



Australian Government

MSTTX3013 Perform wool processing operations

Release: 1

MSTTX3013 Perform wool processing operations

Modification History

Release 1. New unit. Supersedes and is not equivalent to:

- LMTEW2001A Blend and open greasy wool
- LMTEW2002A Press and dump wool
- LMTEW2004A Perform wool combing
- LMTEW2005A Perform wool preparation using gilling machines
- LMTEW2006A Perform wool finishing
- LMTEW2007A Perform wool pressing operations
- LMTEW2008A Perform wool backwash process
- LMTEW2009A Perform wool scouring
- LMTEW2010A Perform wool carbonising
- LMTEW2011A Perform wool superwash
- LMTEW2013A Perform wool grease recovery and monitor waste disposal.

Application

This unit of competency describes the skills and knowledge required to set up and operate machines used for wool processing.

Work may be conducted in small to large scale workplaces and may involve individual and team activities. Work is performed by employees operating and maintaining one or more machines required for wool processing according to defined procedures. 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.	Determine job requirements	1.1	Identify job requirements from specifications, job sheets and work instructions
		1.2	Locate and follow standard operating procedures (SOPs)
		1.3	Identify work health and safety (WHS) requirements, including required personal protective equipment (PPE)
		1.4	Locate wool to be processed
2.	Operate wool processing equipment	2.1	Set machine operating parameters to match job specification
		2.2	Start machinery and associated equipment according to WHS practices and workplace procedures
		2.3	Maintain supply of feed materials as required
		2.4	Remove by-products from machine as required
		2.5	Control process variables to ensure quality outcomes
		2.6	Stop and shut down equipment according to WHS practices and workplace standard procedures
3.	Monitor wool processing	3.1	Identify and interpret product quality standards during all stages of wool processing
		3.2	Visually inspect wool processing to ensure flow and blending consistency are maintained
		3.3	Recognise, isolate and report non-conforming outcomes and quality issues
		3.4	Take and prepare wool samples
		3.5	Consult required personnel to address quality issues
4.	Carry out operator maintenance	4.1	Identify, correct and report minor running problems according to workplace and equipment manufacturer procedures
		4.2	Report major machine, equipment or product faults according to workplace procedures
		4.3	Perform minor maintenance and cleaning according to manufacturer specifications, workplace procedures and scope of own role
5.	Dispose of waste materials	5.1	Apply workplace lot change and run out procedures to keep waste to a minimum

		5.2	Dispose of machine waste of according to recycling, environmental and safety procedures
6.	Communicate processing information	6.1	Complete required records and documentation according to workplace procedures
		6.2	Interpret information regarding production status and problems from other operators, shifts and supervisory personnel
		6.3	Communicate information regarding production status and problems to other operators, shifts and supervisor

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 specifications, standard operating procedures and work instructions and other reference material
- Oral communication skills to interact effectively with other operators, technicians and supervisor
- Planning and organising skills to complete work systematically with attention to detail without damage to goods and equipment

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

Unit Mapping Information

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- LMTEW2013A Perform wool grease recovery and monitor waste disposal

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 MSTTX3013 Perform wool processing operations

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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:

- safely and effectively operated equipment to perform at least three of the following wool processing operations:
 - blending and opening greasy wool
 - pressing and dumping
 - combing
 - gilling
 - finishing
 - backwashing
 - scouring
 - carbonising
 - superwashing
 - wool grease recovery
- resolved minor processing issues as they arise during the three operations above.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- purpose and safe use of automatic and semi-automatic machines and equipment used in wool processing operations:

- double drum openers
- decotting machines
- bale breakers
- combing machine
- noil recovery systems
- air filtration equipment
- gilling machines
- oil sprayers
- hand tools, including bale hook and labelling equipment
- conveyors
- dryers
- blending and opening systems
- wool carbonising/scouring machines
- waste disposal and dust extraction systems
- dusters and crushers
- stretch breaker
- pre-draft gilling machine
- wool grease separators
- retention bowls and settling systems
- associated fluid flow systems, valves and controls
- purpose and safe use of ancillary equipment used in wool processing operations:
 - weigh scales
 - farm bale presses, including manual, semi-automatic, and automatic
 - dump presses
 - sampling equipment, including core and grab machines
 - cleaning equipment
 - hand and power tools applicable to task
 - hand trolleys
 - pallet trucks
- safe use of detergents and chemicals used in wool processing
- machine setting and adjustment requirements
- wool types, including carded, combed, carpet and merino
- wool qualities, including fineness and colour
- typical wool contaminants
- product labelling requirements
- safe work practices for processing operation
- safety and environmental controls relevant to process
- general housekeeping policies and procedures including cleaning agents and equipment in wool processing operations.

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 wool processing facility
 - safety equipment and standard operating procedures
- modelling of industry operating conditions, including access to wool for processing

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

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