VICTORIAN PURCHASING GUIDE

UEG GAS INDUSTRY
TRAINING PACKAGE RELEASE 4.0

FEBRUARY 2023

© Copyright State of Victoria

Department of Jobs, Skills, Industry and Regions 2023



Victorian Purchasing Guides are provided under a Creative Commons Attribution-No Derivatives 4.0 International licence. You are free to re-use the work under that licence, on the condition that you credit the State of Victoria (Department of Jobs, Skills, Industry and Regions), provide a link to the licence, indicate if changes were made, and comply with all other licence terms. You must not distribute modified material. See: [Creative Commons Attribution NoDerivatives 4.0 International](https://creativecommons.org/licenses/by-nd/4.0/)

The licence does not apply to:

* any images, photographs, trademarks or branding, including the Victorian Government logo and the DJSIR logo; and
* content supplied by third parties.

Copyright queries may be directed to copyright@education.vic.gov.au

**Disclaimer**

In compiling the information contained in and accessed through this resource, the Department of Jobs, Skills, Industry and Regions (DJSIR), has used its best endeavours to ensure that the information is correct and current at the time of publication but takes no responsibility for any error, omission, or defect therein.

To the extent permitted by law, DJSIR, its employees, agents and consultants exclude all liability for any loss or damage (including indirect, special or consequential loss or damage) arising from the use of, or reliance on the information contained herein, whether caused or not by any negligent act or omission. If any law prohibits the exclusion of such liability, DJSIR limits its liability to the extent permitted by law, for the resupply of the information.

**Third party sites**

This resource may contain links to third party websites and resources. DJSIR is not responsible for the condition or content of these sites or resources as they are not under its control.

Third party material linked from this resource is subject to the copyright conditions of the third party. Users will need to consult the copyright notice of the third-party sites for conditions of usage.

VICTORIAN PURCHASING GUIDE – RELEASE HISTORY

Note: RTOs should refer to the [National Register](https://training.gov.au/Home/Tga) for the detail of changes in each Release.

| Training Package Release | Date VPG Approved | Comments |
| --- | --- | --- |
| Release 4.0 | 10 February 2023 | This release of the UEG Gas Industry Training Package includes the following:* 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.

The Maximum Payable Hours for the four qualifications were reviewed in accordance with the qualification packaging rules.  |
| Release 3.0  | 21 December2021 | This Victorian Purchasing Guide reflects the release of the UEG GasTraining Package (Release 3.0). This includes:* 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 | This Victorian Purchasing Guide reflects the release of the UEG GasTraining Package (Release 2.1), incorporating Release 2.0 of this Training Package. This includes:* 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 | This Victorian Purchasing Guide reflects the initial release of the UEG Gas Training Package (Release 1.0). This includes:* Transitioning to the 2012 Standard for Training Packages
* One new unit of competency (UEGNSG200 Conduct butt fusion of large diameter polyethylene gas pipeline systems)
 |

TABLE OF CONTENTS

[INTRODUCTION 1](#_Toc125729226)

[What is a Victorian Purchasing Guide? 1](#_Toc125729227)

[Registration 1](#_Toc125729228)

[Transition 1](#_Toc125729229)

[QUALIFICATIONS 2](#_Toc125729230)

[UNITS OF COMPETENCY AND NOMINAL HOURS 3](#_Toc125729231)

[CONTACTS AND LINKS 9](#_Toc125729232)

[INDUSTRY AND REGULATORY BODIES 10](#_Toc125729233)

[GLOSSARY 11](#_Toc125729234)

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](https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=9fc2cf53-e570-4e9f-ad6a-b228ffdb6875) 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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.

Steve Bryant

Box Hill Institute

Private Bag 2014, Box Hill, Victoria, 3128

+61 3 9286 9934

+61 479 184 251

steven.bryant@boxhill.edu.au

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)](https://www.dewr.gov.au/skills-reform/skills-reform-overview/industry-engagement-reforms)

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](http://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](https://www.dese.gov.au/skills-and-training) 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](https://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](http://www.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](http://www.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](http://www.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** 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.

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.

**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.