



Australian Government

FWPSAW2214 Sort timber boards manually

Release: 1

FWPSAW2214 Sort timber boards manually

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 8.0.

Application

This unit of competency describes the skills and knowledge required to conduct manual sorting of timber boards of varying sizes and store or distribute for downstream operations.

The unit applies to individuals who sort timber boards in a sawmill or wood products work environment.

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 or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Sawmilling and Processing (SAW)

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. Prepare for sorting timber boards	1.1 Determine job requirements from work order or instructions and, where required, check with appropriate personnel 1.2 Confirm workplace health and safety and environmental protection practices and/or procedures for task, including use of personal protective equipment 1.3 Identify and assess hazards and take actions to mitigate risks

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	related to timber sorting operation 1.4 Identify type and quantity of timber boards for sorting, and confirm allocation of sorted timber boards to storage and/or downstream operations 1.5 Check timber sorting and transferring equipment for operational effectiveness
2. Sort and distribute timber boards	2.1 Assess timber board characteristics and defects visually 2.2 Identify timber board cross-sections, lengths and grades and allocate to storage bins or trays 2.3 Move sorted timber boards by size and grade to storage location or direct to subsequent operations according to work order while maintaining material flow 2.4 Check operation of conveyors and bins regularly to ensure supply of boards to downstream processing 2.5 Identify routine process and equipment faults and resolve or report to appropriate personnel
3. Complete timber boards sorting operation	3.1 Reject and dispose of sub-standard material according to workplace environmental protection practices and/or procedures or mark for docking 3.2 Label storage locations according to workplace procedures

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
Reading	Interpret workplace documentation related to sorting timber boards
Writing	Complete routine records for sorting process and equipment faults
Oral communication	Ask open and closed questions and actively listen to clarify contents of work orders
Numeracy	Determine quantities of required material within work orders and

Skill	Description
	count amounts

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPSAW2214 Sort timber boards manually	FWPSAW2202 Sort boards manually	New unit title Revised Elements, Performance Criteria, Foundation Skills, Performance Evidence, Knowledge Evidence and Assessment Conditions	Equivalent

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 FWPSAW2214 Sort timber boards manually

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has sorted timber boards manually by size and grade for allocation to storage or downstream operations for one production run according to prescribed specifications.

In performing this task, the individual has:

- followed workplace health and safety and environmental protection practices and/or procedures
- assessed timber board dimensions, characteristics and defects visually
- used transfer sorting equipment to distribute boards to storage or subsequent operations while maintaining material flow
- disposed of or recycled sub-standard boards or marked for docking.

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:

- workplace procedures for manual sorting, storage and labelling of timber boards
- timber types, including:
 - native timber species
 - imported timber species
 - dressed timber
 - in-the-rough timber
 - stress and non-stress graded timber
 - preservative treated timber
- characteristics used to manually sort timber boards, including:
 - type
 - finish quality

- timber defects
- length
- width
- thickness
- typical timber defects and how they affect ability to produce a quality finished product, including:
 - incorrect moisture content
 - warp
 - wane
 - cupping
 - shakes
 - insect defects
 - knots
 - resin pockets
- range of industry standard lengths, cross-sections, appearance grades and applicable terminology
- markings used on timber boards to identify grade
- workflow processes used to manually sort timber boards
- flow of timber board supply in and out of sorting area
- storage layout and storage categories for timber boards
- methods to label timber in storage locations and common terms used
- purpose, features and operation of equipment used for sorting boards manually, including:
 - conveyor belt systems
 - track systems
 - lifting equipment including forklifts, slings, trolley jacks, gantry cranes, loaders
- workplace procedures specific to sorting timber boards manually, including:
 - health and safety, with particular emphasis on use of personal protective equipment (PPE) and other equipment
 - communication reporting lines
 - recording and reporting processing and equipment faults
- workplace environmental protection requirements and practices for timber processing operations, including:
 - cleaning of plant, tools and equipment
 - disposing of, recycling and reusing timber
 - safe disposal of waste material.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:

- skills must be demonstrated in a timber processing plant, a timber product manufacturing plant or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - a selection of timber boards for sorting
 - equipment for sorting and transferring timber boards
 - PPE suitable for sorting timber boards manually
- specifications:
 - work order or instruction detailing board sorting requirement
 - workplace health and safety and environmental protection policies and/or procedures applicable to sorting timber boards manually.

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

Links

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