

<b>Title</b>	<b>Use a laboratory information management system</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>2</b>

<b>Purpose</b>	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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<b>Classification</b>	Science > Science - Core
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<b>Available grade</b>	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.

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## 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.

<b>Planned review date</b>	31 December 2023
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**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	N/A
Rollover	3	27 January 2015	N/A
Review	4	27 September 2018	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0113
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact NZQA National Qualifications Services [nqs@nzqa.govt.nz](mailto:nqs@nzqa.govt.nz) if you wish to suggest changes to the content of this unit standard.