



**Australian Government**

# **Assessment Requirements for MSL973024 Perform site investigation activities**

**Release: 1**

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## 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 MSL973012 Perform site investigation activities. 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:

- prepared for site investigations and safely and effectively performed 3 site sampling, testing and excavation/reinstatement tasks.
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## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- the basic concepts, purposes and principles of site investigation activities conducted as part of job role
- site safety and management rules, including safety induction, risk assessments, controlled entry/exit to site and required personal protective equipment (PPE)
- simple methods for identifying and classifying materials
- basic engineering properties of soil and rock materials and their use in engineering and construction
- basic principles of representative sampling and testing
- basic in situ testing methods relevant to job role
- common site problems:
  - caving in of excavation walls
  - drilling difficulties
  - sample loss during retrieval
  - knowing when to stop a hole, or what and when to test and sample
  - misidentification of samples and sampling locations
  - equipment breakdown and breakage

- environmental impacts of construction activities on wildlife, vegetation, waterways and inclement weather
- common site hazards
- minimising environmental impacts
- 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:
  - access to geotechnical and/or construction sites and relevant site documentation
  - workplace procedures, sampling plans, test methods and equipment manuals
  - consumables; hand tools; field sampling and test equipment, such as dynamic cone penetration (DCP) testing, standard penetration testing (SPT), shear vane, pocket penetrometer and water level indicator
  - excavation equipment, such as hand and power augers, powered excavators, generators and jack hammers
  - safety clothing and equipment, including helmets, boots, gloves, earmuffs and glasses.

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>