



Australian Government

**Assessment Requirements for MEM21019
Service and repair clock striking
mechanisms**

Release: 1

Assessment Requirements for MEM21019 Service and repair clock striking mechanisms

Modification History

Release 1. Supersedes and is equivalent to MEM21019A Service and repair clock striking mechanisms

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 function and type of striking mechanism
- liaising with customer, verifying condition and performance, and identifying repair costs
- dismantling and reassembling clocks with count wheel striking mechanisms in an appropriate work environment
- dismantling and reassembling clocks with rack striking mechanisms in accordance with manufacturer's specifications and procedures
- using appropriate hand and bench tools and equipment for servicing and repairing
- adjusting striking clock mechanisms for correct operation and synchronisation with hands and sound generation and tonality and verifying correct set-up
- selecting and applying correct lubricants for cams and detents and using appropriate lubrication techniques
- performing operation and performance testing of striking clocks
- diagnosing faults relating to strike mechanisms
- recording and documenting repairs.

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)
- types of clock striking systems
- difference between designs from various manufacturers
- application of gong rods, bells and hammers to achieve correct resonant sound generation
- strike fault-finding techniques
- fault-finding techniques for ensuring strike does not impact on clock operation
- service and repair techniques for striking mechanisms
- dismantling and reassembling techniques for striking mechanisms.

Assessment Conditions

- Assessors must:
 - have vocational competency in servicing and repairing clock striking mechanisms 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>