



**Australian Government**

# **FWPSAW2203 Sort boards mechanically**

**Release: 1**

# FWPSAW2203 Sort boards mechanically

## Modification History

Release	Comment
1	Replaces equivalent unit FPISAW2203B Sort boards mechanically, 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.

## Application

This unit of competency describes the outcomes required to set up, operate and maintain a mechanical sorting machine to process boards of varying sizes. Work is completed in a forest products factory setting.

The unit applies to Sawmill Worker, Production Worker, Timber Grader.

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

## Pre-requisite Unit

Nil

## Unit Sector

Sawmilling and Processing

## Elements and Performance Criteria

<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Prepare for sorting	<p>1.1 Review work order and where required check with appropriate personnel.</p> <p>1.2 Select appropriate equipment and personal protective equipment and check for operational effectiveness.</p> <p>1.3 Identify type and quantity of boards for sorting and obtain from storage location.</p> <p>1.4 Plan sorting process in line with work order.</p>

2. Set up board equipment	<p>2.1 Complete pre start-up equipment checks to ensure operational effectiveness.</p> <p>2.2 Use equipment in line with organisational safety procedures, manufacturer's instructions and environmental protection practices.</p> <p>2.3 Identify board cross-sections, lengths and grades, and plan set size discriminations and timber flow.</p> <p>2.4 Set up and start program linking board sizes to storage bins or trays and adjust to optimise storage space and operational effectiveness.</p> <p>2.5 Check and correct operation of machine, gates, conveyors and bins regularly.</p>
3. Co-ordinate material flow	<p>3.1 Direct boards to subsequent operations in line with size and grade, maintaining material flow.</p> <p>3.2 Inspect and monitor machine performance visually to ensure board sizes are consistent with machine settings.</p> <p>3.3 Reject and dispose of sub-standard material in line with environmental protection practices.</p> <p>3.4 Identify routine processing and equipment faults and resolve or report to appropriate personnel.</p>
4. Complete operator maintenance	<p>4.1 Follow organisational safety procedures to lock out equipment.</p> <p>4.2 Clean and check size identification mechanisms, photo electric cells and reflectors or other switching systems.</p> <p>4.3 Keep machine clear of dust and debris in line with organisational safety procedures.</p>

## 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:	<ul style="list-style-type: none"> <li>• identify quantities of required material within work orders and count amounts</li> <li>• read basic numerical machine settings and set machine for dimensions and grades.</li> </ul>
Oral communication skills to:	<ul style="list-style-type: none"> <li>• ask open and closed probe questions and actively listen to clarify contents of work orders.</li> </ul>
Reading skills to:	<ul style="list-style-type: none"> <li>• interpret: <ul style="list-style-type: none"> <li>• workplace health and safety and other organisational procedures</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>• work orders</li> <li>• manufacturers' instructions.</li> </ul>
Writing skills to:	<ul style="list-style-type: none"> <li>• complete accurate basic records for processing and equipment faults.</li> </ul>
Planning and organising skills to:	<ul style="list-style-type: none"> <li>• efficiently and logically sequence the stages of sorting and distribution using work order to guide activities.</li> </ul>
Problem-solving skills to:	<ul style="list-style-type: none"> <li>• identify and dispose of sub-standard materials</li> <li>• identify machine sorting errors and make adjustments for correct sorting of boards</li> <li>• recognise faulty equipment and resolve by reporting or rectifying.</li> </ul>
Technology skills to:	<ul style="list-style-type: none"> <li>• select and use appropriate personal protective equipment for sorting and distributing boards</li> <li>• efficiently and safely operate and monitor mechanical sorting machine.</li> </ul>

## Range of Conditions

Not Applicable

## Unit Mapping Information

FPISAW2203B Sort boards mechanically

## Links

Companion Volume implementation guides are found in VETNet -

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