



Australian Government

FWPSAW2201 Grade round poles and debarked logs

Release: 1

FWPSAW2201 Grade round poles and debarked logs

Modification History

Release	Comment
1	Replaces equivalent unit FPISAW2201B Grade round poles and debarked logs, 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 visually evaluate pole and log characteristics and defects for classification into varying strength and appearance grades. It includes sorting poles and logs, and marking material in line with grade and on-site distribution.

The unit applies to job roles including Kiln Worker, Timber Grader, Treatment Plant Worker, Production Worker and Sawmill Worker.

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 grading, sorting and marking	1.1 Review and check work order. 1.2 Identify site procedures for grading and sorting poles and debarked logs. 1.3 Locate type and quantity of poles and debarked logs to be graded,

	sorted and marked. 1.4 Select equipment for grading and check for operational effectiveness.
2. Grade, sort and mark poles and debarked logs	2.1 Visually assess length and diameter of poles or logs. 2.2 Review industry standards for ranges for sorting. 2.3 Identify material characteristics and defects of each pole or log against industry standards for grade type. 2.4 Measure, record and report moisture content. 2.5 Mark defects for docking. 2.6 Mark and sort material for grade classification, using markers or stickers that are easily interpretable 2.7 Record and report grading outcomes and distribution problems.
3. Distribute material	3.1 Move poles or logs to planned storage or processing operations. 3.2 Dispose of sub-standard material in line with site procedures and environmental requirements. 3.3 Monitor the movement of on-site movement of material and ensure intended flow is achieved. 3.4 Follow site procedures for labelling storage locations.

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:	count and measure poles or debarked logs and their moisture content.
Reading skills to:	follow site procedures.
Writing skills to:	record and report on grading outcomes.

Range of Conditions

Not Applicable

Unit Mapping Information

FPISAW2201B Grade round poles and debarked logs

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for FWPSAW2201 Grade round poles and debarked logs

Modification History

Release	Comment
1	Replaces equivalent FPISAW2201B Grade round poles and debarked logs, 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 grading round poles and debarked logs
- efficiently and safely grade, sort and mark poles and debarked logs with varying moisture content and of varying size and length and colour in readiness for storage and/or processing
- accurately identify defects in poles and debarked logs
- distribute poles and debarked logs on site using designated equipment
- follow site procedures to accurately record and report information
- safely use moving and lifting equipment
- safely dispose of waste material
- follow procedures for storage and labelling.
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Knowledge Evidence

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

- types of equipment used for grading and marking round poles and debarked logs, and their maintenance requirements including:
 - measuring equipment
 - moisture meters

- lifting equipment for the movement of poles or logs
- moisture content of poles and logs
- types of defects in poles and debarked logs, including:
 - warp
 - wane
 - curvature
 - shakes
 - insect defects
 - knots
 - resin pockets
- methods and equipment for moving poles and debarked logs, which includes:
 - conveyor belt systems
 - track systems
 - lifting equipment
 - fork lifts
 - slings
 - lifting/moving frames
 - trolley jacks
 - gantry cranes
 - dozers
 - loaders
 - manual handling
- methods of visual estimation, grading, colour identification and tagging
- sorting, marking and distribution processes
- industry standard diameters and lengths
- storage systems and labelling
- procedures for recording and reporting workplace information.
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Assessment Conditions

The following resources must be made available:

- organisational policies and procedures relevant to grading round poles and debarked logs
- poles or debarked logs of different size and type
- equipment for moving poles or debarked logs
- site procedures for poles or debarked logs
- relevant personnel for the purposes of communicating information
- documents, spreadsheets and commonly used proforma documents
- personal protective equipment suitable for grading round poles and debarked logs

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.
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