



Australian Government

**Assessment Requirements for UEERA0084
Service and repair self-contained flammable
refrigerants air conditioning and
refrigeration systems**

Assessment Requirements for UEERA0084 Service and repair self-contained flammable refrigerants air conditioning and refrigeration systems

Modification History

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

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions on at least two separate occasions and include:

- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including using risk control measures
- charging the system with the appropriate type and quantity of flammable refrigerants
- completing documentation
- completing work and reporting on servicing and repairing flammable refrigerants refrigeration and air conditioning systems
- conducting pressure testing at the appropriate pressure level and without damaging components
- dealing with unplanned events
- evacuating the system to the required standard and using appropriate vacuum measuring instruments
- locating and rectifying leaks
- obtaining and recording measurements
- preparing to service and repair flammable refrigerants refrigeration and air conditioning systems
- removing and storing refrigerant correctly
- selecting appropriate materials and equipment
- servicing and repairing flammable refrigerants refrigeration and air conditioning systems.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- charging requirements and procedures
- compressor lubricant types, applications and safe handling
- evacuation requirements and procedures

- flammable refrigerant (A2, A2L and A3) types, applications, dangers, safe handling, storage and transport
- flammable refrigerant refrigeration and air conditioning systems, components and operating conditions
- leak detection requirements and procedures
- pressure testing requirements and procedures
- refrigerant removal/recovery and flushing requirements and procedures
- relevant job safety assessments or risk mitigation processes
- relevant legislation, industry standards and codes of practice, including hazards associated with flammable refrigerants
- relevant manufacturer specifications
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace policies and procedures
- system access tools and procedures
- tube joining tools and procedures.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in suitable workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated suitable workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, facilities, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

Companion Volume implementation guides are found in VETNet - -

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