



Australian Government

Assessment Requirements for FWPSAW3254 Control and monitor automated green mill saw line

Release: 1

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Modification History

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

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 run, monitored and controlled a fully automated green mill saw line from control room for one production cycle.

In performing this task, the individual has:

- followed workplace health and safety and operating procedures
- checked system operation for compliance with job-specific operational and optimisation requirements
- monitored control and data acquisition system and optimising program and adjusted the system to meet production parameters and requirements
- conducted routine scheduled checks of the control and data collection systems and communicated any deficiencies or maintenance requirements to relevant personnel.

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 specific to control and monitoring of fully automated green mill saw line, including:
 - health and safety, including use of personal protective equipment (PPE) and equipment lock-out
 - communication procedures
 - recording and reporting of processing problems and equipment faults
 - emergency procedures
- workplace environmental protection requirements and practices specific to timber processing plants, including:
 - reducing water and energy use
 - cleaning plant, tools and equipment

- disposing of, recycling and reusing timber
- features and components of fully automated green mill saw line
- features and operation of control and data acquisition system for automated green mill saw line
- basic components and functions of mechatronic systems for automated green mill saw line, including:
 - sensors
 - actuators
 - controllers
- workflow processes for automated green mill saw line
- typical flow of log supply in and out of sawing area in green mill
- range of cutting patterns used on logs to achieve maximum output of flitches and cants
- range of feed rates and how they affect production output and finished quality of flitches and cants
- purpose, features and configuration of optimisation program for automated green mill saw line
- typical log defects and how they affect ability to produce quality flitches and cants, including:
 - warp
 - wane
 - curvature
 - cupping
 - shakes
 - insect defects
 - knots
 - resin pockets.

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 or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - fully automated green mill saw line
 - PPE suitable for green mill saw line operations
 - logs for processing
- specifications:
 - workplace procedures for control and monitoring automated green mill saw line
 - workplace emergency procedures relevant to green mill saw line operations
 - template documents for recording equipment faults and maintenance requirements

- workplace health and safety and environmental protection policies and/or procedures applicable to saw line operations.

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

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>