

Title	Set up, check calibration and maintain surveying equipment		
Level	4	Credits	15

Purpose	People credited with this unit standard are able to: set up; check calibration; and maintain and store, surveying equipment.
----------------	--

Classification	Surveying > Survey Practice
-----------------------	-----------------------------

Available grade	Achieved
------------------------	----------

Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with relevant legislative and industry requirements.
- 2 Legislation relevant to this unit standard includes: Health and Safety at Work Act 2015; and any subsequent amendments.
- 3 Definitions
Calibration refers to basic surveying checks.
Industry requirements may refer to but are not limited to relevant company policies, processes, methodologies, industry codes of practice, standard operating procedures, site safety plans, quality plans, work plans, job instructions, and manufacturer's requirements.

Outcomes and performance criteria

Outcome 1

Set up surveying equipment.

Performance criteria

- 1.1 Tripod and target are set up over a mark.
- 1.2 Tripod and instrument (total station) are set up over a mark.
- 1.3 Tripod and level are set up.
- 1.4 Survey pole and levelling staff are positioned.

Outcome 2

Check calibration of surveying equipment.

Performance criteria

- 2.1 Two peg level test is undertaken, and error reported.
- 2.2 Collimation errors are identified, recorded and reported.
- 2.3 Optical plummet and pole bubbles are checked and reported.

Outcome 3

Maintain and store surveying equipment.

Performance criteria

- 3.1 Surveying equipment is maintained.
- Range maintenance includes – tripod stability, cleaning and drying gear, tool maintenance.
- 3.2 Equipment and survey accessories are packed and stored appropriately.
- Range office, in-transit, field.
- 3.3 Inventory of equipment, accessories and consumables is undertaken.

Planned review date	31 December 2025
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	21 April 2016	31 December 2018
Revision	2	31 May 2018	31 December 2022
Review	3	25 February 2021	N/A

Consent and Moderation Requirements (CMR) reference	0101
--	------

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

Comments on this unit standard

Please contact Connexis - Infrastructure Industry Training Organisation qualifications@infrastructureito.org.nz if you wish to suggest changes to the content of this unit standard.