

Gazetted units of Competency

Refrigerated air-conditioning

October 2023

Acknowledgment

The VBA respectfully acknowledges the Traditional Owners and custodians of the land and water upon which we rely. We pay our respects to their Elders past and present. We recognise and value the ongoing contribution of Aboriginal people and communities to Victorian life.

We embrace the spirit of reconciliation, working towards equality of outcomes and an equal voice.



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Overview

About

This document outlines the prescribed units for registration and licensing in the following class of plumbing:

- Refrigerated Air Conditioning

These units are also published in the Victorian Gazette and commonly referred to as 'Gazetted units'.

Qualifications

Note to Registered Training Organisations (RTOs)

The units prescribed by the VBA do not outline a full training plan to issue a qualification. RTOs must still meet the training package unit selection requirements when delivering a full qualification.

Gazetted units are selected from the following qualifications:

Registration	<p>UEE32220 Certificate III in Air Conditioning and Refrigeration</p> <ul style="list-style-type: none"> • Both core and elective units from this qualification are gazetted for this class • Unit points and unit grouping have been included for quick reference • The gazetted units do not constitute a training plan for the full qualification • RTOs delivering the full qualification will need to ensure that the training plan meets the packaging rules for this course as set out in the <i>UEE Electrotechnology Training Package</i>.
Licensing	<p>Common licensing units CPC40920 Certificate IV in Plumbing and Services</p> <p>Class specific licencing units The class specific units are available for selection from each of the following qualifications:</p> <ul style="list-style-type: none"> • UEE32220 Certificate III in Air Conditioning and Refrigeration • UEE42720 Certificate IV in Air Conditioning and Refrigeration Servicing • UEE42920 Certificate IV in Refrigeration and Air Conditioning Systems



Gazetted units: registration

Both core and elective units are gazetted for this class.

Core units

Unit code	Unit name	Points
UEECD0007	Apply work health and safety regulations, codes and practices in the workplace	20
UEECD0016	Document and apply measures to control WHS risks associated with electrotechnology work	20
UEECD0019	Fabricate, assemble and dismantle utilities industry components	40
UEECD0020	Fix and secure electrotechnology equipment	20
UEECD0042	Solve problems in ELV single path circuits	40
UEECD0051	Use drawings, diagrams, schedules, standards, codes and specifications	40
UEECO0010	Participate in refrigeration and air conditioning work and competency development activities	60
UEERA0031	Diagnose and rectify faults in air conditioning and refrigeration control systems	60
UEERA0035	Establish the basic operating conditions of air conditioning systems	20
UEERA0036	Establish the basic operating conditions of vapour compression systems	60
UEERA0044	Find and rectify faults in single phase motors and associated controls	40
UEERA0045	Find and rectify faults in three phase motors and associated controls	30
UEERA0050	Install refrigerant pipe work, flow controls and accessories	60
UEERA0051	Install, commission, service and maintain air conditioning systems	80
UEERA0053	Install, commission, service and maintain medium temperature systems	60
UEERA0059	Prepare and connect refrigerant tubing and fittings	40
UEERA0062	Recover and charge refrigerants	40
UEERA0079	Safely handle refrigerants and lubricants	40
UEERA0081	Select refrigerant piping, accessories and associated controls	40
UEERA0092	Solve problems in low voltage refrigeration and air conditioning circuits	40
UEERA0094	Verify functionality and compliance of refrigeration and air conditioning installations	40
UEERE0001	Apply environmentally and sustainable procedures in the energy sector	20
UEERL0001	Attach cords and plugs to electrical equipment for connection to a single phase 230 Volt supply	20
UEERL0002	Attach cords, cables and plugs to electrical equipment for connection to 1000 V a.c. or 1500 V d.c.	20
UEERL0004	Disconnect - reconnect electrical equipment connected to low voltage (LV) installation wiring	60
UEERL0005	Locate and rectify faults in low voltage (LV) electrical equipment using set procedures	20

- Only core units relevant to this plumbing class are gazetted.
- Core unit is not gazetted: *UEERA0052 Install, commission, service and maintain low temperature systems.*
- RTOs that deliver the full qualification must ensure that the training plan meets the unit selection requirements as outlined in the training package – this includes delivering all the core units.



Elective units

Group A

Unit code	Unit name	Points
HLTAID011	Provide first aid	10

Group B

Unit code	Unit name	Points
UEERA0006	Apply safety awareness and legal requirements for carbon dioxide refrigerant	10
UEERA0007	Apply safety awareness and legal requirements for flammable refrigerants	10
UEERA0066	Repair and service carbon dioxide refrigeration systems	20
UEERA0067	Repair and service secondary refrigeration systems	20
UEERA0084	Service and repair self-contained flammable refrigerants air conditioning and refrigeration systems	20

- Only elective units relevant to this plumbing class are gazetted
- RTOs that deliver the full qualification must ensure that their training plans meet the elective unit requirements as outlined in the training package

Summary

	VBA Prescribed units		Points required to achieve the qualification
	Number of units	Points	
Gazetted core units	26	1,030	1,070
Gazetted elective units	6	90	140¹
Group A	1	10	
Group B	5	80	
Total	34	1,120	1,210

Notes

- Only units relevant to this class of plumbing are gazetted
- RTOs delivering the full qualification need to ensure that the training plan meets the packaging rules for this course as set out in the *UEE Electrotechnology Training Package*.

¹ Please refer to the current Training Package for rules relating to elective selection



Gazetted units: Licence

Common units

Five 'common' licencing units are prescribed from the Certificate IV in Plumbing and Services qualification. These same five units are prescribed for licencing in all plumbing classes.

Unit code	Unit name
BSBESB402	Establish legal and risk management requirements of new business ventures
CPCBC4012	Read and interpret plans and specifications
CPCPCM4011	Carry out work-based risk control processes*
CPCPCM4012	Estimate and cost work*
CPCPCM4015	Access and interpret regulatory requirements for the plumbing and services industry

* Equivalent units from a Certificate IV in Electrotechnology will be considered.

Class specific units

Unit code	Unit name
UEERA0054	Maintain microbial control of refrigeration and air conditioning systems
UEERA0070	Resolve problems in central plant air conditioning systems

Summary

Gazetted common units	5
Gazetted class specific units	2
Total gazetted units	7



Document modification history

Version 1	Released	Notes
1	May 2021	First release
2	Dec 2022	<ul style="list-style-type: none">• Document updated to new VBA branding• Document modification history added• Acknowledgement added• Correction to Registration summary table – total electives gazetted changed from 9 to 8• Additional explanatory notes added regarding the gazetted units for registration – these notes are added to the following sections: About, Qualifications – Registration, Registration.
3	Oct 2023	<ul style="list-style-type: none">•