



Australian Government

FWPCOT3266 Dress timber using multi-headed machines

Release: 1

FWPCOT3266 Dress timber using multi-headed machines

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 4.0.

Application

This unit of competency describes the skills and knowledge required to set up, operate and adjust multi-headed machines to dress timber in a timber processing facility. Work also involves evaluating and monitoring dressing conditions and processes and operator maintenance.

The unit applies to individuals who work as operators of multi-headed machines for dressing timber. Operators generally work under broad or limited direction to complete routine activities related to their own work, and take responsibility for their work.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

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

Pre-requisite Unit

Nil

Unit Sector

Timber Manufactured Products
Wood Panel and Board Production
Sawmilling and Processing

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan timber dressing	1.1 Review work order, workplace health and safety requirements,

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
process	environmental protection practices and emergency procedures for timber dressing operation and, where required, check with appropriate personnel 1.2 Identify and report hazards and use personal protective equipment according to workplace requirements and health and safety legislation to maintain safe work practices 1.3 Identify sizes and quantities for dressed timber, assess available sawn timber and estimate material removal rates
2. Set up cutters	2.1 Use equipment according to workplace health and safety procedures, manufacturer instructions and environmental protection practices 2.2 Lock out equipment and set and adjust cutters, feeders, guides and conveyors to suit required dressed product dimensions and available sawn material 2.3 Complete trial run to check equipment operation, accuracy and quality and dimensions of finished work 2.4 Accept or reject trialled material and dispose of according to environmental protection practices 2.5 Adjust equipment settings as necessary
3. Dress timber	3.1 Select and follow the cutting sequence to maximise volume recovery and produce the required dimensions and quantity 3.2 Maintain feed rate appropriate to timber condition and size 3.3 Assess dressing conditions regularly to ensure continuity of supply and processing 3.4 Adjust conditions to optimise feed rate and maintain finished dimensions according to work order 3.5 Regularly evaluate and measure dressed timber dimensions and make adjustments to ensure product quality and required dimensions 3.6 Dispose of incorrect cuts, off-cuts and defective material according to environmental protection practices
4. Complete operator maintenance	4.1 Lock out equipment according to workplace health and safety procedures 4.2 Check cutter for bluntness or damage 4.3 Remove and replace cutters and blades according to manufacturer

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	recommendations 4.4 Dispose of used cutters according to environmental protection practices 4.5 Keep machine area clear of dust and debris according to workplace health and safety procedures 4.6 Record and report production outcomes, equipment faults and maintenance requirements to appropriate personnel

Foundation Skills

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

Skill	Description
Numeracy	- Identify quantities of required material within work orders, and count timber - Interpret order sizes and sets up equipment to achieve correct dimensions - Calculate the feed rate to optimise quality and quantity of production output - Measure finished dimensions against specifications and allowable tolerances
Navigate the world of work	Understand main tasks, responsibilities and boundaries of own role
Interact with others	Use modes of communication suitable for the purpose to confirm and clarify understanding
Get the work done	Recognise and respond to routine problems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status

FWPCOT3266 Dress timber using multi-headed machines	FWPCOT3205 Dress boards using multi-headed machines	Updated industry terminology, workplace health and safety requirements and foundation skills; clarified intent of the unit and assessment requirements; changed unit title and code for compliance and consistency with the updates.	Equivalent unit
---	--	--	-----------------

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>

Assessment Requirements for FWPCOT3266 Dress timber using multi-headed machines

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 4.0.

Performance Evidence

An individual demonstrating competency in this unit must satisfy all of the elements and performance criteria of this unit. There must be evidence that, on at least one occasion, the individual has:

- followed workplace health and safety requirements and environmental protection procedures for dressing timber using multi-headed machines
- produced dressed timber of one or more of the following types using multi-headed machines according to an individual work order prescribing different dimensions, tolerances and quantity of timber:
 - softwood
 - hardwood
 - treated
 - untreated
- conducted operator maintenance on the multi-headed machine.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- health and safety hazards or risks related to operating multi-headed machines for dressing timber, identified through risk assessments, manufacturer technical information, regulations and industry health and safety guides
- workplace procedures specific to dressing timber using multi-headed machines:
 - health and safety, with particular emphasis on equipment lockout and the use of personal protective equipment (PPE)
 - use of timber dressing equipment
 - communication reporting lines
 - recording and reporting production outcomes, equipment faults and maintenance requirements
- environmental protection practices for timber processing facility settings:

- reducing water and energy use
- cleaning plant, tools and equipment
- disposing of, recycling and reusing timber and other waste
- typical timber defects and how these affect the ability to produce a quality finished product:
 - warp
 - wane
 - cupping
 - shakes
 - insect defects
 - knots
 - resin pockets
- typical dressing problems triggering adjustment of the process to ensure product quality:
 - blunt or damaged cutters
 - burn marks
 - extra cuts
 - excessive cutter marks
 - dimensional errors
- industry standard profiles, lengths, cross-sections and tolerances and applicable terminology
- cutting patterns used on timber to achieve maximum volume recovery
- feed rates and how they affect production output and finished quality of timber
- purpose, features and operation of multi-headed machines for dressing timber:
 - single or multi-headed machines
 - machines cutting on one side of timber only
 - machines cutting two or more sides of timber simultaneously
 - machines incorporating grooving or splitting saws
- methods for assessing cutter condition.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - multi-headed machine for dressing timber
 - maintenance tools and equipment for replacing cutters
 - consumable cutters
 - PPE suitable for dressing timber using multi-headed machines
 - timber suitable for dressing operations

- specifications:
 - manufacturer instructions for use and maintenance of equipment
 - work order with specific instructions for dressing timber using multi-headed machines
 - template documents for recording production outcomes, equipment faults and maintenance requirements
 - workplace procedures for dressing timber using multi-headed machines, including health and safety and emergency procedures and environmental protection procedures.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>