



Australian Government

FWPCOT3320 Build and maintain timber stacks

Release: 1

FWPCOT3320 Build and maintain timber stacks

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 6.0.

Application

This unit of competency describes the skills and knowledge required to safely build and maintain timber stacks in a variety of workplace settings, according to regulations and site procedures.

The unit applies to sawmill workers, production workers or manufacturing assistants who undertake specified activities under the direction of more experienced workers

Licensing, legislative or certification requirements apply to this unit but may differ according to state or territory jurisdiction. Users are advised to check with the relevant regulatory authority.

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 stack timber	1.1 Determine job requirements from work order or instructions and, where required seek clarification from appropriate person 1.2 Confirm safety requirements building and maintaining timber stacks according to workplace safety procedures 1.3 Identify risks and apply control measures to ensure safety of self and others and avoid loss of materials 1.4 Access traffic management plan to guide location of building

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	timber stacks 1.5 Select, fit and use personal protective equipment (PPE) and prepare safety equipment according to workplace requirements 1.6 Communicate with others as required, to ensure safety requirements are met according to workplace procedures 1.7 Identify personal limitations related to building a timber stack, and seek assistance as required, in accordance with workplace procedures
2. Build timber stack	2.1 Inspect timber to ensure it meets labelled or expected content, and report non-compliant material to supervisor, in accordance with workplace safety requirements 2.2 Choose appropriate bearers to create required space for powered mobile plant to lift the stack 2.3 Build the stack, check bearers and restrain timber in line with workplace requirements 2.4 Manage maximum height of stack to suit environment and weather conditions and in accordance with industry safety standards and workplace requirements 2.5 Identify problems and faults, and report to supervisor in accordance with workplace procedures
3. Maintain timber stack	3.1 Perform routine checks as stack is built and during life of stack, and report defects to appropriate personnel in accordance with workplace requirements 3.2 Repair timber stack as required, in accordance with workplace procedures and scope of own job role 3.3 Store, reuse, recycle or dispose of waste material in accordance with workplace and environmental requirements 3.4 Complete workplace records and documentation according to workplace requirements

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
Writing	Use industry terminology to accurately complete workplace records and reports
Oral communication	Use production terminology to accurately report on operational problems and non-compliant products to supervisor

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3320 Build and maintain timber stacks	FWPCOT3264 Build and maintain timber stacks	Wording of Application and Performance Criteria updated Foundation Skills updated Volume added to Performance Evidence and wording updated and restructured Assessment Conditions updated	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 FWPCOT3320 Build and maintain timber stacks

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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 safely built and maintained a minimum of four different timber stacks, and safely repaired faults in at least one timber stack.

In doing this, there must be evidence that the individual has:

- built stacks in accordance with traffic management plan, workplace safety and environmental procedures
- built stable and secure stacks protected from damage
- recorded and reported timber stack and fault information.

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:

- workplace safety and environmental requirements, site standards and workplace policies and procedures for building and maintaining timber stacks
- procedures, methods and techniques for:
 - levelling and stabilising individual packs
 - determining ratio, grading, colour identification and tagging of stacked timber
 - monitoring and inspecting packs
 - identifying and repairing common faults in stacks
 - partially or fully rebuilding and restabilising stacks using restraints
 - verbal and non-verbal communication
 - recording and reporting workplace information
- factors essential to building and maintaining timber stacks:
 - width, length, height and weight of stack
 - duration of storage

- type and strength of timber
- type of lifting equipment
- ground condition and stability in terms of slope, evenness, contamination and drainage
- air-drying structure
- unexpected obstacles
- slippery or uneven surfaces
- pedestrians on or near the timber stack
- visibility
- ground strength to withstand the load of stacks and machinery
- location of walkways, pathways and stores
- top surface of ground
- location of stack, inside, outside, under cover, in the open
- storage area organisation
- machinery and equipment requirements
- weather conditions
- selecting and using types and length of bearers:
 - straight and structurally sound
 - identical in length in cross-section
 - not protruding from the stack
 - not shorter than the stack
 - good condition and laid flat
 - able to withstand the environment
 - checked for consistent thickness and shape
 - correctly positioned
- factors contributing to avoidable loss:
 - inadequate stack support and unstable stacking
 - packs that are not level
 - exposing the stack to adverse drying conditions
 - inadequate stack conditions (poor drainage, stacks close to ground)
 - inappropriate site layout
 - inadequate stack protection and pack damage
 - timber stacked too high
- key components of a traffic management plan relevant to timber stacking
- industry terminology relevant to building and maintaining timber stacks to communicate safety issues, confirm job requirements and report product and stack issues and defects
- use and maintenance of timber stacking tools and equipment:
 - powered mobile machinery equipment faults or damage
- workplace safety requirements relevant to building and maintaining timber stacks:
 - impact of fatigue, and fatigue management
 - hazard identification and risk management

- hazardous manual tasks
- erection of exclusion zones and signage
- personal protective equipment (PPE)
- environmental requirements for recycling and reusing material with faults and safely disposing of waste material.

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 manufacturing or processing facility or timber yard or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - products to build and maintain four timber stacks
 - tools and equipment to build and maintain timber stacks
 - personal protective equipment
- specifications:
 - access to workplace safety and environmental policies and procedures applicable to building and maintaining timber stacks
 - access to work order and traffic management plan to build and maintain timber stacks
- relationships:
 - person to confirm work orders and report issues with building and maintaining timber stacks.

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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<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>