



Australian Government

**Assessment Requirements for MSL974024
Undertake field-based, remote-sensing
monitoring**

Release: 1

Assessment Requirements for MSL974024 Undertake field-based, remote-sensing monitoring

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 MSL974009 Undertake field-based, remote-sensing monitoring. Foundation skill information added. 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:

- organised and safely and effectively undertaken at least 2 defined field-based, remote-sensing monitoring activities to collect and store reliable data.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- terminology, protocols and statutory requirements relevant to field-based environmental monitoring activities conducted as part of job role
- purpose and objectives of the monitoring activities conducted as part of job role, including:
 - information and analysis required
 - end users of information
 - significance of outcomes for broader programs
- operating principles, technical capabilities and limitations of remote-sensing equipment and instruments used
- typical instruments and equipment
- typical purpose of field monitoring activities:
 - single or multiple site monitoring
 - component of workplace environmental management plan
 - remote-sensing monitoring of physical/chemical and mechanical/geotechnical parameters
 - monitoring of consolidation of soils and foundations

- monitoring the durability of structures (e.g. roads)
- requirement to comply with statutory requirements
- requirement to comply with industry sampling/monitoring protocols/codes of practice
- standard methods for sampling, remote-sensing/monitoring protocols, data quality procedures and site-specific requirements
- data quality, data storage, analysis and presentation procedures
- workplace and/or legal traceability requirements
- hazards and risks associated with field-based, remote-sensing monitoring
- field-based work health and safety (WHS) requirements, emergency plans and environmental requirements
- workplace and/or legal traceability requirements
- 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:
 - work program, workplace procedures covering safety and risk assessment, first aid, survival and emergency procedures, environmental requirements, codes of practice and field protocols
 - vehicles, monitoring and communication equipment, consumables and manuals.

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>