



Australian Government

FWPCOT2215 Visually stress grade hardwood

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPICOT2215B Visually stress grade hardwood, which was first released with FPI05 or FPI11 Forest and Forest Products Training Package Version 1. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to visually stress grade hardwood by assessing material for strength against set classifications detailed in Australian Standard AS2858 as a minimum standard.

The unit applies to those who visually stress-grade hardwood in a forest products factory setting.

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

Timber Manufactured Products

Wood Panel Products

Elements and Performance Criteria

ELEMENTS	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 stress-grading	1.1 Review work order for visually stress-grading hardwood and clarify with appropriate personnel. 1.2 Identify grading requirements in line with site procedures,

ELEMENTS	PERFORMANCE CRITERIA
	standards and specifications. 1.3 Select materials, hardware items, tools and equipment appropriate to work order and check for operational effectiveness. 1.4 Position hardwood to be graded to provide appropriate access and facilitate efficient workflow. 1.5 Establish and maintain communication with others at site to ensure safety.
2. Evaluate hardwood	2.1 Identify species and check status of seasoning. 2.2 Accurately record size and tolerance measurements in line with site requirements. 2.3 Establish characteristics and evaluate in line with standards and product specifications. 2.4 Measure moisture content and evaluate against standards and seasoning requirements.
3. Grade hardwood	3.1 Visually stress grade hardwood based on standards for the required structural grade. 3.2 Diagnose and check characteristics with the greatest limiting effect on the grade. 3.3 Assess the appearance, and mark, segregate and dispose of, in line with site procedures and environmental requirements 3.4 Record and report results of grading in line with workplace procedures.

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:	- estimate, measure and calculate sizes of hardwood - effectively calibrate and use moisture meter.
Writing skills to:	accurately compile and complete grading reports.

Range of Conditions

Not Applicable

Unit Mapping Information

FPICOT2215B Visually stress grade hardwood

Links

Companion Volume implementation guides are found in VETNet -

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