



Australian Government

**Assessment Requirements for MSL954001
Obtain representative samples in
accordance with sampling plan**

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MSL954001A Obtain representative samples in accordance with sampling plan

Performance Evidence

Evidence of competence in this unit must satisfy all of the requirements of the elements and performance criteria, and include demonstration of:

- using a range of site sampling plans, samples and sampling procedures
- sampling from a range of sampling points and locations
- obtaining samples that are representative of the source material in accordance with a sampling plan on at least three (3) occasions
- obtaining at least three (3) different types of samples in accordance with sampling plans
- collecting the specified quantity of sample to enable all processing and testing to occur and back-up samples to be stored
- preparing samples for testing
- labelling samples and sub-samples and maintaining the integrity and security of samples following workplace and/or legal traceability requirements
- identifying atypical materials and samples and taking appropriate action
- maintaining sampling equipment in appropriate condition
- completing sampling records using workplace procedures
- following safety regulations and work health and safety (WHS) procedures during sampling, transport and storage
- following requirements for the disposal of waste and the preservation of the environment.

Knowledge Evidence

Must provide evidence that demonstrates 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
- sampling principles, including random, systematic and stratified sampling
- characteristics of product/materials sampled as part of job role and likely contaminants
- function of key sampling equipment/materials and principles of operation

- sampling procedures covering labelling, preparation, storage, transport and disposal, workplace and/or legal traceability requirements
- links between quality control, quality assurance, quality management systems and sampling procedures
- workplace procedures dealing with legislative requirements for the handling, labelling and transport of hazardous goods
- site and sampling hazards and the links between following WHS procedures and personal and environmental safety, particularly at high risk sites.

Assessment Conditions

- Judgement of competence must be based on holistic assessment of the evidence. Assessment methods must confirm consistency of performance over time, rather than a single assessment event.
- This unit of competency is to be assessed in the workplace or a simulated workplace environment. A simulated workplace environment must reflect realistic operational workplace conditions that cover all aspects of workplace performance, including the environment, task skills, task management skills, contingency management skills and job role environment skills.
- Foundation skills are integral to competent performance of the unit and should not be assessed separately.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
- Knowledge evidence may be collected concurrently with performance evidence or through an independent process, such as workbooks, written assessments or interviews (provided a record is kept in each case).
- This unit of competency may be assessed with:
 - MSL924001 Process and interpret data
 - MSL943002 Participate in laboratory or field workplace safety
 - relevant MSL974000 series units of competency
 - relevant MSL975000 series units of competency relevant to the sampling
- Holistic assessment methods include:
 - inspection of samples collected by the candidate
 - review of sampling documentation completed by the candidate
 - observation of the candidate taking and preparing a range of samples
 - feedback from peers, customers and supervisors that sampling plans were followed
 - questioning to assess required knowledge of representative sampling procedures.
- Access is required to instruments, equipment, materials, workplace documentation, procedures and specifications associated with this unit, including, but not limited to:
 - source material, including raw ingredients, product in process and final products
 - a variety of sample types, sampling plans and procedures, sampling containers and sampling equipment, and sample preparation materials and equipment.
- Assessors must satisfy the assessor competency requirements that are in place at the time of the assessment as set by the VET regulator.

- The assessor must demonstrate both technical competence and currency.
- Technical competence can be demonstrated through:
 - relevant VET or other qualification/Statement of Attainment AND/OR
 - relevant workplace experience.
- Currency can be demonstrated through:
 - performing the competency being assessed as part of current employment OR
 - having consulted with a laboratory about performing the competency being assessed within the last twelve months.

Links

Companion Volume implementation guides are found in VETNet -

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