



Australian Government

FWPCOT2272 Rack timber or round poles

Release: 1

FWPCOT2272 Rack timber or round poles

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 8.0.

Application

This unit of competency describes the skills and knowledge required to identify, sort and rack sawn boards, dressed boards or round poles. It includes verification of timber product or round poles to ensure appropriate quality and separation of material with faults.

The unit applies to individuals responsible for racking and storing timber or round poles in a timber production, log yard or storage 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 to rack timber or round poles	1.1 Determine job requirements from work order or instruction and, where required, seek clarification from appropriate personnel 1.2 Review workplace health and safety procedures for task, including use of personal protective equipment and safe manual handling techniques

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Identify and assess hazards and take actions to mitigate risks related to racking operations 1.4 Identify type and quantity of timber or round poles to be racked 1.5 Identify characteristics of a correctly assembled rack
2. Identify timber or round poles dimensions	2.1 Estimate visually or measure standard dimensions of timber or round poles to be racked 2.2 Identify and interpret stress grade labels, colour identification marks, rack identification numbers and other tags
3. Rack timber or round poles	3.1 Check bearers for consistent thickness and damage, and dispose of substandard ones 3.2 Place bearers and spacing sticks squarely, evenly and consistently 3.3 Rack timber or round poles of consistent type, species, grade, cross-section, length or diameter according to work order and workplace health and safety procedures 3.4 Identify, separate and dispose of faulty timber or round poles according to workplace procedures and environmental protection requirements 3.5 Clear work area regularly to maintain a safe and efficient workflow 3.6 Record and report processes and equipment faults 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
Reading	Interpret routine workplace documents related to racking operation
Writing	Complete routine workplace records used in racking operations
Oral communication	Ask open and closed questions and actively listen to clarify contents of work orders

Skill	Description
Numeracy	Complete routine calculations for spacing of bearers

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT2272 Rack timber or round poles	FWPCOT2202 Rack material	New unit title Updated Application statement Revised Elements, Performance Criteria, Foundation Skills, Performance Evidence, Knowledge Evidence, and Assessment Conditions	Equivalent

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 FWPCOT2272 Rack timber or round poles

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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 the individual has racked, according to a work order, one batch of one type of product selected from:

- round poles
- sawn boards
- dressed boards.

In performing this task, the individual has:

- followed workplace health and safety procedures for racking the product
- prepared, sorted and racked the product
- identified, separated and safely disposed of product with faults
- completed workplace records relevant to the work task.

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:

- purpose of racking timber or round poles
- characteristics of a correctly assembled rack, which includes that timber or round poles racked have to be:
 - of similar grade, moisture content and drying characteristics
 - restrained and supported evenly along product full length and at both ends
 - spaced at regular intervals from product in adjacent rows
 - assembled with very even sides and ends so that the airflow into the rack from any direction is as regular as practical

- arranged so that the rack is rugged and its dimensions are optimised for integration with other fixed equipment
- techniques for racking timber or round poles
- industry standard diameters, lengths, cross-sections, tolerances, stress grades of timber or round poles product
- visual estimation techniques for length, diameter and cross-sections of timber or round poles product
- measurement techniques for length, diameter and cross-sections of timber or round poles product
- purpose and meaning of stress grade labels, colour identification marks, rack identification numbers and other tags used in timber or round poles production
- safe manual handling techniques related to racking timber or round poles
- purpose, features and operation of equipment used to rack timber or round poles
- requirements for quality and dimensions of bearers
- environmental protection requirements and practices for disposing of, recycling and reusing timber and other waste
- hazards and risks associated with timber or round poles racking operations
- workplace procedures related to racking timber or round poles, including:
 - health and safety, with particular emphasis on use of personal protective equipment (PPE) and safe manual handling
 - communication reporting lines
 - processes for reporting hazards and equipment faults.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a timber processing plant, timber manufacturing plant, log yard facility or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - tools and equipment used to rack timber or round poles
 - PPE suitable for racking timber or round poles
 - quantities of timber or round poles to be racked
- specifications:
 - work order or instruction detailing racking activities to be carried out
 - workplace health and safety and environmental protection policies and/or procedures applicable to racking operations
 - workplace procedures for racking timber or round poles.

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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