



**Australian Government**

# **UEE20120 Certificate II in Split Air Conditioning and Heat Pump Systems**

**Release 3**

# UEE20120 Certificate II in Split Air Conditioning and Heat Pump Systems

## Modification History

Release 3. Updated superseded imported elective units.

Release 2. Updated superseded HLT and BSB imported elective units.

Release 1. This is the first release of this qualification in the UEE Electrotechnology Training Package

## Qualification Description

This qualification covers competencies to install, commission and decommission single head, split air conditioning and heat pumps systems to a prescribed routine where the maximum plant capacity for each system does not exceed 18 kilowatt (kW) refrigeration.

This includes wall hung, floor and ceiling suspended, cassette and ducted fan coil split systems and water heating heat pump systems. This qualification excludes competencies required for service, repair, maintenance, diagnostic/fault finding and electrical work or the safe and proper installation of commercial refrigeration, air conditioning and heat pump plant and equipment.

Relevant employment may be required to enable the application of the required knowledge and skills to on the job work activities and environments.

Refrigerant Handling Licence:

The qualification meets only the training components for a national restricted heat pump, split system, installation and decommissioning Refrigerant Handling Licence, which is required to work on equipment that carries the risk of a fluorocarbon refrigerant being emitted while decanting the refrigerant, installing, commissioning or decommissioning refrigeration and air conditioning equipment.

Refrigeration and Air Conditioning Occupational Licence:

Additional and/or other conditions may apply in some jurisdictions subject to regulations related to refrigeration/air conditioning work. Practice in the workplace and during training is also subject to work health and safety (WHS)/occupational health and safety (OHS) regulations.

## Entry Requirements

There are no entry requirements for this qualification.

## Packaging Rules

A total of **370 weighting points** comprising:

**350 core weighting points** listed below; plus

**20 general elective weighting points** from the general elective units listed below.

Up to **20 weighting points** of the general elective units, may be selected, with appropriate contextualisation, from any relevant nationally endorsed Training Package or accredited course, provided selected units contribute to the vocational outcome of the qualification. Previously assigned weighting points are listed in the UEE Electrotechnology Training Package Companion Volume Implementation Guide (CVIG), if not listed, weighting points will be 10 points, unless directed from the Electrotechnology Industry Reference Committee (IRC).

There are units of competency within this qualification that contain pre-requisites. Units of competency that have a pre-requisite requirement are identified by this symbol \*. Refer directly to the units of competency to identify pre-requisite requirements to ensure all are complied with. A list of all pre-requisites is also provided in the UEE Pre-requisite Companion Volume.

Where imported units are selected, care must be taken to ensure all pre-requisite units specified are complied with.

<b>Core units</b>		<b>Weighting Points</b>
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
UEECD0027	Participate in development and follow a personal competency development plan	20
UEECD0051	Use drawings, diagrams, schedules, standards, codes and specifications*	40
UEERA0049	Install and start up single head split air conditioning and water heating heat pump systems*	70
UEERA0059	Prepare and connect refrigerant tubing and fittings*	40
UEERA0064	Recover, pressure test, evacuate, charge and leak test refrigerants - split systems*	60
UEERE0001	Apply environmentally and sustainable procedures in the energy sector	20
<b>Imported and common elective units</b>		<b>Weighting Points</b>
BSBOPS203	Deliver a service to customers	20

CPCWHS1001	Prepare to work safely in the construction industry	10
HLTAID009	Provide cardiopulmonary resuscitation	10
UEECD0035	Provide basic instruction in the use of electrotechnology apparatus	20
UEECO0002	Maintain documentation	20
UEECO0016	Receive and store materials and equipment for electrotechnology work	20
UEECO0017	Source and purchase material/parts for installation or service jobs	20
UEERA0035	Establish the basic operating conditions of air conditioning systems*	20
UEERL0001	Attach cords and plugs to electrical equipment for connection to a single phase 230 Volt supply*	20
UEERL0003	Conduct in-service safety testing of electrical cord connected equipment and cord assemblies*	20

## Qualification Mapping Information

This qualification replaces and is equivalent to UEE20111 Certificate II in Split Air-conditioning and Heat Pump Systems

## Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>