



Australian Government

Assessment Requirements for MSL975052

Locate, record and collect forensic samples

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 MSL975024 Locate record and collect forensic samples. Range of conditions removed. Assessment requirements amended. Equivalent outcome.

Performance Evidence

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

- safely located, recorded, collected, packaged, transported and stored 3 different types of forensic samples and evidence, including:
 - using varied evidence and sample detection methods.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- terminology and principles of locating, recording, collecting, storing and transporting samples and evidence
- legislative, regulatory, policy, procedural and quality system requirements for the location, collection, preservation, security, continuity and disposal of samples and evidence (exhibits)
- potential limitations of own specialist knowledge and when to seek advice from other services
- services available to assist in the documenting, collection, preservation and continuity of forensic evidence and samples
- common reasons for collecting evidence and samples:
 - industrial accidents, fire and explosion, and disasters
 - criminal investigations
 - searches and evidence collection
 - contaminated sites
 - vehicle collisions and motor vehicles
- common sample collection methods:

- hand picking (including use of forceps and gloves)
- tape lifting
- sweeping and vacuuming
- swabbing
- liquid and solid sampling procedures
- common methods for recording the position of located evidence:
 - photographs
 - video
 - diagrams and sketches, hand written notes/documentation
 - computer data
 - global positioning system (GPS)
- common evidence and samples types:
 - any and all objects
 - development/enhancement/examination (such as use of poly light)
 - trace evidence examinations
 - biological samples, such as organs, hair, blood, semen and saliva
 - blood splatter patterns
 - clothing
 - documents
 - drugs
 - explosives
 - fibres
 - fingerprint development/enhancement/examination
 - fire debris
 - firearm and ammunition examinations
 - impressions
 - paint
 - petroleum products
 - powder residues
 - serial numbers
 - shoeprint and tyre marks
 - soils and minerals
 - toolmark examination
- conditions that effect packaging of samples:
 - physical nature of the evidence/sample
 - packaging medium
 - tamper evident seals
 - exhibit labels
 - drying of wet exhibits
 - storage temperature

- typical ways to maintain the integrity of samples:
 - use of appropriate sample containers (glass, plastic and opaque)
 - use of appropriate preservatives
 - wrapping container in foil to exclude light
 - temperature control, which may involve prevention of direct contact between the sample and coolant
 - use of appropriate equipment boxes (insulated, shockproof and waterproof)
 - restraint of containers to prevent movement
 - checking sample viability during transport while avoiding unnecessary handling
- principles and purpose of test methods implemented (why they are used and what they demonstrate)
- technological advances that include automation
- 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:
 - workplace procedures and standard methods
 - sample containers
 - containers for transporting samples.

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>