



Australian Government

**Assessment Requirements for MSL975042
Design and supervise complex
environmental field surveys**

Release: 1

Assessment Requirements for MSL975042 Design and supervise complex environmental field surveys

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 MSL975011 Design and supervise complex environmental field surveys. 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:

- effectively designed, organised and supervised at least 1 complex environmental field survey.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- general principles of environmental planning and assessment, and environmental protection
- environmental field survey terminology, principles, practices and techniques relevant to job role
- workplace data quality procedures, data recording and storage methods relevant to job role
- current developments in field instrumentation, survey equipment and communication systems relevant to job role
- typical purpose and objectives of the complex environmental field surveys:
 - part of workplace environmental management plan
 - statutory requirements
 - environmental impact assessment for major development
 - environment audit
 - pollution control activity
 - general environmental and ecological surveys
 - research studies

- rights and responsibilities of employers and employees when conducting field activities, such as legal/regulatory requirements, risk management, safety and emergency management, and environmental protection
- types of field survey activities:
 - climate and meteorology
 - geology, soils and geomorphology
 - hydrology and water quality
 - noise
 - land resources, vegetation, wildlife and conservation
 - land uses, agriculture, forestry, mining and recreation
- typical clients of field surveys:
 - Commonwealth, state/territory and local government agencies
 - organisations with monitoring and/or survey responsibilities
 - regulatory authorities
 - private companies
 - developers
 - land owners and leaseholders
- typical field survey problems
- legal, ethical and work health and safety (WHS) requirements specific to the work task including traceability, confidentiality and security requirements of all client information, and laboratory data and records.

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:
 - workplace procedures and field protocols, equipment/instrument manuals, calibration procedures, instrument fault-finding procedures, general maintenance and repair procedures
 - equipment required for field activities, such as vehicles, navigation and communication equipment, survey equipment, sampling/monitoring equipment, containers and animal cages, field test kits and instruments, consumables, safety equipment, first aid and/or survival kits
 - work program, workplace procedures, codes of practice and field protocols and manuals.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Training Package Companion Volumes -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5c63a03b-4a6b-4ae5-9560-1e3c5f462baa>