



Australian Government

Assessment Requirements for MEM18094 Service and repair commercial refrigeration

Release: 1

Assessment Requirements for MEM18094 Service and repair commercial refrigeration

Modification History

Release 1. Supersedes and is equivalent to MEM18094B Service and repair commercial refrigeration

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, drawings and relevant legislation with respect to servicing and repairing commercial refrigeration
- selecting and using appropriate tools, techniques and test equipment necessary to check and assess commercial and supermarket equipment and components for conformance with specifications
- carrying out preventative maintenance tasks according to manufacturers' specifications using refrigeration techniques/practices
- identifying and localising faulty components and confirming malfunction by inspection/testing, and making required adjustments to achieve specifications
- removing the refrigerant from the system and containing in accordance with procedures and regulatory requirements, where required
- removing/dismantling and reassembling faulty components and selecting replacement parts from manufacturers' catalogues to meet the required specifications
- undertaking calculations and numerical operations associated with servicing and repairing commercial refrigeration
- charging the system and verifying correct operation of the equipment to meet specifications, where required
- completing all maintenance records/reports in accordance with SOPs.

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)
- frequency and reason for preventative maintenance
- variations in component identities
- operation and characteristics of range of components

- procedures for refrigeration systems evacuation, recovery containment and storage for refrigerants
- tools, techniques, equipment and procedures necessary to check and test refrigeration system components
- tools, techniques, equipment and procedures for adjusting refrigeration systems
- procedures for obtaining authorisation of adjustments outside of operational specifications
- effect of poor repair practices
- process to select replacement parts
- codes and regulations relevant to the refrigeration/air conditioning industry, including environmental and ozone and greenhouse substance legislation.

Assessment Conditions

- Assessors must:
 - have vocational competency in servicing and repairing commercial refrigeration 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>