Modification history

Release	Comments
Release 2	This version released with FWP Forest and Wood Products Training Package Version [4.0] Version created to update workplace health and safety requirements in performance criteria and clarify intent of unit and assessment requirements.
Release 1	This version replaces equivalent unit FPICOT3205B Dress boards using multi-headed machines, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format.

UNIT CODE	FWPCOT3205 Dress boards using multi-headed machines
Application	This unit of competency describes the skills and knowledge required to set-up, operate and adjust multi-headed machines to dress timber boards in a timber processing facility. Work also ~~and~~ involves evaluating and monitoring dressing conditions and processes and operator maintenance. ~~Work is completed in a forest products factory setting and includes operator maintenance.~~ The unit applies to individuals who work as operators of multi-headed machines for dressing timber boards in a wood products factory setting. Operators generally work under broad or limited direction to complete routine activities related to 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.
Prerequisite Unit	Nil
Unit Sector	Timber Manufactured Products Wood Panel and Board Production Sawmilling and Processing

Elements	Performance Criteria
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Plan dressing process	1.1 Review work order and where required check with appropriate personnel 1.2 Follow workplace health and safety requirements, environmental protection practices and emergency procedures and use personal protective equipment (PPE) in line with operational requirements throughout timber dressing operation 1.3 Identify and report hazards, accidents, incidents and/or near misses in line with operational requirements and health and safety legislative requirements to maintain safe work practices ~~1.2 Select appropriate personal protective and other equipment and check for operational effectiveness~~ 1.~~3~~ 4 Identify sizes and quantities for dressed boards, assess available sawn boards and estimate material removal rates~~1.4 Plan dressing operation and processing sizes in line with work order~~

Elements	Performance Criteria
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
2. Set up cutters	2.1 Use equipment in line with organisational safety procedures, manufacturer instructions and environmental protection practices 2.2 Lock-out equipment, 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 in line with environmental protection practices 2.5 Adjust equipment settings as necessary
3. Dress boards	3.1 Select and follow cutting sequence to maximise volume recovery and produce required dimensions and quantity 3.2 Maintain feed rate appropriate to timber condition and board 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 in line with work order 3.5 Regularly evaluate ~~finish~~ and measure dressed board dimensions and make adjustments to ensure product quality and required dimensions 3.6 Dispose of incorrect cuts, off cuts and defective material in line with environmental protection practices
4. Complete operator maintenance	4.1 Lock out equipment in line with~~Follow organisational~~ workplace health and safety procedures ~~to lock out equipment~~ 4.2 Check cutter for bluntness or damage 4.3 Remove and replace cutters and blades in line with manufacturer~~'s~~ recommendations 4.4 Dispose of used cutters in line with environmental protection practices 4.5 Keep machine area clear of dust and debris in line with ~~organisational~~ 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 numbers of boards • interpret order sizes and set 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
Oral communication	• ask questions and actively listen to clarify contents of work orders.

Reading	• interpret:
	  • workplace health and safety and other organisational procedures
	  • work orders
	  • manufacturer instructions and maintenance recommendations

Writing	• complete accurate basic records for production outcomes, equipment faults and maintenance requirements
Plan and organise	• efficiently and logically sequence the stages of preparation and production using work order to guide activities

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3205 Dress boards using multi-headed machines	FWPCOT3205 Dress boards using multi-headed machines	Updated workplace health and safety requirements in performance criteria and clarified intent of unit and assessment requirements.	Equivalent unit

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

TITLE	Assessment requirements for FWPCOT3205 Dress boards using multi-headed machines

Performance Evidence

An individual demonstrating competency must satisfy all of the elements, performance criteria and foundation skills of this unit. There must be evidence that, on at least one occasion, the individual has:
- produced dressed boards of timber in line with an individual work order for board type prescribing different dimensions and tolerances and number of boards for each job. Types of timber include:
  - softwood
  - hardwood
  - treated
  - untreated
- after each of the above jobs, completed operator maintenance on the equipment used.

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 operational hazards or risks related to operating multi-headed machines for dressing boards of timber identified through risk assessments, manufacturer technical information, regulations and industry health and safety guides
- organisational procedures specific to dressing boards using multi-headed machines:
  - workplace health and safety with particular emphasis on equipment lock out and use of personal protective equipment
  - use of equipment
  - communication reporting lines
  - recording and reporting production outcomes, equipment faults and maintenance requirements
- environmental protection practices for forest products factory 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 ability to produce a quality finished product:
  - warp
  - wane
  - cupping
  - shakes
  - insect defects
  - knots
  - resin pockets
- typical dressing problems triggering adjustment of 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 boards to achieve maximum volume recovery
- feed rates and how they affect production output and finished quality of boards
- purpose, features and operation of multi-headed machines for dressing boards:
  - single or multi-headed machines
  - machines cutting on one side of board only
  - machines cutting two or more sides of board 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:

Assessment Conditions

- skills must be demonstrated in an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - multi-headed machines for dressing boards including one or more of the following:
  - single or multi-headed machines,
  - machines cutting on one side of board only,
  - machines cutting two or more sides of board simultaneously,
  - machines incorporating grooving or splitting saws
  - maintenance tools and equipment for replacing cutters
  - consumable cutters
  - personal protective equipment suitable for dressing boards using multi-headed machines
  - commercial timber boards
- specifications:
  - manufacturers' instructions for use and maintenance of equipment
  - work order with specific instructions for dressing boards using multi-headed machines
  - template documents for recording production outcomes, equipment faults and maintenance requirements
  - workplace health and safety and emergency procedures
  - environmental protection procedures
  - organisational procedures for dressing boards using multi-headed machines.

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.education.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47