



Australian Government

Assessment Requirements for MSL922002

Record and present data

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MSL922001 Record and present data. Minor changes to Performance Criteria. Range of Conditions removed with small amount of information added to Knowledge Evidence. Performance Evidence significantly reworked for improved clarity and to remove examples. Minor wording changes to Knowledge Evidence.

Performance Evidence

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

- accurately coded, checked, recorded and stored data in the required format
- performed each of the following calculations involving scientific quantities at least once, with or without a calculator or computer software:
 - decimals
 - fractions
 - ratios
 - proportions
 - percentages
 - unit conversion, multiples and submultiples
 - use of significant figures, rounding off, estimation and approximation
 - substitution of data in formulae
- performed at least 4 of the following calculations:
 - dimensions
 - basic trigonometry
 - concentration
 - enumeration of microbiological organisms
 - percentage content
 - food properties
 - statistical values
- prepared 1 table by hand or using computer software
- prepared 1 graph or chart of data by hand or by using computer software
- recognised obvious features and trends in data, including:
 - maximum and minimum values
 - spread of data
 - increasing/decreasing data, rate of change
 - outliers, data beyond control limits or normal range.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- basic measurement concepts, including repeatability, precision, accuracy and significant figures
- the international system of units (SI)
- scientific quantities and calculations relevant to job role
- workplace procedures for:
 - coding, entering, storing, retrieving and communicating data
 - verifying data and rectifying mistakes
 - maintaining and filing records, and security of data.
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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:
 - data sets and records
 - calculator, computer and relevant software or laboratory information management system
 - 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>