

Victorian Purchasing Guide

UEG Gas Industry Training Package

Release 3.0

December 2021



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Victorian Purchasing Guide - Release History

Note: RTOs should refer to the [National Register](#) for the detail of changes in each Release.

Training Package Release	Date VPG Approved	Comments
Release 3.0	21 December 2021	<p>This Victorian Purchasing Guide reflects the release of the UEG Gas Training Package (Release 3.0).</p> <p>This includes:</p> <ul style="list-style-type: none"> • Three (3) added qualifications and three (3) removed qualifications • Two (2) updated qualifications • Thirty-five (35) added units of competency • Twenty-one (21) removed units of competency • Fourteen (14) new units of competency
Release 2.1	August 2021	<p>This Victorian Purchasing Guide reflects the release of the UEG Gas Training Package (Release 2.1), incorporating Release 2.0 of this Training Package.</p> <p>This includes:</p> <ul style="list-style-type: none"> • One (1) new qualification (Release 2.0) • Six (6) new units of competency (Release 2.0) • Seven (7) revised units of competency (Release 2.0) • Five (5) revised qualifications with the removal of deleted units of competency (Release 2.1) • One (1) deleted qualification with zero enrolments (Release 2.1) <p>Seventeen (17) deleted units of competency with zero enrolments (Release 2.1)</p>
Release 1.0	October 2018	<p>This Victorian Purchasing Guide reflects the initial release of the UEG Gas Training Package (Release 1.0).</p> <p>This includes:</p> <ul style="list-style-type: none"> • Transitioning to the 2012 Standard for Training Packages • One new unit of competency: <p>UEGNSG200 Conduct butt fusion of large diameter polyethylene gas pipeline systems</p>

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Introduction

What is a Victorian Purchasing Guide?

The Victorian Purchasing Guide provides information for use by Registered Training Organisations (RTOs) in the provision of Victorian government subsidised training.

Specifically, the Victorian Purchasing Guide provides the following information related to the delivery of nationally endorsed Training Packages in Victoria:

- The maximum and minimum payable hours available for each qualification.
- Nominal hours for each unit of competency within the Training Package.

Registration

RTOs must be registered by either the Victorian Registration and Qualifications Authority (VRQA) or the Australian Skills Qualification Authority (ASQA) regulatory body to be eligible to issue qualifications and Statements of Attainment under the Australian Qualifications Framework (AQF).

The VRQA is the regulatory authority in Victoria responsible for the registration of Vocational Education and Training (VET) providers who offer courses to domestic students in Victoria only.

ASQA is the regulatory authority responsible for the registration of VET providers who offer training in Victoria, nationally and / or internationally.

Transition

The relationship between new units and any superseded or replaced units from the previous version of UEG Gas Industry Training Package Release 3.0 is provided in the Training Package Companion Volume Implementation Guide. (See VETnet.gov.au for more information).

Information regarding transition arrangements can be obtained from the state or national VET Regulatory Authority (see Contacts and Links section).

RTOs must ensure that all training and assessment leading to issuance of qualifications or Statements of Attainment from the UEG Gas Industry Package Release 3.0 is conducted against the Training Package units of competency and complies with the assessment requirements.

Qualifications

Code	Title	Minimum Payable Hours	Maximum Payable Hours
UEG20121	Certificate II in Gas Supply Industry Operations	365	380
UEG30121	Certificate III in Gas Supply Industry Operations	925	975
UEG40120	Certificate IV in Gas Control Operations	1100	1160
UEG40221	Certificate IV in Gas Supply Industry Operations	1185	1265
UEG50120	Diploma of Gas Supply Industry Operations	1635	1720

