



**Australian Government**

**Assessment Requirements for MEM21001  
Replace watch batteries, capacitors and  
bands**

**Release: 1**

# Assessment Requirements for MEM21001 Replace watch batteries, capacitors and bands

## Modification History

Release 1. Supersedes and is equivalent to MEM21001A Replace watch batteries, capacitors and bands

## 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
- liaising with customer and carrying out pre-repair tests on watches, and recording and documenting repair process
- opening and closing watch cases using appropriate watch repairers' tools and confirming watch movement's performance
- identifying, handling and storing power cells
- performing electrical testing using electrical test equipment and confirming results against manufacturers' specifications
- removing bands and band attachments using appropriate methods, tools and equipment
- determining dimensions of band width
- applying water-resistance testing methods and verifying results
- 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 and band construction, components and materials
- operating principles of power cells, batteries, capacitors and voltages (1.55v d.c. – 3v d.c.)
- methods of identifying watches requiring water-resistance or pressure testing
- how to confirm battery capacity
- handling, storage and disposal procedures for watch power sources
- removal procedures for watch glasses, gaskets and other components
- environmental guidelines and regulations relevant to the disposal of watch power sources
- multimeter types and how to set up, use and record values
- Australian Standards for water-resistant watches
- methods of identifying watches requiring water-resistance or pressure testing

- methods of water-resistance testing for watches and advantages and disadvantages of each method.

## Assessment Conditions

- Assessors must:
  - have vocational competency in replacing watch batteries, capacitors and bands 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>