



Australian Government

MSL924006 Use laboratory application software

Release: 1

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Modification History

Release 1. Supersedes and equivalent to MSL924004 Use laboratory application software. Wording broadened to allow for use of digital devices other than computers. Changes to Performance Criteria, including reworking of Element 3 and adjustments to various sections to reflect appropriate level of skills. Changes to Knowledge Evidence to better tailor information to a laboratory context.

Application

This unit of competency describes the skills and knowledge to use enterprise laboratory-specific software such as laboratory information management systems, quality information management systems, laboratory instrument software, middleware and quality control data management systems.

This unit of competency applies to technical officers and laboratory technicians in all industry sectors. It describes the use of software packages for the storage, retrieval, analysis and display of data and/or information. There is no expectation that candidates would be able to customise the software to meet specific needs.

No licensing or certification requirements exist at the time of publication. However, regulations and/or external accreditation requirements for laboratory operations exist, so local requirements should be checked. Relevant legislation, industry standards and codes of practice within Australia must also be applied.

Pre-requisite Unit

Nil.

Competency Field

Data

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Access application software	1.1 Identify software required for the task 1.2 Open software from digital device using required log in details 1.3 Use information sources to locate details of software features and instructions for its use

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
2. Use software for specified purposes	2.1 Follow software procedures to generate or input scientific data into a computing system 2.2 Use search functions for the retrieval of required data 2.3 Select or export data for numerical and graphical analyses/visualisation using software features to achieve required outcome 2.4 Use application features for efficient computation
3. Produce reports of retrieved data and/or processed data	3.1 Generate report containing required data using features of the software package 3.2 Prepare report for distribution by ensuring it is accurate and complete 3.3 Maintain data in accordance with workplace procedures.

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

- Problem-solving skills to refine searches to retrieve data.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Supersedes and is equivalent to MSL9240024 Use laboratory application software.

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>

Assessment Requirements for MSL924006 Use laboratory application software

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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:

- effectively used the most appropriate software to generate reports for 2 different sets of laboratory or field data and information.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- terminology associated with the software packages used in job role
- types of laboratory application software
- application of specific software package features to laboratory tasks relevant to job role
- relationship between the protocol for data input and file storage of the data
- general file and record maintenance
- importance of antivirus software
- principle and purpose of digital footprints and implications of using the login of someone else
- confidentiality procedures
- legal, ethical and work health and safety (WHS) requirements specific 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:
 - computer or other digital device
 - software packages or simulated software packages
 - input and output data.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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