Units of Competency and Nominal Hours

Unit Code	Unit Title	Nominal Hours
UEGNSG004	Locate, prove and protect utility assets	60
UEGNSG005	Prepare to work in the gas industry	20
UEGNSG006	Use a portable gas detector to locate escape	40
UEGNSG101	Undertake gas leak surveys	60
UEGNSG102	Prepare safe design specifications of a gas system	120
UEGNSG103	Install and commission stationary gas fuelled turbine engines	60
UEGNSG106	Coordinate repair of pipeline, facilities and equipment	120
UEGNSG108	Operate and monitor pipeline control systems	60
UEGNSG109	Control field pipeline operations	60
UEGNSG110	Supervise technical operations for gas distribution or transmission	100
UEGNSG113	Manage a utilities industry WHS management system	80
UEGNSG120	Manage gas system environmental compliance	60
UEGNSG131	Compile a gas industry technical report	20
UEGNSG132	Carry out basic work activities in a gas industry work environment	60
UEGNSG133	Comply with environmental policies and procedures in the utilities industry	60
UEGNSG134	Establish a utilities infrastructure work site	60
UEGNSG135	Monitor and control gas odourisation	80
UEGNSG137	Operate and maintain gas station water bath heaters	60
UEGNSG139	Repair and maintain stationary gas fuelled turbine engines	60
UEGNSG140	Apply environmental policies and procedures in the utilities industry	20

Unit Code	Unit Title	Nominal Hours
UEGNSG141	Apply workplace health and safety regulations, codes and practices in the gas supply industry	20
UEGNSG142	Conduct isolations under the permit to work system for gas industry work sites	80
UEGNSG200	Conduct butt fusion of large diameter polyethylene gas pipeline systems	20
UEGNSG201	Conduct distribution pipeline emergency repair	80
UEGNSG202	Conduct emergency site control on gas distribution assets	80
UEGNSG203	Evaluate and extinguish gas fire	20
UEGNSG205	Commission or decommission gas distribution pipelines	100
UEGNSG206	Construct and lay copper and stainless-steel gas distribution pipelines	60
UEGNSG208	Construct and lay large copper gas distribution pipelines	60
UEGNSG209	Construct and lay polyethylene gas distribution mains	60
UEGNSG210	Supervise and monitor contract staff for work on distribution pipelines	100
UEGNSG211	Construct and lay steel gas distribution pipelines	60
UEGNSG212	Construct, lay and connect a gas distribution service to a plastic main	40
UEGNSG213	Construct, lay and connect a gas distribution service to a steel main	40
UEGNSG214	Coordinate and conduct gas distribution pipeline repair and modifications	80
UEGNSG215	Coordinate construction, laying and testing of gas distribution pipelines	100
UEGNSG217	Launch and recover PIGs in a gas distribution pipeline	80
UEGNSG218	Carry out surveillance on gas distribution assets	100
UEGNSG219	Conduct excavations in the utilities industry	40
UEGNSG222	Construct and lay nylon or PVC gas distribution mains	60

Unit Code	Unit Title	Nominal Hours
UEGNSG225	Perform routine maintenance on distribution pipeline facilities and equipment	100
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
UEGNSG229	Prepare simple drawings of as laid gas mains and services	40
UEGNSG230	First on-site response to gas pipeline emergencies	80
UEGNSG301	Conduct emergency site control on gas transmission assets	80
UEGNSG302	Conduct transmission pipeline emergency repair	80
UEGNSG303	Carry out transmission pipeline construction work activities	60
UEGNSG304	Commission or decommission gas transmission pipelines	120
UEGNSG305	Coordinate gas transmission pipeline repair and modifications	80
UEGNSG306	Control gas processing, storage or regasification operations in an LNG storage facility	100
UEGNSG307	Coordinate the operation of relevant plant and equipment for transmission pipeline construction	60
UEGNSG309	Coordinate transmission pipeline construction operations	60
UEGNSG310	Supervise and monitor contract work	60
UEGNSG312	Inject gas into underground storage	60
UEGNSG313	Monitor and operate flow control, pressure measuring and regulating devices for gas transmission	100
UEGNSG314	Liaise with third party and the community to maintain pipeline integrity and community safety	40
UEGNSG315	Withdraw gas from underground storage	60
UEGNSG316	Work in proximity of transmission pipeline construction plant and equipment	30
UEGNSG317	First response to a gas facility event	60

