

VICTORIAN PURCHASING GUIDE

UEG GAS INDUSTRY
TRAINING PACKAGE RELEASE 4.0

FEBRUARY 2023



Jobs, Skills,
Industry
and Regions

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Department of Jobs, Skills, Industry and Regions 2023



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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 4.0	10 February 2023	<p>This release of the UEG Gas Industry Training Package includes the following:</p> <ul style="list-style-type: none"> • Four (4) qualifications added and five (5) qualifications removed; • Sixty (60) Units of Competency (UoCs) added, including one new UoC; • Sixty-five (65) UoCs removed; and three (3) UoCs deleted. <p>The Maximum Payable Hours for the four qualifications were reviewed in accordance with the qualification packaging rules.</p>
Release 3.0	21 December 2021	<p>This Victorian Purchasing Guide reflects the release of the UEG Gas Training Package (Release 3.0). 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. 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) • Seventeen (17) deleted units of competency with zero enrolments (Release 2.1)
Release 1.0	October 2018	<p>This Victorian Purchasing Guide reflects the initial release of the UEG Gas Training Package (Release 1.0). This includes:</p> <ul style="list-style-type: none"> • Transitioning to the 2012 Standard for Training Packages • One new unit of competency (UEGNSG200 Conduct butt fusion of large diameter polyethylene gas pipeline systems)



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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 4.0 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 Training Package Release 4.0 is conducted against the Training Package units of competency and complies with the assessment requirements.

QUALIFICATIONS

Code	Title	Minimum Payable Hours	Maximum Payable Hours
UEG20122	Certificate II in Gas Supply Industry Operations	608	640
UEG30122	Certificate III in Gas Supply Industry Operations	1226	1290
UEG40222	Certificate IV in Gas Supply Industry Operations	1406	1480
UEG50122	Diploma of Gas Supply Industry Operations	931	980

UNITS OF COMPETENCY AND NOMINAL HOURS

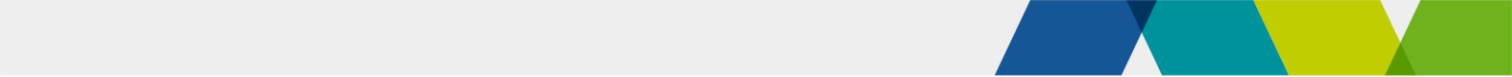
Unit Code	Unit Title	Nominal Hours
UEGNSG002	Apply environmental policies and procedures in the gas supply industry	20
UEGNSG007	Assess the operational capability of gas safety equipment on a delivery vehicle	40
UEGNSG008	Assist with the construction and laying of gas distribution mains	40
UEGNSG009	Assist with the construction, laying and connection of gas distribution services to mains	40
UEGNSG010	Conduct general excavations	40
UEGNSG011	Conduct isolations under the permit to work system for gas industry worksites	80
UEGNSG012	Construct and lay plastic gas distribution mains	70
UEGNSG013	Construct, lay and connect a gas distribution service to a main	40
UEGNSG014	Control industrial gas storage/processing operations	100
UEGNSG015	Coordinate gas transmission pipeline repairs and modifications	80
UEGNSG016	Establish right of way access and maintain transmission pipeline easement	45
UEGNSG017	Fill by weight industrial gas cylinders	45
UEGNSG018	First on site response to gas pipeline emergencies	80
UEGNSG019	Inspect, test and maintain gas cylinders	45
UEGNSG020	Load, unload, exchange and connect industrial gas cylinders	45
UEGNSG021	Maintain multi-stage, multi-run pressure control devices	80
UEGNSG022	Maintain single stage, single run pressure control devices	80
UEGNSG023	Manage a utilities industry health, safety and environmental (HSE) management system	80
UEGNSG024	Monitor and control the transfer of bulk industrial gas	100
UEGNSG025	Monitor and operate complex flow control, measuring and regulating devices	100

Unit Code	Unit Title	Nominal Hours
UEGNSG026	Perform routine maintenance on distribution pipelines and facilities	100
UEGNSG027	Perform routine maintenance on transmission pipeline facilities and equipment	100
UEGNSG028	Perform scheduled maintenance on gas processing or storage facilities and equipment	100
UEGNSG029	Process, mix and blend industrial gases	90
UEGNSG030	Store and handle bulk industrial gases	100
UEGNSG031	Prepare to work in the gas industry	20
UEGNSG032	Carry out aerial surveillance of gas transmission pipelines	40
UEGNSG033	Carry out basic work activities in a gas industry work environment	60
UEGNSG034	Carry out surveillance of gas transmission pipelines	100
UEGNSG035	Respond to gas infrastructure emergencies	80
UEGNSG036	Supervise and monitor contract work	100
UEGNSG037	Supervise technical operations for gas distribution or transmission	100
UEGNSG038	Supervise the operation of plant and equipment for the construction of gas transmission pipelines	60
UEGNSG039	Test new residential and small commercial gas installations	60
UEGNSG040	Use a portable detector to locate a combustible gas escape	40
UEGNSG041	Apply safe working practices in the gas supply industry	20
UEGNSG042	Pressure test residential and small commercial gas installations	40
UEGNSG043	Relight Type A gas appliances	40
UEGNSG044	Repair and maintain stationary gas fuelled turbine engines	60
UEGNSG045	Carry out surveillance on gas distribution assets	100
UEGNSG046	Coat metallic pipelines	100

