



**Australian Government**

# **MEMSS00002 Non-Destructive Testing - Level 2 NDT practitioner**

**Release 1**

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## **Modification History**

Release 1. Supersedes but is not equivalent to MEMSS00001 Non Destructive Testing - Level 2 NDT practitioner. Three new units added.

## **Description**

This Skill Set is intended to build on existing trade or technical qualifications. It covers the skill and knowledge requirements that may lead to certification against AS ISO 9712 – Level 2 in the following methods:

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

The certifying body may impose additional requirements before an NDT practitioner can work in the field. Participants wishing to be certified against AS ISO 9712 – Level 2 should check full certification requirements with the Australian Institute for Non-Destructive Testing or other relevant bodies.

## **Pathways Information**

The competencies can provide credit towards the Certificate III in Engineering – Technical, the Certificate IV in Engineering, the Diploma of Engineering – Advanced Trade, The Diploma of Engineering – Technical and the Advanced Diploma of Engineering qualifications within the Manufacturing and Engineering Training Package.

## **Licensing/Regulatory Information**

Not applicable.

## **Skill Set Requirements**

### **MEM11011 Undertake manual handling**

MEM13015 Work safely and effectively in manufacturing and engineering

MEM16006 Organise and communicate information

MEM18001 Use hand tools

MEM24002 Perform penetrant testing

MEM24006 Perform eddy current testing

MEM24008 Perform ultrasonic testing

MEM13018 Work safely with ionizing radiation

MEM24010 Perform radiographic testing

MEM24012 Apply metallurgical 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 units of competence are from the Manufacturing 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.