

Title	Use a laboratory information management system		
Level	4	Credits	2

Purpose	People credited with this unit standard are able to: acquire and input data into a LIMS from production samples or a simulated scenario; use functionalities of a LIMS; and evaluate the report produced by LIMS for a project.
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Classification	Science > Science - Core
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Available grade	Achieved
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Guidance Information

Glossary

Laboratory information management system (LIMS) refers to a software system used in laboratories for the management of samples, laboratory users, instruments, standards and other laboratory functions.

Data refers to results of individual tests carried out in a laboratory on a materials quality. This may be from production samples or a simulated scenario.

Laboratory procedures refer to documented systems or processes of operation, which may be found in a Standard Operating Procedures manual, quality management system or protocol system documentation. These procedures are external and/or internal laboratory requirements governing laboratory work.

Outcomes and performance criteria

Outcome 1

Acquire and input data into a LIMS from production samples or a simulated scenario.

Performance criteria

1.1 A project is set up in a LIMS in accordance with laboratory procedures.

Range includes but not limited to – name, sample identification, analytical tests required, customer contact details, reference identification, project dates.

1.2 Data is collected and entered into a LIMS in accordance with laboratory procedures.

Range three sets of data for three different test procedures.

Outcome 2

Use functionalities of a LIMS for a project.

Performance criteria

- 2.1 LIMS functionally is used to trace the progress of a project in accordance with laboratory procedures.

Range may include – test results, traceability, data handling, workflow, quality control steps, sample information entry, test selection, data entry check procedures, authorisation/ test result approval levels, test report checking; evidence of three is required.

Outcome 3

Evaluate the report produced by LIMS for a project.

Performance criteria

- 3.1 Report is evaluated for validity/accuracy in terms of the project requirements.

Range report includes – comparative analysis with specifications that include expected values.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 June 2010	31 December 2014
Revision	2	17 June 2011	31 December 2025
Rollover	3	27 January 2015	31 December 2025
Review	4	27 September 2018	31 December 2025
Review	5	30 November 2023	31 December 2025

Consent and Moderation Requirements (CMR) reference

0113

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.