Unit Code	Unit Title	Nominal Hours
UEGNSG326	Coordinate and monitor staff and contractors	60
UEGNSG330	Coat metallic pipelines	100
UEGNSG331	Establish right of way access for transmission pipeline construction	30
UEGNSG342	Maintain pipeline easements	45
UEGNSG346	Launch and recover PIGs in gas transmission pipelines	40
UEGNSG347	Perform routine maintenance on transmission pipeline facilities and equipment	100
UEGNSG348	Supervise the operation of plant and equipment for the construction of gas transmission pipelines	60
UEGNSG349	Carry out surveillance of gas transmission pipelines	100
UEGNSG352	Check and report on gas station conditions	40
UEGNSG353	Carry out aerial surveillance of gas transmission pipelines	40
UEGNSG354	Control excavations in the vicinity of gas transmission pipelines	60
UEGNSG355	Monitor and report on cathodic protection systems	40
UEGNSG411	Maintain cathodic protection systems	80
UEGNSG412	Install cathodic protection systems	100
UEGNSG501	Communicate with gas industry stakeholders to meet operational requirements	80
UEGNSG502	Implement emergency and critical incident response for gas infrastructure incidents	80
UEGNSG503	Monitor and control field activities	80
UEGNSG504	Monitor and control gas infrastructure using Control Centre systems	80
UEGNSG505	Operate and monitor gas infrastructure to meet nominated demand	80
UEGNSG506	Respond to gas infrastructure emergencies	80

Unit Code	Unit Title	Nominal Hours
UEGNSG509	Remotely monitor and operate gas transmission flow and pressure measuring and regulating devices	90
UEGNSG614	Load, unload, exchange and connect LPG cylinders	45
UEGNSG615	Fill LPG cylinders	45
UEGNSG616	Refurbish gas cylinders	45
UEGNSG617	Monitor and control the transfer of bulk LPG	100
UEGNSG618	Process liquefied petroleum gas (LPG)	100
UEGNSG619	Perform scheduled maintenance on gas processing or storage facilities and equipment	100
UEGNSG620	Organise the repair of faults in LPG processing or storage facilities and equipment	100
UEGNSG621	Control bulk storage of LPG	100
UEGNSG622	Assess the operational capability of gas safety equipment on a delivery vehicle	40
UEGNSG701	Disconnect and reconnect data logging equipment	30
UEGNSG702	Disconnect and reconnect small capacity gas meters	40
UEGNSG703	Fault find and repair data logging equipment	60
UEGNSG704	Install and commission data logging equipment	50
UEGNSG706	Test new residential and small commercial gas installations	60
UEGNSG707	Process data logging information	40
UEGNSG708	Pressure test residential and small commercial gas installations	40
UEGNSG709	Process meter reading information using appropriate technology	45
UEGNSG710	Read and record meter readings	45
UEGNSG713	Investigate billing exceptions-conditions	60
UEGNSG714	Relight Type A gas appliances	40

Unit Code	Unit Title	Nominal Hours
UEGNSG715	Use data logging equipment	30
UEGNSG804	Maintain single stage and single run gas flow and pressure control and measuring devices	80
UEGNSG805	Maintain multi-stage and multi-run and pressure measuring and regulating devices	80
UEGNSG806	Maintain SCADA controlled flow and pressure equipment and electronic gas measurement equipment	100
UEGNSG807	Install gas flow, measuring and pressure regulating devices	80
UEGNSG811	Monitor and operate complex flow control, measuring and regulating devices for gas distribution	100
UEGNSG901	Apply safety practices, procedures, and compliance standards for handling hydrogen gas	40
UEGNSG902	Commission, operate and maintain electrolysers	80
UEGNSG903	Fault find and repair hydrogen storage equipment	80
UEGNSG904	Inject hydrogen gas into distribution networks	60
UEGNSG905	Monitor and control hydrogen in gas distribution networks	40
UEGNSG906	Undertake routine hydrogen storage operations	60

