



Australian Government

Assessment Requirements for MEM21017 Service and repair clock timepieces

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM21017A Service and repair clock timepieces

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 and safe work practices
- identifying clock origin, case and movement
- liaising with customer and verifying condition and performance
- identifying repair costs and preparing written quotation
- dismantling and reassembling clock movement and components in an appropriate work environment
- identifying and rectifying wear and faults in escapement, bearings, arbors, wheels and pinions
- safely handling of clock mainsprings, including using mainspring handling equipment
- using appropriate hand tools and equipment for servicing and repairs
- safely cleaning clock components using appropriate methods and media
- selecting and applying correct lubricants for escapements, bearings, barrels and mainsprings and using appropriate lubrication techniques
- performing function and performance testing
- recording and documenting repairs.

Knowledge 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 and safe work practices
- identifying clock origin, case and movement
- liaising with customer and verifying condition and performance
- identifying repair costs and preparing written quotation
- dismantling and reassembling clock movement and components in an appropriate work environment
- identifying and rectifying wear and faults in escapement, bearings, arbors, wheels and pinions
- safely handling of clock mainsprings, including using mainspring handling equipment
- using appropriate hand tools and equipment for servicing and repairs

- safely cleaning clock components using appropriate methods and media
- selecting and applying correct lubricants for escapements, bearings, barrels and mainsprings and using appropriate lubrication techniques
- performing function and performance testing
- recording and documenting repairs.

Assessment Conditions

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