



Australian Government

MEMSS00001 Non Destructive Testing - Level 2 NDT practitioner

Release 1

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Modification History

New Skill Set. Release 1

Description

This Skill Set is intended to build on existing trade or technical qualifications. The competencies can also provide credit towards higher level qualifications within the Metal and Engineering Training Package. It covers the skill and knowledge requirements that may lead to certification against AS 3998/ISO 9712 - LEVEL 2 in the following methods:

- penetrant testing
- eddy current testing
- ultrasonic testing
- radiographic testing

However, the certifying body may impose additional requirements before a NDT practitioner can work in the field. Applicants should check full certification requirements with the relevant body. Entrants to this Skill Set should have sufficient workplace skills in OH&S, communication and teamwork that provide underpinning competency to acquire and apply the Skill Set.

An individual certified to NDT level 2 is qualified to perform and direct non-destructive testing in accordance with established or recognized procedures. This may include:

- defining the limitations of application of the test method for which the level 2 individual is qualified;
- translating NDT codes, standards, specifications and procedures into practical testing instructions adapted to the actual working conditions;
- setting up and verifying equipment settings;
- performing and supervising tests;
- interpreting and evaluating results according to applicable codes, standards and specifications;
- preparing NDT instructions;
- carrying out or supervising all level 1 duties;
- training or guiding personnel below level 2; and
- organizing and reporting results of non-destructive tests.
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Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Skill Set Requirements

MEM18001C	Use hand tools
MEM24002B	Perform penetrant testing
MEM24006B	Perform eddy current testing
MEM24008B	Perform ultrasonic testing
MEM13013B	Work safely with ionizing radiation
MEM24010B	Perform radiographic testing
MEM24012C	Apply metallurgy principles

Target Group

This Skill Set is appropriate for experienced trade and technical personnel such as NDT technicians, quality assurance inspectors and other operators required to conduct non destructive testing of materials and components using a range of test methods.

The roles, training and experience requirements for NDT operators are defined through a comprehensive range of national and international standards which identify a three level structure. Certification is for a limited period, five years initially, and must be renewed, either on the basis of continuing work experience in the appropriate area or examination. After ten years re-certification is based on examination.

Suggested words for Statement of Attainment

These competencies are taken from the Metal and Engineering Training Package and provide training that may meet the minimum skill and knowledge requirements for industry certification as a Level 2 NDT practitioner.

Custom Content Section

Not applicable.