



Australian Government

FWPSAW4202 Plan and monitor saw log operations

Release: 1

FWPSAW4202 Plan and monitor saw log operations

Modification History

Release	Comment
1	Replaces equivalent unit FPISAW4202B Plan and monitor saw log operations, 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 plan flitch, cant sizes and cutting patterns and schedules, produce work orders for sawyers and to manage operational logistics for log sawing activities. Work is completed in a forest and wood products factory and also involves monitoring and evaluating processes to determine improvements.

The unit applies to Sawyer, Saw Operator, Sawmill supervisor.

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

Pre-requisite Unit

Nil

Unit Sector

Sawmilling and Processing

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 saw log operations	<p>1.1 Assess individual logs for types of flitches and cants that can be cut and determine optimal cutting pattern.</p> <p>1.2 Plan and document cutting patterns to maximise output and minimise wastage.</p> <p>1.3 Develop timber cutting schedules and work orders and brief sawyers in line with organisational procedures.</p>

	1.4 Identify variations in timber characteristics and report to sawyers.
2. Coordinate saw log operations	<p>2.1 Assist sawyers to evaluate logs and sawing problems.</p> <p>2.2 Monitor timber cutting processes; assess for quality of cutting pattern, suitability to log condition and ability to maintain schedule.</p> <p>2.3 Modify cutting patterns and schedule to ensure optimum performance and communicate to sawyers.</p> <p>2.4 Ensure processed logs are directed to designated area for storage or further processing.</p> <p>2.5 Complete and maintain operating logs and cutting records in line with organisational procedures.</p> <p>2.6 Investigate, record and report major processing and equipment faults and resolve or report to appropriate personnel.</p>
3. Evaluate saw log performance	<p>3.1 Monitor and evaluate saw log operations and output to determine process improvements.</p> <p>3.2 Document process improvements and communicate to appropriate personnel in line with organisational procedures.</p>

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:	<ul style="list-style-type: none"> complete routine calculations to measure log diameters complete complex calculations to determine: potential volume return from logs cutting schedules considering human and equipment resource capacity.
Oral communication skills to:	<ul style="list-style-type: none"> provide clear and unambiguous information to sawyers about initial and changing cutting patterns and schedules.
Reading skills to:	<ul style="list-style-type: none"> interpret basic operational cutting and processing logs completed by sawyers.
Writing skills to:	<ul style="list-style-type: none"> develop comprehensive documents in a style and format easily understood by others: <ul style="list-style-type: none"> cutting patterns and schedules work orders reports on process improvements complete accurate basic records of cutting output and equipment faults.

Planning and organising skills to:	<ul style="list-style-type: none">• source, collect and organise data to inform cutting schedules and process improvement reports• efficiently and logically manage operational logistics for log sawing activities.
Problem-solving skills to:	<ul style="list-style-type: none">• assess timber cutting processes during operation and take quick action to modify cutting patterns and schedules to resolve output problems• investigate major equipment faults, consider systematic issues and resolve• analyse production problems, consider various solutions and determine process improvements.
Teamwork skills to:	<ul style="list-style-type: none">• take responsibility for coordinating a team of sawyers for effective saw log operations.
Technology skills to:	<ul style="list-style-type: none">• assess logs, determine cutting patterns and schedules to maximise production outcomes and monitor effective saw log operations• use a computer, keyboard and software to prepare cutting schedules, work orders and reports.

Range of Conditions

Not Applicable

Unit Mapping Information

FPISAW4202B Plan and monitor saw log operations

Links

Companion Volume implementation guides are found in VETNet -

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