



Australian Government

Assessment Requirements for MSL975031 Supervise sampling, inspections and testing at construction sites

Release: 1

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Modification History

Release	Comments
Release 1	This version was released in <i>MSL Laboratory Operations Training Package Release 2.0</i>. Supersedes and equivalent to <i>MSL975007 Supervise sampling, inspections and testing at construction sites</i>. Prerequisite changed. Foundation skills added. Range of conditions removed. Assessment requirements amended.

Performance Evidence

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

- designed and effectively supervised at least 1 inspection, sampling and testing program in accordance with specifications
- safely directed sampling and testing in accordance with inspection and testing plans and remit of samples for testing as required.
- collaborated with the contractor in the placement of materials, such as soil, concrete and asphalt, at a construction site on at least 2 occasions.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- principles of planning and project management
- identification and classification of construction materials
- engineering properties of civil construction materials
- techniques and plant and equipment used in civil construction relevant to job role
- principles and purpose of test methods implemented (why they are used and what they demonstrate)
- in situ and laboratory test methods for construction materials relevant to job role
- roles and responsibilities for different levels of site supervision
- typical site problems and recommended corrective actions
- 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 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:
 - access to construction sites and relevant site documentation
 - workplace procedures, site plans, sampling and test methods/programs and equipment manuals
 - consumables; hand tools; field sampling equipment, such as moulds and coring equipment; and test equipment, such as nuclear moisture/density gauge, dynamic cone penetrometers and slumping equipment
 - levelling equipment (dumpy and automatic levels) and global positioning system (GPS)
 - still/video camera and communication equipment
 - 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>