

Title	Scale export logs using an export scaling method		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to: describe log scaling methods and procedures used for export scaling; identify and explain export log grades, scale export logs; and carry out data collection and auditing for export scaling.
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Classification	Forestry > Forest Mensuration
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Available grade	Achieved
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Guidance Information

- 1 Legislation relevant to this unit standard includes the Health and Safety at Work (HSW) Act 2015; the Resource Management (National Environmental Standards for Plantation Forestry) Amendment Regulations 2018; and any subsequent amendments.
- 2 References
Approved Code of Practice (ACOP) for Safety and Health in Forestry Operations, December 2012, available from <https://worksafe.govt.nz/>.
 New Zealand Forest Owners Association, *Forest Practice Guides* (2019), and any subsequent amendments, available from <https://www.nzfoa.org.nz>.
- 3 The reference text for this unit is: *Practical Log Scaling Guide*, Ellis, J. C. and Crawley, D. available from C3, PO Box 12501, Tauranga or info@scaling.co.nz.
- 4 Definitions
Accepted industry practice refers to approved codes of practice and standardised procedures accepted by the wider forestry industry as examples of best practice.
Worksite procedures refer to documented procedures used by the organisation carrying out the work and applicable to the tasks being carried out. They may include but are not limited to – standard operating procedures, site safety procedures, equipment operating procedures, quality assurance procedures, housekeeping standards, procedures to comply with legislative and local body requirements.
- 5 Assessment information
 This unit standard must be assessed on-job.
 All activities and evidence must meet worksite procedures and accepted industry practice.

Outcomes and performance criteria

Outcome 1

Describe log scaling methods and procedures used for export scaling.

Performance criteria

1.1 Measurement methods are described.

Range Japanese Agricultural Standard (JAS), Japan Brereton, small end diameter (SED), length.

1.2 Scaling procedures for rule and tape placement, and their interpretation are explained where log shape deviates.

Range out of round log end, the smallest log diameter is not the SED.

Outcome 2

Identify and explain export log grades.

Performance criteria

2.1 Features of export log grades are identified and explained.

Range knot size, sweep, small end diameter, large end diameter, length, wobble, kink, out of round, fluting, off centre pith, pruned logs, unpruned logs, damage.

2.2 Export, pruned, industrial, and pulp grades are identified in accordance with operational requirements.

Outcome 3

Scale export logs.

Performance criteria

3.1 The hazards and associated risks specific to log scaling are identified and managed on job.

3.2 Equipment is calibrated.

3.3 Load docket is verified.

3.4 Out of specification logs are identified for re-grading or re-cutting in accordance with customer requirements.

3.5 Parcel of logs is tallied, and large and small ends are verified.

- 3.6 Scaled loads are labelled and marked to requirement of customer or employing company.
- 3.7 Work quality is checked to meet the requirements of the operation.
Range production output, quality.

Outcome 4

Carry out data collection and auditing for export scaling.

Performance criteria

- 4.1 Load data is collected and checked for accuracy.
- 4.2 Log inventory is audited at each stage of the marshalling process.

Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	8 November 1996	31 December 2017
Revision	2	19 June 1998	31 December 2017
Review	3	5 December 2000	31 December 2017
Review	4	22 May 2008	31 December 2017
Review	5	10 December 2015	N/A
Review	6	25 June 2020	N/A

Consent and Moderation Requirements (CMR) reference	0173
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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 Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.