Contacts and Links

Curriculum Maintenance Manager (CMM)		
Engineering Industries	<p>The CMM Service is provided on behalf of Higher Education and Skills.</p> <p>CMM Service Executive Officers can assist with questions on payable and nominal hours.</p>	<p>George Adda Supervising Executive Officer Private Bag 2014, Box Hill, Victoria 3128 Phone: +61 3 9286 9880 g.adda@boxhill.edu.au</p> <p>Alternative Contact: Steve Bryant Phone: +61 479 184 251 steven.bryant@boxhill.edu.au</p>
Service Skills Organisation (SSO)		
Australian Industry Standards	<p>This SSO is responsible for developing the UEG Gas Industry Training Package and can be contacted for further information.</p>	<p>(03) 9604 7200 More information and contact can be made at www.australianindustrystandards.org.au.</p>
National Register for VET in Australia		
Training.gov.au (TGA)	<p>TGA is the Australian government's official National Register of information on Training Packages, qualifications, courses, units of competency and RTOs.</p>	<p>See training.gov.au for more information.</p>
Australian Government		
Department of Education, Skills and Employment	<p>The Commonwealth Department is responsible for national policies and programmes that help Australians access quality vocational education and training.</p>	<p>See dese.gov.au for more information.</p>
State Government		
Department of Education and Training (DET)	<p>DET is the State Training Authority responsible for supporting implementation of Vocational Education and Training (VET) in Victoria.</p>	<p>(03) 9637 2000 See education.vic.gov.au for more information.</p>

National VET Regulatory Authority		
Australian Skills Quality Authority (ASQA)	ASQA is the national regulator for Australia's VET sector.	Info line: 1300 701 801 See asqa.gov.au for more information.
Victorian State VET Regulatory Authority		
Victorian Registration and Qualifications Authority (VRQA)	The VRQA is a statutory authority responsible for the registration and regulation of Victorian RTOs and for the regulation of apprenticeships and traineeships in Victoria.	(03) 9637 2806 See vrqa.vic.gov.au
Industry Regulatory Bodies		
Energy Safe Victoria (ESV)	Energy Safe Victoria (ESV) The industry Regulatory body can provide advice on licensing, legislative or regulatory requirements that may impact on the delivery of training or the issuance of qualifications in this Training Package.	(03) 9203 9700 info@esv.vic.gov.au More information is available from esv.vic.gov.au .
WorkSafe Victoria	WorkSafe need to provide written verification before high-risk work units can be added to an RTO's scope of registration.	222 Exhibition Street, Melbourne 3000 (03) 9641 1444 or 1800 136 089 (toll free) info@worksafe.vic.gov.au See worksafe.vic.gov.au for further information.

Glossary

Code	Nationally endorsed Training Package qualification code.
Title	Nationally endorsed Training Package qualification title.
Unit Code	Nationally endorsed Training Package unit code.
Unit Title	Nationally endorsed Training Package unit title.
Maximum Payable Hours	<p>The maximum number of hours the Victorian Government will subsidise under Skills First funding for the achievement of the minimum realistic vocational outcome of the qualification, as determined by the qualification packaging rules. The Maximum Payable Hours do not cover every possible combination of core and elective units available for a specific qualification.</p> <p>Minimum payable hours reflect a calculated minimum number of hours that could deliver a minimum realistic vocational outcome, based on efficiencies of contextualisation and integration.</p>
Scope of Registration	Scope of registration specifies the AQF qualifications and/or units of competency the training organisation is registered to issue and the industry training and/or assessment services it is registered to provide.
Nominal Hours	Nominal hours reflect the anticipated time taken to deliver and assess the outcomes of a unit of competency excluding unsupervised delivery or the time taken for repeated practical application of skills. Nominal hours are determined by the Victorian State Training Authority (DET) and are primarily developed for funding purposes in Victoria.