



**Australian Government**

# **Assessment Requirements for MSL934004 Maintain and calibrate instruments and equipment**

**Release: 1**

## Assessment Requirements for MSL934004 Maintain and calibrate instruments and equipment

### 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 <i>MSL935004 Maintain instruments and equipment</i>. Change to elements and performance criteria. Range of conditions removed. Assessment requirements amended.</p> |

### Performance Evidence

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

- checked the serviceability of at least 3 laboratory/field instruments or items of equipment and performing routine maintenance on each
- accurately conducted calibration status/qualification checks for at least 2 instruments or items of equipment.

### Knowledge Evidence

There must be evidence the candidate has knowledge of:

- role and importance of regular calibration checks and maintenance of instruments and equipment, and maintenance schedules and procedures
- function of key components of the instrument or equipment operating principles, details of the pre-use, calibration and safety checks, and operating procedures for the items used
- sources of uncertainty in instrument or equipment operation and their control
- common laboratory instruments and equipment
- equipment manuals and warranties
- common sources of faults in the instruments or equipment used and details of their repair
- typical basic repairs carried out on equipment
- typical calibration status/qualification checks
- basic equipment cleaning, maintenance and storage procedures for items of equipment used
- service agents or other personnel accredited to calibrate, service and repair equipment used in job role

- process involved in arranging calibration, repair and/or maintenance of equipment including assessment of instrument repair status and determining if local repair or maintenance is possible and economical
- workplace procedures for recording data and reporting results, communicating with service agents and suppliers and ordering stocks
- awareness of environmental sustainability issues as they relate to the work task
- 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:
  - standard laboratory equipped with appropriate instruments and equipment, reference materials, consumables; cleaning, decontamination and/or disinfection agents and equipment; and personal protective equipment (PPE)
  - workplace procedures, calibration and maintenance schedules, equipment manuals, supplier catalogues and information/records management system.

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>