Assessment Requirements for MSL973013
Perform basic tests

Release: 1
Assessment Requirements for MSL973013 Perform basic tests

Modification History

<table>
<thead>
<tr>
<th>Release</th>
<th>Comments</th>
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<tbody>
<tr>
<td>Release 1</td>
<td>This version was released in <em>MSL Laboratory Operations Training Package Release 2.0.</em></td>
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<tr>
<td></td>
<td>Supersedes and equivalent to MSL973001 Perform basic tests.</td>
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<tr>
<td></td>
<td>Foundation skills information added. Range of conditions removed.</td>
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<tr>
<td></td>
<td>Assessment requirements amended.</td>
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Performance Evidence

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

- prepared samples using different processes
- performed at least 3 basic tests or measurements using standard methods and procedures.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- concepts of metrology, including:
  - all measurements are estimates
  - measurements belong to a population of measurements of the measured parameters
  - precision, accuracy and significant figures
  - sources of error, uncertainty and repeatability
  - traceability
  - international system of units (SI)
  - purpose of tests performed as part of job role and principles of the standard methods/specifications used
  - sample preparation processes relevant to job role
  - typical basic tests and methods relevant to job role
  - measurements used for typical tests
  - function of key components of the test equipment, pre-use equipment and safety checks
  - sources of uncertainty in measurement and methods for control
  - workplace and/or legal traceability requirements
  - interpretation and recording of test result, including simple calculations
  - procedures for recognising and reporting of unexpected or unusual results
  - 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:
  - a standard laboratory equipped with basic test equipment, common measuring instruments, materials, standard methods, workplace procedures, SDS and equipment manuals.

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