

<b>Title</b>	<b>Reclaim and convey wood chips</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to: demonstrate knowledge of the fundamentals of a reclaiming and conveying system; operate and maintain a reclaiming and conveying system; and monitor and control the performance of a reclaiming and conveying system.
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<b>Classification</b>	Wood Handling and Distribution > Wood Preparation
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation  
Health and Safety at Work Act 2015.  
Resource Management Act 1991.
- 2 Definitions  
*Accepted industry practice* refers to approved codes of practice and standardised procedures accepted by the wider wood handling and distribution industry as examples of best practice.  
*Corrective action* refers to actions such as communication to management, communication to on-site technical person, communication to off-site technical support person, cleaning, communication with maintenance staff, recalibration, or changes made to the operating system in accordance with workplace procedures.  
*Workplace procedures* refer to documented policies and procedures set by the organisation carrying out the work, and to documented or other directions provided to staff, and applicable to the tasks being carried out. They may include but are not limited to – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, references, approved codes of practice, housekeeping standards, environmental considerations, on-site briefings, supervisor’s instructions, and procedures to comply with legislative and local body requirements relevant to the wood handling and distribution sector.
- 3 Assessment information  
All activities and evidence must meet workplace procedures and accepted industry practice.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of the fundamentals of a reclaiming and conveying system.

#### Performance criteria

- 1.1 Purpose of storing different chip types separately is explained in terms of end use and customer specifications.
- 1.2 Components of a reclaiming and conveying system are identified and their role and operation is explained.
- Range components may include but are not limited to – blower systems, conveyors, belts, screws, drag chains, hoppers, controls, mobile plant.
- 1.3 Operating capabilities and capacity of a reclaiming and conveying system are explained.
- 1.4 Hazards associated with reclaiming and conveying are identified, and actions to be taken to manage the hazard are described.
- Range hazards may include but are not limited to – dust, noise, moving plant.
- 1.5 Consequences of non-conformance with quality standards are described.
- 1.6 Roles and responsibilities of the reclaiming and conveying system operator are described.

### Outcome 2

Operate and maintain a reclaiming and conveying system.

#### Performance criteria

- 2.1 Safe work practices associated with operating and maintaining a reclaiming and conveying system are applied.
- Range practices may include but are not limited to – isolation procedures, lock outs, emergency stops, machine guarding, wearing appropriate safety equipment.
- 2.2 Reclaiming and conveying system is set up, started, operated, and shut down.
- 2.3 Preventative maintenance and cleaning requirements for the reclaiming and conveying system are carried out.

**Outcome 3**

Monitor and control the performance of a reclaiming and conveying system.

**Performance criteria**

3.1 Product quality, plant efficiency, process, and legislative requirements are maintained by monitoring and interpreting feedback information and adjusting control parameters.

Range product quality – volume, wood type, wood age.

3.2 Equipment faults and malfunctions are identified, and corrective action is taken.

Range equipment faults and malfunctions – mechanical, electrical.

3.3 Production rate is maintained to avoid machine overload.

3.4 Production, maintenance, and quality records are explained and completed.

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	22 February 1995	31 December 2020
Revision	2	27 January 1997	31 December 2020
Review	3	25 February 1999	31 December 2020
Review	4	18 December 2006	N/A
Review	5	28 May 2020	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0013
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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](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.