



Australian Government

Assessment Requirements for MEM21010 Service watch power generating systems

Release: 1

Assessment Requirements for MEM21010 Service watch power generating systems

Modification History

Release 1. Supersedes and is equivalent to MEM21010A Service watch power generating systems

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 mechanical self-winding or quartz generating system type
- liaising with customer, verifying condition and performance, and identifying repair costs
- selecting and using appropriate tools and equipment in a clean and safe environment
- identifying and naming the components of a self-winding or quartz generating mechanism
- dismantling and assembling self-winding or quartz generating mechanisms using correct techniques and precautions
- inspecting, fault finding and replacing faulty or worn components
- cleaning components and applying lubricants correctly in an appropriate work environment
- servicing barrel and mainspring slipping device in accordance with procedures
- undertaking function and watch performance and rate tests
- performing wear and power generation 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)
- types of self-winding or quartz generating watch
- components of a self-winding or quartz generating mechanism
- inspection and fault-finding procedures of self-winding or quartz generating mechanisms
- lubrication techniques of self-winding or quartz generating mechanisms
- function of the barrel and mainspring slipping device
- performance tests for self-winding or quartz generating mechanisms.

Assessment Conditions

- Assessors must:
 - have vocational competency in servicing watch power generating systems 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>