



Australian Government

FWPCOT2247 Appearance grade softwood 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 softwood sawn and milled product characteristics for classification into various appearance grades.

The unit applies to individuals who grade softwood 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 work order to determine job requirements and, where required, seek clarification from appropriate personnel 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 softwood 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 and quantity of sawn and milled products to be graded from storage location 1.6 Select equipment appropriate to work order and check for operational effectiveness according to manufacturer recommendations 1.7 Establish and maintain communication with others at workplace to ensure safety
2. Appearance grade products	2.1 Visually assess the size of sawn and milled products according to industry standards and number of ranges estimated 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 product according to its grade classification and clearly mark with markers or stickers 2.6 Reject sub-standard product for disposal, reuse or recycling according to workplace requirements 2.7 Despatch graded material to appropriate storage locations 2.8 Record and report grading outcomes and distribution problems to appropriate personnel 2.9 Identify routine processing problems, and resolve or report 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
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	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
FWPCOT2247 Appearance grade softwood sawn and milled products	FWPCOT2213 Grade softwood 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 FWPCOT2247 Appearance grade softwood 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 softwood sawn products
- appearance graded softwood 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 softwood 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 softwood sawn and milled products
- risks and hazards associated with timber grading
- workplace procedures for grading softwood 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 sub-standard material
- methods of visual estimation, grading, colour identification and tagging
- industry softwood visual grading standards

- visual grading rules for appearance
- visual grading rules for strength
- timber characteristics to be checked
- sorting, marking and distribution processes
- industry standard for cross-sections and lengths
- storage systems, locations and labelling procedures
- problem identification and resolution strategies, and common fault-finding techniques
- types, safe operation and maintenance of tools and equipment used for 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 represents workplace conditions
- resources, equipment and materials:
 - softwood sawn and milled products for grading
 - measuring equipment
 - moisture meters
 - PPE suitable for grading softwood sawn and milled products
 - lifting equipment for the movement of sawn and milled products
- specifications:
 - templates for recording timber grading activities
 - work order detailing materials to be graded
 - workplace standards for grading softwood 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.

Links

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