



**Australian Government**

# **Assessment Requirements for MSL904003 Perform standard calibrations**

**Release: 1**

# Assessment Requirements for MSL904003 Perform standard calibrations

## Modification History

Release 1. Supersedes and equivalent to MSL904002 Perform standard calibrations. Minor changes to Performance Criteria and Knowledge Evidence. Performance Evidence changed for improved flexibility and use across multiple industry sectors.

## Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- safely and accurately calibrated 3 different types of test and/or measurement equipment chosen from the following fields of testing and/or calibration:
  - temperature
  - light intensity
  - physical measurement
  - electrical testing
  - mechanical testing
  - other situation where the instrument is used as an industry reference or standard.

Calibrations must be carried out in accordance with standard calibration procedures and documented test methods.

## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- basic purpose of metrology and calibration relevant to job role, including common terminology, concepts, principles, procedures and applications
- National Association of Testing Authority's (NATA) and National Measurement Institute's (NMI) role in the measurement and testing system in Australia
- requirements for the competence of testing and calibration laboratories as they affect job role and responsibilities
- statistical analysis of quality control data, mean, median, mode, ranges and standard deviations
- hierarchy and appropriate selection of reference materials and instruments
- test equipment, reference materials and working standards relevant to job role
- workplace procedures for:
  - non-conformance/non-compliance
  - equipment operation
  - calibration
  - troubleshooting for equipment and test methods

- recording and reporting
- handling, transport, storage and operation of reference and working standards relevant to the job role
- test methods and calibration (validated and authorised)
- metrological traceability
- different fields in which calibration work is conducted
- legal, ethical and work health and safety (WHS) requirements specific to the work task.
- 

## Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
  - specialised calibration/test equipment, reference standards and laboratory facilities
  - calibration methods, procedures and equipment specifications
  - workplace quality manual and procedures.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

## Links

MSL Laboratory Operations Companion Volume Implementation Guide is available from VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5c63a03b-4a6b-4ae5-9560-1e3c5f462baa>