



Australian Government

Assessment Requirements for FWPSAW3209 Align sawing production systems

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPISAW3209B Align sawing production systems, 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:

- follow organisational policies and procedures relevant to aligning sawing production processes
- align these components of sawing production systems in line with an individual work order for each job:
 - sawing machines
 - chipper heads
 - canter rings
 - feed systems including line bars and carriages
- remove and replace canter rings and chipper heads from equipment
- use an individual log of previous alignment measurements, settings, adjustments and timelines
- assess sawing machine and system performance against recovery percentages, product sizing and/or standard deviation and align components for improvement.

Knowledge Evidence

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

- purpose, features and operation of:
 - sawing machines

- chipper heads
- canter rings
- feed systems including line bars and carriages
- purpose, features and operation of tools and equipment used to align sawing production systems
- importance of aligning various parts of sawing systems:
 - reducing sawing deviation, vibration, and downtime
 - increasing production rates
 - improving quality of sawn finish
- methods for:
 - assessing sawing machine and system performance against recovery percentages, product sizing and/or standard deviation
 - dismantling mechanical components of sawing machines
 - assessing performance of canter rings and chipper heads
 - aligning machine components to specified requirements
 - re-assembling sawing machines and testing operational effectiveness
- organisational policies and procedures specific to aligning sawing production systems:
 - workplace health and safety with particular emphasis on equipment lock out and use of personal protective equipment
 - communication reporting lines
 - recording and reporting processing and equipment faults
- environmental protection practices for repairing and maintaining tools and equipment in forest products factory settings:
 - reducing water and energy use
 - cleaning plant, tools and equipment
 - disposing of, recycling and reusing materials
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Assessment Conditions

The following resources must be made available:

- tools and equipment used to align sawing production systems:
 - tools for removing and adjusting mechanical parts
 - jigs
 - precision measuring equipment
 - laser equipment
 - surveying instruments
 - portable electrical lighting
 - feeler gauges
 - engineers rules
 - vernier callipers

- micrometers
- plumb lines
- piano wire or string lines
- pointer
- markers
- portable computers that re-calibrate machine settings
- wood chipping equipment with canter rings and chipper heads
- personal protective equipment suitable for aligning sawing production systems
- manufacturers' instructions for use, repair and maintenance of equipment
- work order for repair and maintenance activities with specific instructions for aligning canter rings and chipper heads in specified equipment
- equipment history records
- template documents for recording processing and equipment faults
- organisational policies and procedures for aligning sawing production systems.

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.

Links

Companion Volume implementation guides are found in VETNet -

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