



Australian Government

FWPSAW3226 Saw logs using CNC optimising systems

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPISAW3226B Saw logs using CNC optimising 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.

Application

This unit of competency describes the outcomes required to set up and operate computer numerically controlled (CNC) optimising systems and saws to maximise timber output from every log. Work is completed in a forest and wood products factory and includes operator maintenance.

The unit applies to Benchman, Machine Operator, Timber Products Technician, Saw Operator.

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. Prepare for machining	1.1 Review work order and where required check with appropriate personnel. 1.2 Select appropriate personal protective equipment and check for operational effectiveness.

	1.3 Plan log sawing process in line with work order.
2. Set up optimising system	2.1 Set CNC optimising program to job specifications. 2.2 Check safety equipment and saw and cutting mechanisms for safe and effective operation. 2.3 Adjust saw settings in line with work order. 2.4 Conduct trial runs to check system operation, accuracy and quality of finished work. 2.5 Complete final adjustments to CNC optimising program and equipment in line with organisational procedures.
3. Operate optimising log saw	3.1 Use equipment in line with organisational safety procedures, manufacturer's instructions and environmental protection practices. 3.2 Complete pre start-up checks to ensure operational effectiveness. 3.3 Feed logs into machine, operate saw and monitor use to minimise waste and ensure quality product and output. 3.4 Repair or dispose of sub-standard product in line with environmental protection practices. 3.5 Direct processed logs to designated area in line with work order. 3.6 Identify routine processing problems and resolve or report to appropriate personnel.
4. Complete operator maintenance	4.1 Follow organisational safety procedures to lock out equipment. 4.2 Check saw blades for bluntness or damage. 4.3 Remove and replace saw blades in line with manufacturer's recommendations. 4.4 Dispose of used blades in line with environmental protection practices. 4.5 Complete basic non-specialist maintenance for equipment. 4.6 Keep machine clear of dust and debris in line with organisational safety procedures. 4.7 Record and report equipment faults and maintenance requirements to appropriate personnel.

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:	- identify quantities of required material within work orders and count number of logs to be sawn - set numerical data on CNC optimising program to suit sizing specifications - calculate the feed rate to optimise quality and quantity of production output.
Oral communication skills to:	ask questions and actively listen to clarify contents of work orders
Reading skills to:	- interpret: - workplace health and safety and other organisational procedures - work orders - manufacturers' instructions and maintenance recommendations.
Writing skills to:	complete accurate basic records for equipment faults and maintenance requirements.
Planning and organising skills to:	efficiently and logically sequence the stages of preparation and production using work order to guide activities.
Problem-solving skills to:	- identify and repair or dispose of sub-standard products - identify processing problems and faulty equipment and resolve by reporting or rectifying.
Technology skills to:	- select and use appropriate personal protective equipment for sawing activities - use computerised operating controls for CNC optimising saws to efficiently and safely saw logs - accurately identify and replace blunt or damaged saw blades.

Range of Conditions

Not Applicable

Unit Mapping Information

FPISAW3226B Saw logs using CNC optimising systems

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509f8d3d47>