

UEE REVIEW - IMPORTANT INFORMATION RELATED TO PUBLIC CONSULTATION

OVERVIEW

The Refrigeration and Air Conditioning Technical Advisory Committee (TAC) is reviewing the draft transitioned Units of Competency from the core of the UEE32211 Certificate III in Air Conditioning and Refrigeration.

In undertaking the review, the Refrigeration and Air Conditioning TAC has recommended to split/join a number of Units of Competency to better reflect industry needs after careful deliberation and industry support. It is important to note that the new Units of Competency have been transitioned to the new template and will only be used in the relevant Refrigeration and Air Conditioning qualifications.

Feedback on these Units of Competency will only be accepted if it is submitted through the public feedback register. Feedback should be actionable recommendations, i.e. suggest amendments rather than ask questions about what has been drafted.

The Refrigeration and Air Conditioning TAC has responsibility to review the feedback and provide the Electrotechnology Industry Reference Committee (IRC) with amendments to any Units of Competency required as a result of public consultation. Redrafted content will be rereleased for a second round of public consultation.

SPLITTING AND JOINING OF ENDORSED UNITS OF COMPETENCY

As part of the review, the Refrigeration and Air Conditioning TAC decided to split and/or join the following core Units of Competency to better reflect industry needs.

The details are provided below:

Endorsed Units of Competency	Proposed New Units of Competency	Rationale
UEENEEJ108A Recover, pressure test, evacuate, charge and leak test refrigerants	UEENEEJ999X Safe Handling of Refrigerants and Lubricants Covering refrigerant and lubricant classes, types, applications, properties and safety; refrigerant cylinder requirements and safe handling; general refrigerant handling license requirements and an introduction to the relevant legislation, Standards and Codes of Practice; Fitting gauges, prevention of contamination and leak detection of refrigerants.	Splitting this Unit of Competency is required due to the size of the unit (60 weighting points), the range, depth, complexity and importance of the skills and knowledge covered. This includes the increasing use of natural and new synthetic refrigerants which are either flammable, toxic or operate under extreme pressures.
	UEENEEJ999Y Recover and charge refrigerants Covering the remainder vocational outcomes of the endorsed UEENEEJ108 Unit of Competency with the addition of flammable and HFO refrigerants.	
UEENEEJ153A Find and rectify faults in motors and associated controls in refrigeration and air conditioning systems	UEENEEJ000X Find and rectify faults in single phase motors and associated controls	Splitting this Unit of Competency is required due to the size of the unit (50 weighting points), the range, depth, complexity and importance of the skills and knowledge covered. This includes the increasing use of variable speed drives (VSD) and electronic commutation (EC) motors. This split would allow for recognition of prior learning (RPL) for the 3-phase motor unit if appropriate.
	UEENEEJ000Y Find and rectify faults in three phase motors and associated controls	

<p>UEENEEJ107A Install air conditioning and refrigeration systems, major components and associated equipment</p>	<p>UEENEEJ9991X Install, commission, service and maintain medium temperature systems</p> <p>UEENEEJ9992X Install, commission, service and maintain low temperature systems</p>	<p>The three-endorsed Units of Competency cover refrigeration and air conditioning (RAC) system installation, commissioning and fault finding/repair and maintenance is covered by elective generic unit UEENEE009B - Comply with scheduled and preventative maintenance program processes.</p> <p>The RAC applications covered in these endorsed units are cool rooms, freezer rooms, merchandising and display cabinets, residential and packaged air conditioning systems. Also, for the commissioning and fault finding/repair units, domestic fridges and freezer must be covered and at least one of air and water systems.</p> <p>The current endorsed elective RAC application units are listed below and these are recommended to remain.</p> <ul style="list-style-type: none"> • Central plants (UEENEEJ167A - Resolve problems in central plant air conditioning systems), • Hydronic systems (UEENEEJ114A - Resolve problems in hydronic systems), • Transport refrigeration (UEENEEJ116A - Resolve problems in transport refrigeration systems) • Icemakers (UEENEEJ119A - Resolve problems in ice making systems), • Beverage coolers (UEENEEJ115A - Resolve problems in beverage dispensers), • Industrial refrigeration (UEENEEJ120A - Resolve problems in industrial refrigeration systems) <p>The domestic fridges and freezers unit (UEENEEJ155A - Service refrigeration appliances) is recommended to be added as an elective unit as most refrigeration mechanics do not work on them based on industry feedback.</p> <p>In the workplace, generally companies who install a system also commission, service and maintain the system and there is cross over in the skills and knowledge required across these activities. Therefore, it is proposed to combine installation, commissioning, fault finding/repair and maintenance into separate new units for the following applications:</p> <ul style="list-style-type: none"> • Low temperature systems (cabinets/cold rooms) • Normal temperature systems (cabinets/cool rooms) • High temperature systems, i.e. residential and packaged air conditioning.
<p>UEENEEJ111A Diagnose and rectify faults in air conditioning and refrigeration systems and components</p>	<p>UEENEEJ9993X Install, commission, service and maintain air conditioning systems</p>	
<p>UEENEEJ113A Commission air conditioning and refrigeration systems</p>		