



**Australian Government**

# **Assessment Requirements for MSL934008 Maintain instruments and equipment**

**Release: 1**

# Assessment Requirements for MSL934008 Maintain instruments and equipment

## Modification History

Release 1. Title changed to reflect content. Minor changes to Performance Criteria. Changes to Performance Evidence to improve clarity. Minor changes to Knowledge Evidence to improve clarity and remove duplication. Supersedes and equivalent to MSL934004 Maintain and calibrate instruments and equipment.

## Performance Evidence

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

- conducted the following on at least 3 different laboratory or field instruments or items of equipment:
  - serviceability check
  - routine maintenance
- accurately conducted calibration checks for at least 2 laboratory or field instruments or items of equipment.
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## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- role and importance of regular calibration checks, maintenance of instruments and equipment, and the use of maintenance schedules and procedures
- common laboratory instruments and equipment requiring calibration checks, and the function of key components, including operating principles, details of the pre-use, calibration and safety checks, and operating procedures
- sources of uncertainty in instrument or equipment operation and their control
- equipment manuals and warranties
- common sources of faults in the instruments or equipment used and details of their repair
- typical calibration status checks
- purpose and importance of using certified reference standards or devices
- basic equipment cleaning, maintenance, scheduling 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

- environmental sustainability issues as they relate to the work task
- legal, ethical and work health and safety (WHS) requirements specific to the work task.
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## 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 standards or devices, consumables; cleaning, decontamination and/or disinfection agents and equipment; and personal protective equipment (PPE)
  - workplace procedures, calibration and maintenance schedules, equipment manuals, manufacturer procedures 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>