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|--------------|------------------------------------|----------------|-----------|
| <b>Title</b> | <b>Fleet, sort, and stack logs</b> |                |           |
| <b>Level</b> | <b>4</b>                           | <b>Credits</b> | <b>15</b> |

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| <b>Purpose</b> | People credited with this unit standard are able to: prepare for fleting, sorting, and stacking logs; demonstrate knowledge of health and safety requirements to fleet, sort and stack logs; and fleet, sort, and stack logs. |
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| <b>Classification</b> | Forestry > Machine Operations - Forestry |
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| <b>Available grade</b> | Achieved |
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| <b>Prerequisites</b> | One of – Unit 6928, <i>Operate a Bell machine in a forest or a log yard</i> ; Unit 6930, <i>Operate a forked loader in a forest or a log yard</i> ; Unit 6935, <i>Operate an excavator based tracked machine in a forestry operation</i> ; or demonstrate equivalent knowledge and skills. |
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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 Definitions  
*Accepted industry practice* refers to approved codes of practice and standardised procedures accepted by the wider forestry industry as examples of best practice.  
*PPE* refers to personal protective equipment and may include but is not limited to high-visibility, protective clothing, gloves, face and eye protection, safety helmet, footwear, hearing protection, and safety devices.  
*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.

#### 4 Assessment information

This unit standard must be assessed on-job.

All activities and evidence must meet worksite procedures and accepted industry practice.

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## Outcomes and performance criteria

### Outcome 1

Prepare for fleeting, sorting, and stacking logs.

#### Performance criteria

- 1.1 PPE is worn.
- 1.2 Machine capability is described in relation to sizes of logs to be handled in accordance with manufacturer's recommendations.
- 1.3 Safe areas are identified clear of any work activity for chainsaw maintenance and refuelling, parking of workers' transport, and rest facilities.
- 1.4 Job prescription and customer requirements relating to grades, specifications, and marking are explained.

### Outcome 2

Demonstrate knowledge of health and safety requirements to fleet, sort and stack logs.

#### Performance criteria

- 2.1 The hazards and associated risks specific to fleeting, sorting, and stacking logs are identified and managed.
- 2.2 The reason for on-going hazard and risk identification is explained.
- 2.3 Factors that may change hazards or introduce new hazards or risks are described.  
  
Range weather, change of landing layout, change of location.

### Outcome 3

Fleet, sort, and stack logs.

#### Performance criteria

- 3.1 Log sorts are identified, and stacks located in accordance with operational requirements.  
  
Range clear of other operations, room to manoeuvre, load out area, access to predominant grades, safety.

3.2 Log stacks are built by grade in accordance with log specifications, cutting instructions, and operational requirements.

Range logs are placed evenly, stacks are stable and regular, log age.

3.3 Logs are moved safely within the operating capability of machine.

Range clear path of travel, swing and movement of suspended logs, logs evenly balanced, turning radius when carrying logs, proximity of other workers and machinery, designated safety zones.

3.4 Damage to logs is minimised.

3.5 Machine is positioned for effective uplift and log placement.

Range stability of machine, positioning of grapple or forks.

3.6 Out of specification logs are left for further processing or re-sorted as required by worksite procedures.

3.7 Communication is maintained with other workers.

3.8 Fleeting and sorting area is maintained free of debris to suit operational requirements.

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| <b>Planned review date</b> | 31 December 2028 |
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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 2012         |
| Revision     | 2       | 19 June 1998    | 31 December 2012         |
| Review       | 3       | 5 December 2000 | 31 December 2012         |
| Review       | 4       | 22 May 2008     | 31 December 2016         |
| Review       | 5       | 19 March 2015   | N/A                      |
| Review       | 6       | 25 June 2020    | N/A                      |
| Rollover     | 7       | 26 April 2024   | N/A                      |

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| <b>Consent and Moderation Requirements (CMR) reference</b> | 0173 |
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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**Comments on this unit standard**

Please contact Muka Tangata - People, Food and Fibre Workforce Development Council [qualifications@mukatangata.nz](mailto:qualifications@mukatangata.nz) if you wish to suggest changes to the content of this unit standard.