



Australian Government

MSTTX2006 Undertake carding operations

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to LMTTX2019B Undertake carding operations

Application

This unit of competency covers the skills and knowledge required to undertake carding operations to process fibres for spinning operations or non-woven web forming operations.

The unit of competency applies to the preparation, operation, monitoring and adjusting of carding machines and equipment used to process fibres. Fibres may be natural or synthetic to be used in woven, knitted, tufted and non-woven products.

Work is conducted according to defined procedures. Work may be conducted in small to large scale enterprises and may involve individual and team activities.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Competency Field

Textile production

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1	Determine job requirements	1.1	Follow standard operating procedures (SOPs)
		1.2	Comply with work health and safety (WHS) requirements at all times
		1.3	Use appropriate personal protective equipment (PPE) in accordance with SOPs
		1.4	Identify job requirements from specifications, drawings, job sheets or work instructions

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|---|--|-----|--|
| 2 | Prepare for carding | 2.1 | Check production specifications to identify requirements for carding |
| | | 2.2 | Receive fibres and set up for loading into feed sheet |
| | | 2.3 | Set carding machine for operation and clean area around machine during and on completion of setting and loading |
| | | 2.4 | Report non-conforming materials |
| | | | |
| 3 | Operate and monitor carding machine | 3.1 | Start and stop carding machine according to manufacturer requirements and monitor to ensure correct operation and workplace procedures |
| | | 3.2 | Monitor blending to ensure blending consistency and feed uniformity |
| | | 3.3 | Monitor carding operation to ensure correct feed rate and quality of web offtake |
| | | 3.4 | Sort waste and apply environmental requirements |
| | | 3.5 | Identify and correct minor faults, where necessary, to meet specified requirements, and report major machine faults |
| | | | |
| 4 | Complete carding operations | 4.1 | Check carded fibres against quality standards |
| | | 4.2 | Unload or remove carded fibres according to manufacturer specifications and workplace procedures |
| | | 4.3 | Send carded fibres for despatch or further processing. |
| | | 4.4 | Clean and maintain work environment according to workplace procedures |
| | | 4.5 | Complete production records and other documentation, as required |

Foundation Skills

This section describes those required skills (language, literacy and numeracy) that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

- Workplace procedures include one or more of the following:**
- requirements prescribed by legislation, awards, agreements and conditions of employment
 - SOPs
 - work instructions
 - PPE
 - oral, written and visual communication
 - quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output
 - housekeeping
 - tasks related to environmental protection, waste disposal, pollution control and recycling
 - WHS practices

- Australian Standards include:**
- the relevant industry or Australian Standards that are current at the time this unit is being undertaken

- Machines and equipment for carding include one or more of the following:**
- burr handling systems
 - air filtration equipment
 - carding machine
 - doffer waste system
 - blending systems
 - compressed air

- Waste includes one or more of the following:**
- processed burr
 - contaminants
 - processed sweepings
 - machine waste

Unit Mapping Information

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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>