



**Australian Government**

**Assessment Requirements for MEM18084  
Commission and decommission split air  
conditioning systems**

**Release: 1**

# Assessment Requirements for MEM18084 Commission and decommission split air conditioning systems

## Modification History

Release 1. Supersedes and is equivalent to MEM18084A Commission and decommission split air conditioning systems

## Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria on at least two (2) occasions and include:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- identifying and interpreting charts, lists, catalogues, specifications, legislative and industry requirements and drawings and obtaining relevant data with respect to commissioning and decommissioning split air conditioning systems
- checking system for correct operation using appropriate tools, techniques and equipment and comparing system and component performance/operation against specifications
- isolating circuit and appliances in strict accordance with work health and safety (WHS) requirements and procedures, where necessary
- identifying faulty components and non-compliances using appropriate tools, equipment and testing
- removing, containing and adding refrigerant safely in compliance with relevant Australian Standards or codes and regulations
- pressure and leak testing split air conditioning systems at a pressure compatible with the refrigerant to be used and locating leaks, isolating and applying appropriate repairs, adjustments or remedial action to achieve specifications
- completing commissioning procedures, including undertaking final inspection, instructing the client and completing certificates of compliance and other relevant commissioning documentation and processes
- decommissioning split air conditioning – single head systems using sustainable environmental practices
- completing all relevant commissioning and decommissioning documentation in accordance with state/territory regulatory requirements.

## Knowledge Evidence

Evidence required to demonstrate the required knowledge for this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)

- applicable legislative and regulatory requirements, standards, codes, licensing requirements and sustainable environmental practices for commissioning and decommissioning systems
- applicable procedures and legislative requirements for storage, handling and treatment of ozone depleting and synthetic greenhouse gas refrigerant
- applicable procedures for working with R32 and other flammable refrigerants where used in split air conditioning systems
- typical work environments, demands and considerations
- specifications, operational characteristics and process for identifying system components
- typical problems, contingencies and solutions
- applicable tools, equipment and testing devices and their operation
- procedures for determining the actual and specified range of operating conditions from measured and calculated values as they apply to particular vapour compression systems
- procedures for evacuating system, leak testing, adding refrigerant and checking air flow
- requirements and procedures to isolate circuits/appliances
- measuring instruments/equipment, specifications and procedures for checking temperature, system performance and components
- process for identifying refrigerant type
- types of commissioning documentation
- requirements and procedures for reporting non-compliances completing documentation.

## Assessment Conditions

- Assessors must:
  - have vocational competency in commissioning and decommissioning split air conditioning systems at least to the level being assessed with relevant industry knowledge and experience
  - satisfy the assessor requirements in the *Standards for Registered Training Organisations 2015* or its replacement and comply with the *National Vocational Education and Training Regulator Act 2011*, its replacement or equivalent legislation covering VET regulation in a non-referring state/territory as the case requires
- Where possible assessment must occur in operational workplace situations. Where this is not possible or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment that reflects realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications
- 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.

## **Links**

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>