

Title	Monitor the textile carding process and record remedial actions for identified carding quality problems		
Level	3	Credits	15

Purpose	People credited with this unit standard are able to: monitor and record events at the feed section of a card; inspect belts, chains and drives on a stationary carding machine under supervision; monitor and record carding process conditions; and identify and explain carding related quality problems occurring during manufacturing, or in finished product, and propose remedial action.
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Classification	Textiles Manufacture > Core Yarn Processing
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Available grade	Achieved
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Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to the Health and Safety at Work Act 2015.
- 2 Definition
Workplace procedures – procedures used by the organisation carrying out the work and applicable to the tasks being carried out. Examples are – standard operating procedures, site safety procedures, equipment operating procedures, codes of practice, quality management practices and standards, and procedures to comply with legislative and local body requirements.
- 3 Assessment guidance
Competence is intended to be demonstrated on a card or cards used in the candidate’s workplace.
- 4 Assessment information
All evidence must be in accordance with workplace procedures.

Outcomes and performance criteria

Outcome 1

Monitor and record events at the feed section of a card.

Range three different products.

Performance criteria

- 1.1 Feed weights are monitored and recorded.
- 1.2 Changes to the feed process are recorded and explained.
- 1.3 Problems identified in the feed system and feed process are recorded and remedial actions documented.

Outcome 2

Inspect belts, chains and drives on a stationary carding machine and report findings and recommended action.

Performance criteria

- 2.1 Findings on relevant aspects of the belts, chains and drives are recorded.

Range examples are – physical condition, tension, alignment and/or other factors depending on the type of machine; three aspects.
- 2.2 Actions required or taken are documented and reported.

Outcome 3

Monitor and record carding process conditions.

Range oil content and moisture content on three process batches.

Performance criteria

- 3.1 Samples are taken at the same time from different sections of the card.

Range for woollen carding samples may be taken from the feed, intermediate sliver and condensed slubbing; for semi-worsted carding samples may be taken from the feed and the output sliver.
- 3.2 Samples are tested.
- 3.3 Sampling and testing is repeated at appropriate intervals for the batch size and product being processed.
- 3.4 Recorded results are analysed and reported on.
- 3.5 Remedial actions are recommended where recorded results indicate need.

Outcome 4

Identify and explain carding related quality problems occurring during manufacturing, or in finished product, and propose remedial action.

Range five different problems that have occurred within the plant.

Performance criteria

- 4.1 Symptoms that enable identification of the problem are described.
- 4.2 The impact of the problem on further processing or on finished product is explained.
- 4.3 Remedial action proposed is appropriate.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	20 November 2009	31 December 2019
Review	2	19 May 2016	31 December 2023
Review	3	24 March 2022	31 December 2023

Consent and Moderation Requirements (CMR) reference	0030
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.