



Australian Government

FWPWPP3218 Plan and coordinate machining of panels

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPIWPP3218B Plan and coordinate machining of panels, 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 manage operational logistics for panel machining activities which includes planning cutting patterns and schedules for operators.

The unit applies to production operators and technicians who plan and coordinate machining of panels in a forest and wood products factory and also involves monitoring and evaluating processes and problems to determine and recommend improvements.

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

Pre-requisite Unit

Nil

Unit Sector

Wood Panel Products

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. Plan machining operations	1.1 Interpret production orders and plan production of panel types and sizes. 1.2 Develop panel machining schedules to ensure optimum production outcomes. 1.3 Plan and document cutting patterns to maximise output and

	minimise wastage. 1.4 Communicate all information to operators in line with organisational procedures
2. Coordinate panel cutting operations	2.1 Identify and record variations in panel condition and report to operators. 2.2 Assist operators to resolve machining problems. 2.3 Monitor panel cutting processes; assess effectiveness of cutting pattern and ability to maintain schedule. 2.4 Modify cutting patterns and schedules to ensure optimum performance and communicate changes to operators. 2.5 Ensure machined panels are directed to designated area for storage or transferred for further processing. 2.6 Direct processes for rejecting and disposing of sub-standard machined panels and off-cuts in line with organisational safety procedures and environmental protection practices. 2.7 Complete and maintain operating logs and cutting records in line with organisational procedures. 2.8 Investigate and record major processing and equipment faults and resolve or report to appropriate personnel.
3. Evaluate machining performance	3.1 Monitor and evaluate panel cutting operations and output to determine process improvements. 3.2 Analyse systematic problems with equipment and panel quality for potential to improve machining processes. 3.3 Document recommended process improvements and communicate to appropriate personnel in line with organisational procedures.

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: - panel amounts required to satisfy production orders - optimum volume return from panels - machining schedules considering human and equipment resource capacity. - complete routine production records involving dimensions, panel profiles and quantities tallied against work orders.
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	analyse machining process data to measure performance of cutting operations.
Oral communication skills to:	- provide clear and unambiguous information to operators about: - initial and changing cutting patterns and schedules - requirements to dispose of sub-standard panels and off-cuts.
Reading skills to:	interpret production orders.
Writing skills to:	- develop documents in a style and format easily understood by others: - cutting patterns and schedules - reports on systematic issues with machining processes, potential process improvements including rationale for recommendations - complete accurate basic records of cutting output and equipment faults.
Planning and organising skills to:	- source, collect and organise data to inform cutting schedules and process improvement reports - efficiently and logically manage operational logistics for machining activities.
Problem-solving skills to:	- assess machining processes during operation and take quick action to modify schedules to resolve output problems - investigate equipment faults, consider systematic issues and resolve - analyse production problems, consider various solutions and determine process improvements.
Teamwork skills to:	take responsibility for coordinating a team of operators for effective machining operations.
Technology skills to:	- monitor and evaluate the operational effectiveness of machining equipment - use a computer, keyboard and software to prepare cutting patterns, machining schedules, and reports.

Range of Conditions

Not Applicable

Unit Mapping Information

FPIWPP3218B Plan and coordinate machining of panels

Links

Companion Volume implementation guides are found in VETNet -

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