



Australian Government

Assessment Requirements for MSL954007
Obtain representative samples in
accordance with sampling plan

Release: 1

Assessment Requirements for MSL954007 Obtain representative samples in accordance with sampling plan

Modification History

Release 1. Supersedes and is not equivalent to MSL954004 Obtain representative samples in accordance with sampling plan. Removal of element for sample preparation. Minor changes to Performance Criteria. Changes to Knowledge Evidence for clarity.

Performance Evidence

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

- obtained samples from at least 3 different sampling points, that are representative of the source material and taken in accordance with a sampling plan.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- principles of representative sampling, including:
 - representative samples
 - preservation of integrity of samples
 - maintaining identification of samples relative to their source, workplace and legal traceability
 - cost-effectiveness of sampling
 - consistency of sampling procedures
 - random, systematic and stratified sampling
- function of key sampling equipment and materials, and principles of operation
- characteristics of product and/or materials sampled as part of job role and likely contaminants
- methods to maintain the integrity of samples and when preservation may be needed
- maps and site plans
- quality control procedures for sampling including controls, background, duplicates and blanks
- sampling plans and/or inspection and test plans
- site and sampling hazards and the links between following WHS procedures and personal and environmental safety, particularly at high-risk sites
- workplace and legal traceability and chain of custody requirements
- environmental sustainability issues as they relate to the work task
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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:
 - source material
 - different sample types
 - sampling plans and procedures, sampling containers and sampling equipment
 - workplace procedures.

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>