



Australian Government

MSTTX2011 Perform wool processing machine setting

Release: 1

MSTTX2011 Perform wool processing machine setting

Modification History

Release 1. Supersedes and is equivalent to LMTEW2014A Perform machine setting and operational maintenance.

Application

This unit of competency describes the skills and knowledge required to set machines for product changes, reset them after general fibre related stoppages, and perform minor maintenance of machinery.

Work may be conducted in small to large scale workplaces and may involve individual and team activities. Work is performed within defined procedures by employees operating machinery used to process wool. It may also involve supervision of a production section of an operation and may involve responsibility for a number of employees operating wool processing machinery.

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

Pre-requisite Unit

N/A

Unit Sector

Textile production

Elements and Performance Criteria

Elements		Performance Criteria	
Elements describe the essential outcomes.		Performance criteria describe the performance needed to demonstrate achievement of the element.	
1	Set machine	1.1	Determine job requirements from work instructions and job specifications
		1.2	Identify work health and safety (WHS) requirements, including required personal protective equipment (PPE)
		1.3	Clean and set machine according to raw material and product specifications, and machine manufacturer and workplace procedures
		1.4	Start machine and ensure correct machine operation

Elements		Performance Criteria	
		1.5	Conduct trial runs according to identified requirements
		1.6	Check sample conforms to requirements, and adjust settings until sample meets specifications
		1.7	Clean and maintain work area around machine or equipment to meet workplace requirements
2	Rectify machine operating problems	2.1	Use diagnostic procedures and tests to locate and identify machine faults
		2.2	Rectify machine operating problems using appropriate hand tools and measuring equipment
		2.3	Identify and report major problems in operation of machine to supervisor
		2.4	Identify and adjust or repair minor problems, within own skill level and scope of own role
		2.5	Apply environmental requirements and waste management procedures for safe disposal and recycling of waste
3	Communicate production information	3.1	Document setting records and maintenance work according to workplace procedures
		3.2	Interpret information about production status and problems from other operators, shifts and supervisory personnel
		3.3	Communicate information regarding production status and problems to other operators and supervisory personnel

Foundation Skills

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria of this unit of competency.

- Reading skills to interpret work instructions, product specifications and standard operating procedures
- Numeracy skills to set machine operating parameters

- Self-management skills to complete work systematically with attention to detail, and without damage to goods and equipment

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTEW2014A Perform machine setting and operational maintenance.

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for MSTTX2011 Perform wool processing machine setting

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- set up a wool processing machine on at least two occasions, including:
 - for a product change
 - after operational maintenance.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- wool processing machines and associated equipment for:
 - blending and carding
 - combing
 - gilling
 - finishing
 - bale pressing
 - scouring
 - superwash
 - backwash
 - carbonising
- operating principles of wool processing machines and associated equipment
- types of machine controls:
 - electronic
 - computer
 - mechanical
 - hydraulic
 - pneumatic
 - electrical
- technical specifications and location of repair manuals for specified machines
- wool processing machine settings and adjustment requirements
- typical fault conditions and relevant fault finding procedures
- maintenance and repair processes and techniques

- workplace procedures and maintenance planning
- waste management procedures relating to machine operation
- product quality standards
- legal, ethical and work health and safety (WHS) requirements specific to the work tasks, including those relating to selecting and using personal protective equipment (PPE)
- general housekeeping policies and procedures, including cleaning agents and equipment used in machine setting activities.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - a workplace set up with equipment for processing wool
 - safety equipment, including PPE
 - standard operating procedures
- modelling of industry operating conditions, including product specifications and materials for processing.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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