



Australian Government

Assessment Requirements for MEM15020 Perform inspection of measuring instruments

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM15020C Perform verification/certification or in-service inspection.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- examining instruments for existing verification/certification marks and determining the type of inspection required on at least two occasions
- selecting and using specialised test equipment on at least two occasions
- conducting inspection of measuring equipment on at least two occasions in accordance with test procedures, legislation and policies
- implementing work health and safety (WHS) considerations when carrying out inspection
- preparing technical reports relating to verification/certification or in-service inspection
- completing inspection documentation in accordance with procedures.

Note: Where a volume and/or frequency is not specified, demonstration must be provided at least once.

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
- reference materials
- fundamental operating features and functions for different types of measuring instruments and the purpose of major components
- differences in the application of tolerances being applied
- the processes variations required between the verification/certification and in-service of a range of measuring instruments
- process variations between verification/certification and in-service inspection
- appropriate tolerances for a range of measuring instruments
- environmental factors that may not result in an instrument rejection but other remedial actions
- specialised equipment that can be required

- legislation and policies associated with conducting inspection of measuring instruments
- action to be taken where a conflict occurs between uniform test procedures and those test procedures contained in certificates of approval
- situations where the removal of verification/certification marks is impractical on some instruments and the appropriate action to be taken in these circumstances
- methods to monitor performance trends.
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Assessment Conditions

- Assessors must:
 - have vocational competency in performing verification/certification or in-service inspection 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.
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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>