



**Australian Government**

# **FWPCOT2214 Grade cypress sawn and milled products**

**Release: 1**

## FWPCOT2214 Grade cypress sawn and milled products

### Modification History

| Release | Comment                                                                                                                                                                                                                                            |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | Replaces equivalent unit FPICOT2214B Grade cypress sawn and milled products, which was first released with FPI11 Forest and Forest Products Training Package Version 1.<br><br>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 cypress sawn and milled product characteristics for classification into various strength and appearance grades. It includes sorting cypress into classifications and marking material in line with grade type.

The unit applies to those who grade cypress sawn and milled products.

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 grading                           | 1.1 Review work order for grading cypress sawn and milled products and clarify with appropriate personnel.<br><br>1.2 Obtain type and quantity of sawn and milled product to be graded                 |

| ELEMENTS          | PERFORMANCE CRITERIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | <p>from storage location.</p> <p>1.3 Select equipment appropriate to work order and check for operational effectiveness in line with manufacturer recommendations.</p> <p>1.4 Plan grading process in line with site procedures.</p> <p>1.5 Establish and maintain communication with others at site to ensure safety.</p>                                                                                                                                                                                                                                                                                                                                                                       |
| 2. Grade products | <p>2.1 Visually assess size of sawn and milled products in line with industry standards and number of ranges estimated.</p> <p>2.2 Evaluate material characteristics of each product are evaluated against industry standards for grade type.</p> <p>2.3 Measure moisture content and evaluate against standards and seasoning requirements.</p> <p>2.4 Mark characteristics for docking.</p> <p>2.5 Sort material in line with its grade classification and clearly mark with markers or stickers.</p> <p>2.6 Reject and dispose of sub-standard material in line with site requirements.</p> <p>2.7 Record and report grading outcomes and distribution problems to appropriate personnel.</p> |

## Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.

|                     |                                                                                                                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Writing skills to   | <ul style="list-style-type: none"> <li>accurately compile and complete grading reports.</li> </ul>                                                                                                                          |
| Numeracy skills to: | <ul style="list-style-type: none"> <li>accurately identify if length of product meets industry standard for cross section</li> <li>measure moisture content using a moisture meter</li> <li>calibrate equipment.</li> </ul> |

## Range of Conditions

Not Applicable

## Unit Mapping Information

FWPCOT2214B Grade cypress sawn and milled products

## 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 FWPCOT2214 Grade cypress sawn and milled products

### Modification History

| Release | Comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | <p>Replaces equivalent unit FWPCOT2214B Grade cypress sawn and milled products, 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.</p> <p>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.</p> |

### 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:

- prepare for and grade cypress sawn and milled products in readiness for storage or processing
- follow work order for grading cypress sawn and milled products
- work safely and communicate effectively with others at work site
- identify characteristics and defects in cypress sawn and milled products and mark for sorting
- follow organisational policies and procedures, standards and codes of practice for grading cypress sawn and milled products
- record and report grading activity.
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### Knowledge Evidence

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

- applicable regulations, standards, codes of practice and established safe practices for grading cypress sawn and milled products
- organisational and site standards, policies and procedures for grading cypress sawn and milled products
- environmental risks and hazards associated with grading timber
- criteria for recycling re-using 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 racks
  - storage bays
  - bins
  - stacks
  - pallet boxes
  - modularised storage components

temporary stacking bays (stand, frame or ground) and divided into one or more of the following:

- standard product classification
- product designation
- size
- dimension
- stack number
- weight
- grade
- shelf life
- stock rotation position
- characteristics of cypress sawn and milled products:
  - warp
  - wane
  - curvature
  - shakes
  - insect defects
  - knots
  - resin pockets
- established 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.
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## Assessment Conditions

The following resources must be made available:

- cypress sawn and milled products for grading
- measuring equipment
- moisture meters

- lifting equipment for the movement of sawn and milled products
- work order, workplace requirements and site standards for cypress sawn and milled products
- personal protective equipment suitable for grading cypress sawn and milled products
- relevant personnel for the purposes of communicating information.

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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## Links

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