

Title	Explain fundamentals of paper finishing		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to: explain fundamentals of paper winding, and identify and explain paper structure and quality problems related to finishing and end use.
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Classification	Wood Fibre Manufacturing > Pulp and Paper Technology
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Available grade	Achieved
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Explanatory notes

All evidence requirements must be demonstrated and assessed in accordance with the reference text: *Explain fundamentals of paper finishing* published by Competenz and available from Competenz at <http://www.competenz.org.nz/>, or Competenz, PO Box 9005, Newmarket, Auckland 1149.

Outcomes and evidence requirements

Outcome 1

Explain fundamentals of paper winding.

Evidence requirements

- 1.1 Purpose of winding paper is described in terms of customer requirements and end use.
- 1.2 Winder system components are identified and their functions are explained.
- Range components – parent roll, unwind stand, lead roll, spreader bars, slitter band roll, slitter, rider roll, reel eject bar, winder drums, reel lowering table, tension control programme, rider roll relief system, winder drum torque differential.
- 1.3 Factors influencing paper reel structure are explained.
- Range web tension, rider roll relief, winder drum torque differential.

- 1.4 Faults caused by incorrect winding operation are identified and their remedies are explained.

Range level, edges, holes, starring, soft reels, dishing, run in, steps, bursts, creases, protruding and recessed cores, pinched (crushed) cores, rough slit, reel bounce.

Outcome 2

Identify and explain paper structure and quality problems related to finishing and end use.

Evidence requirements

- 2.1 Differences between surface and edge dust are compared in terms of impact on the end user.
- 2.2 Causes of surface and edge dust are identified and remedies are explained.
- 2.3 Types of paper curl are identified and their causes are explained.
- 2.4 Impacts of paper curl on final customer operations are described.

Planned review date	31 December 2019
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Status information and last date for assessment for superseded versions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	N/A
Review	2	18 December 2006	N/A
Review	3	24 October 2014	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>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The

CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

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.