



Australian Government

**Assessment Requirements for
AURMTA007 Conduct non-destructive
testing**

Release: 1

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Modification History

Release	Comment
Release 1	New unit of competency.

Performance Evidence

Before competency can be determined, individuals must demonstrate they can perform the following according to the standards defined in this unit's elements, performance criteria, range of conditions and foundation skills:

- carry out non-destructive testing on four different competition vehicle components, in which the work must involve:
 - dye-penetrant testing of one component
 - magnetic particle testing of one component.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to conducting non-destructive testing, including procedures for using flammable and toxic dye penetrant sprays
- types and limitations of non-destructive tests, including:
 - dye-penetrant
 - wet magnetic particle
 - Rockwell, Brinell and Vickers hardness
 - vacuum
 - pressure
- non-destructive testing procedures, including:
 - preparation, including methods of cleaning that do not mask faults
 - equipment use, maintenance and storage
 - analysis techniques
- procedures for recording results of non-destructive testing.

Assessment Conditions

Assessors must satisfy NVR/AQTF assessor requirements.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessment must include direct observation of tasks.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the non-destructive testing they have conducted on competition vehicle components, e.g. analysis documentation.

Assessors must verify performance evidence through questioning on skills and knowledge to ensure correct interpretation and application.

The following resources must be made available:

- automotive repair workplace or simulated workplace
- workplace instructions
- component specifications
- four different competition vehicle components requiring the non-destructive testing specified in the performance evidence
- equipment, tools and materials appropriate for dye-penetrant testing and magnetic particle testing.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>

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