



Australian Government

Assessment Requirements for MEM21007 Service complex quartz watches

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM21007A Service complex quartz 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
- liaising with customer and verifying condition and performance, identifying service costs, and recording and documenting repair process
- dismantling complex quartz watches, chronographs and perpetual calendars using appropriate workshop tools and equipment
- servicing multiple step motors in quartz chronograph and perpetual calendar watches in an appropriate work environment
- fault finding complex quartz watches and identifying faulty or worn components and replacing in accordance with manufacturers' specifications
- reassembling, lubricating, performance testing and adjusting complex quartz watches
- re-programming and resetting integrated circuits and synchronising analog displays for quartz chronographs and perpetual calendars.

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)
- quartz watch construction, components and operating principles, including calendars and motor drive systems
- service procedures for complex analog and digital quartz watches
- client liaison techniques
- fault-finding techniques for quartz watches
- performance testing equipment/procedures
- types of calendar displays
- service procedures to program and reset chronograph and perpetual calendar circuits.

Assessment Conditions

- Assessors must:

- have vocational competency in servicing complex quartz 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>