



Australian Government

Assessment Requirements for MSL905005 Create or modify calibration procedures

Release: 1

Assessment Requirements for MSL905005 Create or modify calibration procedures

Modification History

Release	Comments
Release 1	<p>This version was released in <i>MSL Laboratory Operations Training Package Release 2.0</i>.</p> <p>Supersedes and equivalent to MSL905002 Create or modify calibration procedures. Foundation skills information added. Range of conditions removed. Assessment requirements amended. Equivalent outcome.</p>

Performance Evidence

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

- created or modified at least 2 calibration procedures, including trialling and confirming that each is fit for purpose to meet technical and/or client requirements.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- procedures, and implications, for creating or modifying calibration procedures
- Australian and international standards covering accuracy of measurement methods and results, expression of uncertainty (GUM), quantifying uncertainty in analytical measurement, and quality assurance of measurement equipment
- registration/licensing and/or National Association of Testing Authorities (NATA) accreditation requirements
- electrical reference standard
- common test equipment
- laboratory environmental control requirements
- structure and terminology used in standard calibration methods, procedures, requests and instructions
- current calibration methods, procedures and technology applications used in laboratory
- handling, transport, storage and operation requirements of reference and working standards
- calculation procedures to give results in appropriate accuracy, precision and units
- methods for statistical analysis (means, ranges and standard deviations) and estimation of uncertainty of measurement (may include the use of software)

- equipment and testing method troubleshooting procedures
- workplace procedures for documenting calibration procedures
- workplace and/or legal traceability requirements
- 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 materials and laboratory facilities
 - access to a library of 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>