Modification history

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

| UNIT CODE | FWPCOT3XXX Dress timber using multi-headed machines |
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| 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 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 ProductsWood Panel and Board ProductionSawmilling and Processing |

| Elements | Performance Criteria |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Plan timber dressing process | 1.1 Review work order, workplace health and safety requirements, environmental protection practices and emergency procedures for timber dressing operation and where required check with appropriate personnel1.2 Identify and report hazards and use personal protective equipment (PPE) in line with workplace requirements and health and safety legislation to maintain safe work practices1.3 Identify sizes and quantities for dressed timber, assess available sawn timber and estimate material removal rates |
| 2. Set up cutters | 2.1 Use equipment in line with workplace health and safety procedures, manufacturer instructions and environmental protection practices2.2 Lock-out equipment, set and adjust cutters, feeders, guides and conveyors to suit required dressed product dimensions and available sawn material2.3 Complete trial run to check equipment operation, accuracy and quality and dimensions of finished work2.4 Accept or reject trialled material and dispose of in line with environmental protection practices2.5 Adjust equipment settings as necessary |
| 3. Dress timber | 3.1 Select and follow cutting sequence to maximise volume recovery and produce required dimensions and quantity3.2 Maintain feed rate appropriate to timber condition and board size3.3 Assess dressing conditions regularly to ensure continuity of supply and processing3.4 Adjust conditions to optimise feed rate and maintain finished dimensions in line with work order3.5 Regularly evaluate and measure dressed timber dimensions and make adjustments to ensure product quality and required dimensions3.6 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 workplace health and safety procedures 4.2 Check cutter for bluntness or damage4.3 Remove and replace cutters and blades in line with manufacturer recommendations4.4 Dispose of used cutters in line with environmental protection practices4.5 Keep machine area clear of dust and debris in line with workplace health and safety procedures4.6 Record and report production outcomes, equipment faults and maintenance requirements to appropriate personnel |

| Foundation SkillsThis 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. |
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| Skill | Description |
| Numeracy  | * identify quantities of required material within work orders and count numbers of timber 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
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| Navigate the world of work | * understand main tasks, responsibilities and boundaries of own role
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| Interact with others | * use modes of communication suitable to purpose to confirm and clarify understanding
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| Get the work done | * recognise and respond to routine problems
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| Unit Mapping Information |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| FWPCOT3XXX 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  |

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| 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 FWPCOT3XXX Dress timber using multi-headed machines |
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| 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.
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| Knowledge Evidence |
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| 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 lock out and use of personal protective equipment
* 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 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 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 board only
* machines cutting two or more sides of timber board simultaneously
* machines incorporating grooving or splitting saws
* methods for assessing cutter condition.
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| Assessment Conditions |
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| 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
* personal protective equipment suitable for dressing timber using multi-headed machines
* commercial timber boards
* 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 boards using multi-headed machines including health and safety and emergency procedures, environmental protection procedures.

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

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