



Australian Government

**Assessment Requirements for MSL974022
Undertake environmental field-based
monitoring**

Release: 1

Assessment Requirements for MSL974022 Undertake environmental field-based 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 MSL974007 Undertake environmental field-based 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 undertaken at least 1 field monitoring program to accurately determine physical and chemical parameters, or
- observed and accurately documented at least 1 biological and ecological system.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- understanding of the purpose and objectives of field activities, such as information and analysis required, end users of information, and significance of outcomes for broader programs
- application of risk assessment to work programs and field activities
- technical capabilities and limitations of equipment and instruments used in field activities
- purpose of field monitoring activities:
 - single or multiple site sampling and monitoring, routine monitoring of physical/chemical parameters
 - biological/ecological surveys
 - requirement to comply with legislation, regulations or standards, industry sampling or monitoring protocols or codes of practice
- common issues and problems that may occur when organising and conducting field activities:
 - loss or failure of equipment
 - failure to bring critical equipment

- communication failure/difficulties
- unexpected restriction access to site
- unforeseen environmental impacts
- contact with hazardous wastes.
- 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:
 - equipment required for field activities: vehicles, navigation and communication equipment; survey and/or testing equipment, sampling equipment, containers, safety equipment and consumables
 - work program, workplace procedures, codes of practice and field protocols 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>