



Australian Government

Assessment Requirements for FWPSAW3256 Select and saw logs in multi-species operations

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 sawn logs in a multi-species operation for one production cycle to produce flitches or cants according to job requirements.

In performing this task, the individual has:

- followed workplace safety and operational procedures
- selected logs based on production requirements, log utilisation and at least one of the following characteristics:
 - diameter range
 - curvature
 - faults
 - species
 - moisture content
- secured, aligned and fed logs into saw at an optimal feed rate, modifying sawing sequence or procedure to meet production output and quality requirements in response to log defects and species variations
- completed basic non-specialist maintenance on equipment used
- produced routine reports containing information on production, maintenance and quality.

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:

- types of risk and hazards and mitigation measures associated with selecting and sawing logs in multi-species operations
- workplace procedures specific to selecting and sawing logs in multi-species operations, including:

- workplace health and safety, with particular emphasis on equipment lock-out and use of personal protective equipment (PPE)
- communication reporting lines
- recording and reporting processing problems and equipment faults
- workplace environmental protection requirements and practices for timber processing operations, including:
 - reducing water and energy use
 - cleaning plant, tools and equipment
 - disposing of, recycling and reusing timber
- purpose, features and operation of equipment used to saw flitches and cants, including:
 - carriages, including standard three-headed dog carriages and flat top carriages with head rigs
 - saws, including circular saws, bench saws and overhead frame saws or band saws
- operation of mechanical feed
- operation of conveyor system to transport logs to and from the sawing area
- types and uses of maintenance tools and equipment for saws
- typical range of industry and organisation specific species types, including:
 - visual characteristics of logs
 - recovery characteristics
- typical workflow processes for sawing flitches and cants
- methods of adjusting workflow and sawing schedule during operation to account for differences in species
- cutting patterns required for logs of different tree species to achieve maximum output of flitches and cants
- assessment of logs for:
 - diameter range
 - curvature
 - faults
 - species of various types
 - moisture content
- range of feed rates and how they impact on the production output and finished quality of flitches and cants
- typical flow of log supply in and out of the sawing area
- methods for assessing saw blade condition
- species and recovery characteristics of timber and timber defects
- flow control systems and marking requirements
- typical log defects and how they impact on the 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:
 - log sawing equipment
 - PPE suitable for selecting and sawing logs
 - logs from different species of trees
- specifications:
 - workplace procedures for sawing logs in a multi-species operation
 - workplace emergency procedures relevant to log sawing operations
 - workplace health and safety and environmental protection policies and procedures applicable to sawing logs in a multi-species operation.

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>