



Australian Government

FWPCOT2248 Appearance grade cypress sawn and milled products

Release: 1

FWPCOT2248 Appearance grade cypress sawn and milled products

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 evaluate cypress sawn and milled product characteristics for classification into various appearance grades.

The unit applies to individuals who grade cypress 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 cypress 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 product 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 size of sawn and milled products according to industry standards and number of ranges estimated 2.2 Evaluate material 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 characteristics for docking 2.5 Sort material according to grade classification and clearly mark with markers or stickers 2.6 Reject sub-standard material for disposal, recycling or reuse 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
FWPCOT2248 Appearance grade cypress sawn and milled products	FWPCOT2214 Grade cypress 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 FWPCOT2248 Appearance grade cypress sawn and milled products

Modification History

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

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 cypress sawn products
- appearance graded cypress milled products.

For each of the above jobs, the individual has:

- followed work order and relevant workplace health and safety and environmental protection procedures
- identified characteristics and defects in cypress sawn and milled products and marked for sorting
- followed workplace procedures, standards and codes of practice for grading cypress sawn and milled products.

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:

- regulations, standards, policies and procedures for grading cypress sawn and milled products, including:
 - health and safety, with particular emphasis on equipment lock-out and the use of personal protective equipment (PPE)
 - communication reporting lines
 - recording and reporting production outcomes, equipment faults and maintenance requirements
- risks and hazards associated with grading timber
- criteria for recycling reusing or redirecting sub-standard material to other uses
- methods of visual estimation, grading, colour identification and tagging
- sorting, marking and distribution processes

- industry standard cross-sections and lengths
- storage systems and labelling procedures
- storage classifications
- timber characteristics and defects of cypress sawn and milled products to be checked:
 - warp
 - wane
 - curvature
 - shakes
 - insect defects
 - knots
 - resin pockets
- communication channels and protocols
- problem identification and resolution strategies, and common fault-finding techniques
- typical tools and equipment used for grading timber, along with their safe operation and maintenance
- procedures for recording and reporting workplace information.

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:
 - cypress sawn and milled products for grading
 - measuring equipment
 - moisture meters
 - lifting equipment for the movement of sawn and milled products
 - PPE suitable for grading cypress sawn and milled products
- specifications:
 - templates for recording timber grading activities
 - work order detailing materials to be graded
 - workplace standards for grading cypress 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

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