



**Australian Government**

**Assessment Requirements for MEM21009  
Inspect, diagnose, adjust and repair  
mechanical watches**

**Release: 1**

# Assessment Requirements for MEM21009 Inspect, diagnose, adjust and repair mechanical watches

## Modification History

Release 1. Supersedes and is equivalent to MEM21009A Inspect, diagnose, adjust and repair mechanical watches

## 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 various mechanical watches by construction, function and characteristics
- liaising with customer, verifying condition and performance, and identifying repair costs
- inspecting mechanical watches by manipulating components and sub-assemblies and assessing condition and faults during the process of dismantling and assembling
- interpreting readings and making accurate observations to recognise faults
- determining appropriate sequence to accurately assess condition and faults during the process of dismantling and assembly
- selecting and using appropriate bench tools when repairing and adjusting mechanical watches in a clean and safe environment
- undertaking inspection and adjustment of watch mechanisms and sub-assemblies
- performing timekeeping analysis and adjustment techniques
- undertaking function and watch performance and rate tests
- 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)
- mechanical watch faults
- sequences used to accurately assess condition and faults during the process of dismantling and assembly
- tools used to repair and adjust mechanical watches
- adjustment methods for watch mechanisms and sub-assemblies
- watch performance and rate test requirements
- repair and adjustment procedures
- repair records and documentation procedures
- function and operating principles of mechanical watches

- procedures for fault finding and inspection of watch mechanisms and sub-assemblies
- manufacturer specifications and tolerances for performance and timekeeping.

## Assessment Conditions

- Assessors must:
  - have vocational competency in inspecting, diagnosing, adjusting and repairing mechanical watches 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>