



Australian Government

Assessment Requirements for MEM21013 Service, test and adjust watch escapements

Release: 1

Assessment Requirements for MEM21013 Service, test and adjust watch escapements

Modification History

Release 1. Supersedes and is equivalent to MEM21013A Service, test and adjust watch escapements

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 escapement type and construction
- liaising with customer, verifying condition and performance, and identifying repair costs
- establishing a clean and safe work environment
- identifying faults in escapement components and condition
- rectifying escapement action by replacement and adjustment using appropriate hand tools and equipment
- servicing/lubricating escapement in accordance with manufacturer's specifications
- reconfirming safety test action including clearance of horns and clearance of guard pin and assessing watch in various states of winding and position
- 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)
- watch construction
- historic development and common types of escapements
- lever escapement function, operation, action, inspection and adjustment
- escapement safety tests
- techniques for replacement/adjustment of pallet stones
- techniques for assessing watch escapement performance/timekeeping.

Assessment Conditions

- Assessors must:
 - have vocational competency in servicing, testing and adjusting watch escapements 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>