Unit Code	Unit Title	Nominal Hours
UEGNSG047	Compile a gas industry technical report	20
UEGNSG048	Conduct butt fusion of large diameter polyethylene gas pipeline systems	20
UEGNSG049	Control excavations in the vicinity of gas transmission pipelines	60
UEGNSG050	Control field pipeline operations	60
UEGNSG051	Coordinate repair of pipeline, facilities and equipment	120
UEGNSG052	Establish a utilities infrastructure worksite	60
UEGNSG053	Install and commission stationary gas fuelled turbine engines	60
UEGNSG054	Install cathodic protection systems	100
UEGNSG055	Launch and recover PIGs in a gas distribution pipeline	80
UEGNSG056	Launch and recover PIGs in gas transmission pipelines	40
UEGNSG057	Liaise with third party and the community to maintain pipeline integrity and community safety	40
UEGNSG058	Locate, prove and protect utility assets	60
UEGNSG059	Maintain cathodic protection systems	80
UEGNSG060	Maintain SCADA controlled flow and pressure equipment and electronic gas measurement equipment	100
UEGNSG061	Monitor and control gas odourisation	80
UEGNSG062	Monitor and report on cathodic protection systems	40
UEGNSG063	Operate and maintain gas station water bath heaters	60
UEGNSG064	Operate and monitor pipeline control systems	60
UEGNSG065	Install gas flow, measuring and pressure regulating devices	80
UEGNSG101	Undertake gas leak surveys	60
UEGNSG102	Prepare safe design specifications of a gas system	120

Unit Code	Unit Title	Nominal Hours
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
UEGNSG211	Construct and lay steel gas distribution pipelines	60
UEGNSG214	Coordinate and conduct gas distribution pipeline repair and modifications	80
UEGNSG215	Coordinate construction, laying and testing of gas distribution pipelines	100
UEGNSG229	Prepare simple drawings of as laid gas mains and services	40
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
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
UEGNSG312	Inject gas into underground storage	60
UEGNSG313	Monitor and operate flow control, pressure measuring and regulating devices for gas transmission	100
UEGNSG315	Withdraw gas from underground storage	60
UEGNSG316	Work in proximity of transmission pipeline construction plant and equipment	30

Unit Code	Unit Title	Nominal Hours
UEGNSG317	First response to a gas facility event	60
UEGNSG326	Coordinate and monitor staff and contractors	60
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
UEGNSG509	Remotely monitor and operate gas transmission flow and pressure measuring and regulating devices	90
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
UEGNSG707	Process data logging information	40
UEGNSG709	Process meter reading information using appropriate technology	45
UEGNSG710	Read and record meter readings	45
UEGNSG715	Use data logging equipment	30
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



Unit Code	Unit Title	Nominal Hours
UEGNSG906	Undertake routine hydrogen storage operations	60

CONTACTS AND LINKS

Curriculum Maintenance Manager (CMM) Service

Engineering Industries

The CMM Service is provided on behalf of Higher Education and Skills.

CMM Service Executive Officers can assist with questions on payable and nominal hours.

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Jobs and Skills Council (JSC) –

As part of the National Industry Engagement Reforms, new Jobs and Skills Councils (JSCs) are being established. At the time of publication, the entity and contact details for the JSC have not yet been announced. For more information see [Industry Engagement Reforms - Department of Employment and Workplace Relations, Australian Government \(dewr.gov.au\)](#)

National Register of VET in Australia - Training.gov.au (TGA)

TGA is the Australian government's official National Register of information on Training Packages, qualifications, courses, units of competency and RTOs. See training.gov.au for more information.

Australian Government - Department of Employment and Workplace Relations (DEWR)

The Commonwealth Department is responsible for national policies and programmes that help Australians access quality vocational education and training. See [Skills and Training - DEWR](#) for more information.

State Government - Department of Jobs, Skills, Industry and Regions (DJSIR)

DJSIR is the State Training Authority responsible for supporting implementation of Vocational Education and Training (VET) in Victoria. See djsir.vic.gov.au for more information. (03) 9637 2000

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.

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

WorkSafe Victoria

The industry Regulatory body can provide advice on licensing, legislative or regulatory requirements which may impact on the delivery of training or the issuance of qualifications in this Training Package. WorkSafe needs to provide written verification before high risk work units can be added to an RTO's scope of registration. info@worksafe.vic.gov.au See worksafe.vic.gov.au for further information.

222 Exhibition Street,
Melbourne 3000
(03) 9641 1444 or
1800 136 089 (toll free)

Energy Safe Victoria

The industry Regulatory body can provide advice on licensing, legislative or regulatory requirements which may impact on the delivery of training or the issuance of qualifications in this Training Package. See <https://esv.vic.gov.au> for further information

(03) 9203 9700 or
1800 800 158 (toll free)
General queries: info@energysafe.vic.gov.au

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 (DJSIR) and are primarily developed for funding purposes in Victoria.