



**Australian Government**

**Assessment Requirements for MEM18009  
Perform precision levelling and alignment  
of machines and engineering components**

**Release: 2**

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# **Assessment Requirements for MEM18009 Perform precision levelling and alignment of machines and engineering components**

## **Modification History**

Release 2. Quantum of hours of workplace practice removed. Supersedes and is equivalent to MEM18009 Perform precision levelling and alignment of machines and engineering components (Release 1).

Release 1. Supersedes and is equivalent to MEM18009B Perform levelling and alignment of machines and engineering components.

## **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 and interpreting specifications, charts, lists and drawings to perform levelling and alignment of machines and engineering components
- selecting appropriate levelling and/or alignment procedure in accordance with task requirements
- selecting appropriate levelling and alignment devices/equipment appropriate to the task
- performing levelling/alignment tasks, including levelling or alignment calculations, using appropriate tools, equipment and techniques to specifications.

## **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)
- principles of levelling and alignment
- numerical operations, geometry and calculations/formulae for levelling and alignment
- effects on equipment performance and life of non-level or out-of-alignment components
- techniques, tools, equipment and procedures to carry out the levelling and/or alignment
- reasons for selecting tools, techniques and equipment.

## **Assessment Conditions**

- Assessors must:
    - have vocational competency in performing levelling and alignment of machines and engineering components at least to the level being assessed with relevant industry knowledge and experience
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- 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.
  - Assessment must occur in a functioning workplace. Where assessment in the workplace would be unsafe, impractical or threatens the environment, assessment must occur in a sufficiently rigorous simulated environment that reflects the circumstances that would be experienced in a functioning workplace. Assessment must cover all aspects of workplace performance, including 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>

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