



Australian Government

Assessment Requirements for MEM24019

Apply codes and standards to non-destructive testing

Release: 1

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Modification History

Release 1. New unit.

Performance Evidence

There must be evidence the candidate demonstrated the ability to:

- identify standards and codes relevant to performing two different types of non-destructive tests above the basic NDT test level
- check the currency of the identified standards and/or codes
- apply relevant sections of correctly identified standards and codes to the set-up, conduct and reporting of at least two different NDT process tests above the basic NDT test level.

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

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- formats and methods used by standards organisations to arrange, distribute and indicate currency of non-destructive standards and codes
- formats and methods used by standards organisations to arrange, distribute and indicate currency of standards and codes related to materials, welding, structures, products, and consumables
- methods used in drawings, design specifications, welding procedures and other specifications to indicate standards and codes requirements
- requirements of Australian or international standards and codes covering the performance of two or more different types of non-destructive tests above the basic NDT test level
- manufacturer marks and other methods used by manufacturers of materials and consumables to indicate compliance with standards.

Assessment Conditions

- Assessors must:
 - have vocational competency in applying codes and standards to non-destructive testing 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 that cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- There must be 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>