



Australian Government

FWPCOT2246 Appearance grade hardwood sawn and milled products

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 5.0.

Application

This unit of competency describes the skills and knowledge required to visually assess hardwood sawn and milled products for classification into various appearance grades.

The unit applies to individuals who grade hardwood sawn and milled products in a timber processing or manufacturing facility.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

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

Pre-requisite Unit

Nil

Unit Sector

Common Technical (COT)

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.</i>
1. Prepare for appearance grading	1.1 Review and clarify work order with appropriate personnel to determine hardwood sawn and milled products to be graded 1.2 Review workplace health and safety procedures, including the use of personal protective equipment, equipment lock-out and safe manual

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	handling techniques 1.3 Identify, assess and take actions to mitigate risks and hazards associated with grading hardwood sawn and milled products 1.4 Identify workplace environmental protection procedures for minimising and disposing of waste material, cleaning tools and equipment, and maximising energy efficiency 1.5 Obtain type, dimension and quantity of sawn and milled products to be graded from storage locations 1.6 Select equipment, including lifting equipment, appropriate to work order and check for safety and operational effectiveness 1.7 Establish and maintain communication with others at the workplace to ensure safety
2. Appearance grade products	2.1 Visually assess the size of sawn and milled products according to industry standards and estimated number of ranges 2.2 Evaluate the characteristics of each product against industry standards for grade type 2.3 Measure moisture content and evaluate against standards and seasoning requirements 2.4 Mark product characteristics for docking 2.5 Sort and label product according to grade classification 2.6 Reject and redirect sub-standard product for recycling or other uses according to workplace and environmental protection procedures 2.7 Record and report grading outcomes and distribution problems to appropriate personnel

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Oral communication	Responds to verbal questions on matters related to grading decisions and reuse or recycling of rejected materials

Skill	Description
Numeracy	- Compares length of product with industry standard for cross-section - Measures moisture content using a moisture meter - Calibrates measuring equipment
Navigate the world of work	Understands main tasks, responsibilities and boundaries of own role
Interact with others	- Conducts conversations relevant to the role by explaining and responding to questions - Uses non-verbal modes of communication to convey information related to grading operations
Get the work done	- Identifies and responds to routine problems - Uses problem-solving skills to analyse product and process faults and decide on appropriate action

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT2246 Appearance grade hardwood sawn and milled products	FWPCOT2212 Grade hardwood sawn and milled products	Revised performance evidence and knowledge evidence for mapping and clarity; updated unit code and title to reflect changes and for compliance	Equivalent unit

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>

Assessment Requirements for FWPCOT2246 Appearance grade hardwood sawn and milled products

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that, on at least one occasion, the individual has:

- appearance graded hardwood sawn products
- appearance graded hardwood milled products.

For each of the above jobs, the individual has:

- followed work order and relevant workplace health and safety and environmental protection procedures
- visually assessed and evaluated the characteristics of the product against industry standards for grading hardwood sawn and milled products
- measured and evaluated moisture content against standards and seasoning requirements
- marked, sorted and labelled product according to the correct grade classification
- recorded and reported grading activity.

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:

- industry standards and safe practices for grading hardwood sawn and milled products
- risks and hazards associated with timber grading
- workplace procedures for grading hardwood sawn and milled products:
 - health and safety, with particular emphasis on equipment lock-out and the use of personal protective equipment (PPE)
 - communication reporting lines
 - recording and reporting grading outcomes
- criteria for recycling and reusing, and redirecting sub-standard product for other use
- timber characteristics to be checked
- methods of visual estimation, grading, colour identification and tagging

- industry standard for cross-sections and lengths
- sorting, marking and distribution procedures
- types, safe operation and maintenance of tools and equipment used in grading operations.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a timber processing or manufacturing facility or an environment that accurately reflects workplace conditions
- resources, equipment and materials:
 - hardwood sawn and milled products for grading
 - measuring equipment
 - moisture meters
 - lifting equipment for the movement of sawn and milled products
 - PPE suitable for grading hardwood sawn and milled products
- specifications:
 - templates for recording timber grading activities
 - work order detailing materials to be graded
 - workplace standards for grading hardwood sawn and milled products.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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