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| Title | Wind yarn | | |
| Level | 2 | Credits | 5 |

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| Purpose | People credited with this unit standard are able to: demonstrate knowledge of the winding machine; prepare and operate a winding machine; identify and fix operational and product faults; and clean winding machine and work area. |
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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 Range
Winding equipment may include – hank to package or package to package winding with manual or automatic doffing.
- 4 Assessment guidance
Competence is intended to be demonstrated on the type of winding equipment installed in the candidates' workplace.
- 5 Assessment information
All evidence must be in accordance with workplace procedures.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of the winding machine.

Performance criteria

1.1 The function and operation of the winding machine components are described.

Range machine controls, creel or expander, tension devices, yarn clearers, winding head, take-up package waxing and conditioning equipment, length measurement.

Outcome 2

Prepare and operate a winding machine.

Performance criteria

2.1 Machine is operated.

2.2 Winding machine is prepared for operation.

Range yarn identified, creel, carousel or expander loaded, thread up, take-up package in place.

2.3 Yarn is wound.

Range creel or expander maintained, full packages doffed, end breaks mended.

2.4 Yarn joins are made.

Range would normally include – knot, splice.

2.5 Production is handled and records are kept.

2.6 Test samples are taken.

Outcome 3

Identify and fix operational and product faults.

Performance criteria

3.1 Corrective action is taken to rectify yarn faults identified during processing.

Range yarn breaks, thick and thin, yarn appearance, package build and density, contamination.

3.2 Winding machine malfunction is identified and corrective action taken.

Outcome 4

Clean winding machine and work area.

Performance criteria

- 4.1 Machine and work area are kept clear of fibre and waste to prevent contamination.
- 4.2 Winding machine is cleaned at batch end and/or periodically.
- 4.3 Waste is collected and sorted for recycling.

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 | 18 June 1995 | 31 December 2019 |
| Revision | 2 | 8 August 1997 | 31 December 2019 |
| Revision | 3 | 18 July 2000 | 31 December 2019 |
| Revision | 4 | 10 October 2001 | 31 December 2019 |
| Revision | 5 | 12 August 2004 | 31 December 2019 |
| Rollover and Revision | 6 | 26 March 2007 | 31 December 2019 |
| Review | 7 | 23 April 2008 | 31 December 2019 |
| Review | 8 | 19 May 2016 | 31 December 2023 |
| Review | 9 | 24 March 2022 | 31 December 2023 |

Consent and Moderation Requirements (CMR) reference

0030

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.