



Australian Government

Assessment Requirements for 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. Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including Required Skills and Knowledge, Evidence Guide and Range Statement.

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 coordinate panel machining operations for production jobs in line with different production orders for each job
- determine, document and communicate cutting patterns and schedules for each of the above jobs
- assess panel output during machining operations for:
 - size
 - volume recovery
 - quality finish
 - dimensional consistency
- monitor, assess and modify schedules in response to changing circumstances within each of the above production jobs
- complete operating logs and cutting records for each of the above production jobs
- complete a detailed report about systematic issues arising across the jobs covering problems with processes, equipment and panels including recommendations for process improvements.

Knowledge Evidence

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

- environmental protection practices for machining panels:

- reducing water and energy use
- disposing of, recycling and reusing timber and other waste
- operational capacity of panel machining equipment
- stages of the panel machining process
- typical flow of panel supply in and out of the machining area
- range of cutting patterns used on panels to achieve maximum output
- methods of determining cutting schedules to maximise:
 - equipment and labour use
 - volume return from panels
 - efficient handling of panels to be machined
- typical timber panel defects and how they affect ability to produce quality machined panels:
 - warp
 - wane
 - cupping
 - shakes
 - insect defects
 - knots
 - resin pockets
- methods used to:
 - assess panel cutting processes for quality of outcomes
 - diagnose and analyse systematic problems with equipment and panels
- format, content and use of:
 - cutting pattern documents
 - cutting schedules
 - operating logs and cutting records
 - process improvement reports
- organisational procedures specific to planning and coordinating panel machining operations:
 - communication reporting lines for operator team members and self
 - documenting cutting patterns, schedules and reports
 - recording and reporting systematic equipment faults.
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Assessment Conditions

The following resources must be made available:

- computers, keyboards, printers and software used to prepare planning and production documents
- machining production line with a continuous conveyor belt system
- saws which must include at least one of the following:

- manually controlled docking and trimming saws
- band saws
- bench saws
- panel saws
- saws with adjustable angle
- saws with one or multiple blades
- table saws
- personal protective equipment suitable for coordinating machining production lines
- panels of various dimensions which must include one or more of the following:
 - laminated
 - veneered
 - plywood
 - chipboard
 - fibreboard
 - medium density fibreboard
- templates for:
 - cutting pattern documents
 - cutting schedules
 - operating logs and cutting records
 - process improvement reports
 - records for equipment faults
- production order for panels with specific instructions for sizes, shapes or profiles
- organisational procedures for planning and coordinating panel machining operations
- a team of operators with whom the individual can interact.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting. Machining operations must be present in order that the individual can monitor, assess and modify schedules in response to changing circumstances.

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.

Links

Companion Volume implementation guides are found in VETNet -

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

