



Australian Government

FWPCOT3209 Set up, operate and maintain end matching operations

Release: 2

FWPCOT3209 Set up, operate and maintain end matching operations

Modification History

Release	Comments
Release 2	This version released with FWP Forest and Wood Products Training Package Version 3.0.
Release 1	This version released with FWP Forest and Wood Products Training Package Version 2.0.

Application

This unit of competency describes the outcomes required to coordinate operational logistics for end matching activities which includes planning schedules for operators, setting up equipment for production runs, resolving processing problems and coordinating equipment shut-down and maintenance.

The unit applies to timber process operators that co-ordinate end matching activities in a forest products factory setting.

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

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 production parameters	1.1 Interpret production orders for grades, quantities of timber requiring rework, cross sections, end use and plan end matching operations.

ELEMENTS	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.2 Develop end matching schedules to ensure optimum production outcomes and communicate to operators in line with organisational procedures.
2. Set up and monitor end matching operation	2.1 Check equipment for operational effectiveness and adjust set up to meet production requirements. 2.2 Select, check, prepare and install cutters to suit end profile and timber cross section. 2.3 Set feed rates, guides and conveyors to suit timber cross section and characteristics. 2.4 Cut trial joints and check end profiles against specifications. 2.5 Join trial boards and test for strength and appearance. 2.6 Accept or reject trialled material and dispose of in line with environmental protection practices. 2.7 Resolve any machining problems, make final adjustments and start the end matching process. 2.8 Monitor end matching processes; identify and resolve processing and equipment faults. 2.9 Record and report production outcomes to appropriate personnel.
3. Coordinate shut-down and maintenance	3.1 Coordinate equipment shutdown with operators in line with organisational safety procedures. 3.2 Assist maintenance personnel to identify and resolve equipment faults. 3.3 Plan and coordinate routine maintenance of end matching equipment in line with organisational procedures and maintenance schedules.

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.

Numeracy skills to:	- complete calculations to determine: - material amounts required to satisfy production orders - end matching schedules considering human and equipment
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	resource capacity - interpret order sizes and set up equipment to achieve correct dimensions and profiles - measure trialled material dimensions and profiles against specifications and appropriate tolerances.
Oral communication skills to:	- provide clear, unambiguous: - directions to operators for shutting down equipment - information about equipment faults to maintenance personnel.
Reading skills to:	- interpret: - production orders - workplace health and safety and other organisational procedures - maintenance schedules.
Writing skills to:	- develop end matching schedules in a style and format easily understood by others - complete accurate basic records for production outcomes, equipment faults and maintenance requirements.
Planning and organising skills to:	- source and organise production data to inform end matching schedules - efficiently and logically sequence the stages of setting up end matching equipment and operations - coordinate maintenance of end matching equipment to minimise downtime.
Technology skills to:	use a computer, keyboard and software to prepare end matching schedules and maintenance requests.

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3209 Set up, operate and maintain end matching operations Release 2	FWPCOT3209 Set up, operate and maintain end matching operations Release 1	Minor formatting errors corrected.	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>

Assessment Requirements for FWPCOT3209 Set up, operate and maintain end matching operations

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Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit. If a specific volume or frequency is not stated below, then evidence must be provided that the following requirements have been performed on at least one occasion:

- plan and monitor end matching operations
- determine, document and communicate end matching schedules providing details of:
 - timber cross sections to be end matched
 - end matching profiles
 - finished product grades
 - quantities to be produced
 - changeover times
- complete production records for the above production jobs.

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- 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
- operational capacity of end matching equipment
- typical work flow processes for end matching operations
- methods of determining end matching schedules to maximise equipment, labour and material use
- format, content and use of end matching schedules

- monitoring processes for end matching machines and overall production process
- typical processing and equipment faults and solutions for minimal production disruption
- range of industry standard cross sections, their strength, tolerances and applicable terminology
- purpose, features, operation and maintenance requirements of equipment used to produce end matched products including:
 - guides
 - cutters
 - conveyors
- organisational procedures specific to coordinating end matching operations
- workplace health and safety with particular emphasis on equipment lock out and use of personal protective equipment
- communication reporting lines for operator team members and self
- documenting and communicating end matching schedules
- recording and reporting production outcomes and maintenance schedules.

Assessment Conditions

The following resources must be made available:

- computers, keyboards, printers and software used to prepare end matching schedules and maintenance documents
- tools and equipment used to end matched timber products:
- personal protective equipment suitable for end matching operations
- a diverse range of commercial timber
- production orders with specific information about grades, quantities and cross sections for specified end matched timber products
- template documents for recording:
 - end matching schedules
 - production outcomes
- maintenance schedules for end matching equipment
- organisational procedures for coordinating end matching operations.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.

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