification and 17 Units of Competency from the Training Package.

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Release Number	Release Date	Comments
		Qualification: • UEG60120 Advanced Diploma of Gas Supply Industry Operations Units of Competency: • UEGNSG111 Produce maintenance strategies and plans for a gas facility • UEGNSG114 Coordinate and monitor implementation of a risk management plan for a utilities industry facility • UEGNSG115 Manage gas systems projects • UEGNSG116 Manage gas industry physical resources • UEGNSG117 Plan and implement the data acquisition and metering requirements of a gas system • UEGNSG118 Select and commission equipment to meet pressure and temperature control specifications • UEGNSG119 Manage workplace risk in a gas industry facility • UEGNSG122 Manage a customer service gas business unit • UEGNSG123 Manage financial resources in a gas industry facility • UEGNSG308 Identify, evaluate and control threats to transmission pipelines • UEGNSG311 Site control of third party works in the vicinity of a transmission pipeline • UEGNSG319 Custody transfer metering and gas quality analysis • UEGNSG324 Follow company procedures to deal with incidents related to the abuse of drugs and alcohol • UEGNSG332 Undertake hydro-testing for transmission pipeline construction • UEGNSG508 Remotely check and report on gas station conditions The above Units of Competency have been removed from these qualifications: • UEG20120 Certificate II in Gas Supply Industry Operations • UEG30120 Certificate III in Gas Supply Industry Operations • UEG40120 Certificate IV in Gas Control Operations • UEG40220 Certificate IV in Gas Supply Industry Operations • UEG50120 Diploma of Gas Supply Industry Operations These existing Units of Competency are added to UEG50120 Diploma of Gas Supply Industry Operations as electives in Group E: • UEGNSG121 Prepare safe design specifications of a gas system

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		UEGNSG202 Conduct emergency site control on gas distribution assets UEGNSG301 Conduct emergency site control on gas transmission assets
2.0	25 January 2021	This is the second release of this Training Package (Release 2.0). One new qualification has been added to the Training Package: UEG40120 Certificate IV in Gas Control Operations Superseded imported units have been updated in all qualifications, which resulted in re-coding of all qualifications in UEG Training Package Release 1.0. Six new Units of Competency have been added to the Training Package: - UEGNSG101 Undertake gas leak surveys - UEGNSG201 Conduct distribution pipeline emergency repair - UEGNSG202 Conduct emergency site control on gas distribution assets - UEGNSG203 Evaluate and extinguish gas fire - UEGNSG301 Conduct emergency site control on gas transmission assets - UEGNSG302 Conduct transmission pipeline emergency repair Five Units of Competency from UEG Training Package Release 1.0 have been updated, the new units supersede and are all equivalent to the previous versions: - UEGNSG501 Communicate with gas industry stakeholders to meet operational requirements - UEGNSG502 Implement emergency and critical incident response for gas infrastructure incidents - UEGNSG503 Monitor and control field activities - UEGNSG504 Monitor and control gas infrastructure using Control Centre systems - UEGNSG505 Operate and monitor gas infrastructure to meet nominated demand These Units of Competency received minor changes: - UEGNSG142 - Conduct isolations under the permit to work system for gas industry work sites - UEGNSG221 - First on site response to gas pipeline emergencies

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1.0	5 September 2018	This is the first release of this Training Package (Release 1.0).

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CREDIT ARRANGEMENTS FOR TLI TRANSPORT AND LOGISTICS TRAINING PACKAGE Specifies existing credit arrangements between Training Package qualifications and Higher Education qualifications in accordance with the AQF.		
QUALIFICATION CODE	QUALIFICATION TITLE	CREDIT ARRANGEMENT DETAILS
UEG20122	Certificate II in Gas Supply Industry Operations	At the time of endorsement of this Training Package no national credit arrangements exist.
UEG30122	Certificate III in Gas Supply Industry Operations	
UEG40222	Certificate IV in Gas Supply Industry Operations	
UEG50122	Diploma of Gas Supply Industry Operations	Universities have recognition of prior learning pathways available into undergraduate programs. Graduates who have completed a designated AQF5 or above TLI Transport and Logistics Training Package qualification for which an articulation agreement exists between the registered training organisation and the university can be granted an agreed amount of credit upon application.
LINKS	Companion Volume Implementation Guides are found in VETNet	