

Title	Demonstrate knowledge of pulp, and paper products produced in New Zealand pulp and paper making industries		
Level	3	Credits	4

Purpose	People credited with this unit standard are able to demonstrate knowledge of: pulp products produced in the New Zealand pulp making industry, and paper products produced in the New Zealand paper making industry.
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Classification	Wood Fibre Manufacturing > Pulp and Paper Technology
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Available grade	Achieved
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Guidance Information

1 Definition

Worksite documentation refers to organisation policies and procedures that are documented in memo, electronic, or manual format and available in the workplace, and are consistent with manufacturer's requirements. 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, sustainability, on-site briefings, supervisor's instructions, and procedures to comply with legislative and local body requirements relevant to the pulp and paper industry.

2 Assessment information

Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable service information, worksite documentation and legislative requirements. This includes the knowledge and use of suitable tools and equipment.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of pulp products produced in the New Zealand pulp making industry.

Performance criteria

1.1 Pulp products are identified and their manufacture is described.

Range refiner mechanical, semi-chemical, kraft.

- 1.2 Defining characteristics of pulp products are described.
- Range refiner mechanical, and semi-chemical pulp characteristics – freeness, shive level, brightness; kraft pulp characteristics – brightness, kappa number, shive levels.
- 1.3 Pulp products are matched with paper products and reasons for the match are explained in terms of paper product performance.
- Range refiner mechanical, semi-chemical, kraft.

Outcome 2

Demonstrate knowledge of paper products produced in the New Zealand paper making industry.

Performance criteria

- 2.1 Paper grades are identified and differences in their manufacture are described.
- Range newsprint, packaging, linerboard, tissue, corrugating medium, cartonboard.
- 2.2 Paper properties are described and matched with paper products and the match is explained to highlight the importance of the properties to the paper product performance.
- Range paper properties – opacity, ink absorption rate, wet strength, formation, tear, tensile, stretch, softness, water absorbency, curl, printability, plybond, edge crush; paper products – newsprint, packaging, linerboard, tissue, cartonboard, corrugating medium.

Planned review date	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	30 November 2000	31 December 2024
Review	2	18 December 2006	31 December 2024
Review	3	24 October 2014	31 December 2025
Review	4	30 November 2023	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 Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.