



Australian Government

FWPCOT3264 Build and maintain timber stacks

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPICOT3264 Build and maintain timber stacks, 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.

Application

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

The unit applies to those stacking timber in a variety of work settings such as saw mills, veneer mills, board/plywood mills, frame and truss plants, timber product manufacturers, timber treatment plants and other settings such as timber warehouses and timber drying/kiln operations.

Licensing, legislative, regulatory or certification requirements apply to this unit but may differ according to state or territory jurisdiction. Refer to state or territory licensing body.

Pre-requisite Unit

Nil

Unit Sector

Sawmilling and Processing

Timber Manufactured Products

Timber Merchandising

Wood Panel Products

Timber Truss and Frame Design and Manufacture

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
<i>Elements describe the</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further</i>

ELEMENTS <i>essential outcomes.</i>	PERFORMANCE CRITERIA <i>information is detailed in the range of conditions.</i>
1. Prepare to stack timber.	1.1 Review work order to identify timber stack site plan. 1.2 Identify and follow safe work procedure for building and maintaining timber stacks. 1.3 Conduct a risk assessment in line with site requirements to address hazards and faults and to ensure safety of self, others and proposed timber stack, taking avoidable loss into account. 1.4 Follow traffic management plan. 1.5 Use safety gear and equipment in line with work health and safety (WHS) and site requirements. 1.6 Communicate with others as required, to ensure safety requirements are met, in line with site procedures. 1.7 Identify personal limitations related to building a timber stack and seek assistance as required, in line with site 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 line with site and 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 site requirements. 2.4 Manage maximum height of stack to suit environment and weather conditions, in line with industry safety standards and site requirements. 2.5 Identify problems and faults and report to supervisor in line with site 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 line with site requirements. 3.2 Repair timber stack as required, in line with site procedures and scope of own job role. 3.3 Store, reuse, recycle or dispose of waste material in line with site procedures and environmental requirements. 3.4 Complete and maintain workplace records and documentation according to site requirements.

Foundation Skills

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

Numeracy skills to:	visually estimate length of bearers and stack ratios.
Oral communication skills to:	- interact appropriately with colleagues and others - report to supervisor and other appropriate personnel in line with site procedures.
Reading skills to:	- interpret work order - refer to powered mobile machinery manual.
Writing skills to:	record and report workplace information.
Problem solving skills to:	identify and respond to problems, faults, hazards and risk.

Range of Conditions

Not Applicable

Unit Mapping Information

FPICOT3264 Build and maintain timber stacks

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 FWPCOT3264 Build and maintain timber stacks

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1	Replaces equivalent unit FPICOT3264 Build and maintain timber stacks, 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. 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

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:

- stack timber and maintain timber stacks in line with safe work procedure, site standards and organisational requirements
- follow organisational policies and procedures relevant to building and maintaining a timber stack
- use safety gear and equipment required to build and maintain a timber stack, in line with site requirements
- communicate and work safely with others in the workplace
- identify and control hazards and risks associated with building a timber stack, in line with workplace requirements
- safely build timber stacks appropriate to the needs of the workplace
- record and report required timber stack and fault information in line with site requirements
- safely repair faults in a timber stack.

Knowledge Evidence

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

- work health and safety requirements, site standards and organisational policies and procedures for building and maintaining timber stacks
- procedures for conducting a risk assessment which includes:

- level and stability of individual packs
 - type of bearers
 - width, length and height of stack
 - weight of packs and stacks
 - 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
 - powered mobile machinery equipment faults or damage
 - 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
 - monitoring and inspection procedures
 - storage area organisation
 - injury due to lifting, bending or crushing
 - machinery and equipment requirements
 - weather conditions.
- procedures for identifying hazards and risks associated with building and maintaining timber stacks as outlined in the range statement
 - the use and importance of bearers including these needs:
 - be straight and not have knots
 - be identical in length in cross-section
 - not protrude from the stack
 - not be shorter than the stack
 - be laid flat
 - be in good condition
 - be able to withstand the environment
 - be checked for consistent thickness and shape
 - be correctly positioned
 - criteria for site surface stability and building a stack
 - factors contributing to avoidable loss including:

- inadequate stack support
- 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
- pack damage
- unstable stacking
- timber stacked too high
- key components of a traffic management plan including:
 - ensure pedestrians are separated from powered mobile plants
 - allow safe entry and exit of mobile equipment and pedestrians
 - identify the most efficient route of travel
 - facilitate traffic flows
 - reduce the frequency of interaction with powered mobile plant
 - substitute a forklift with other suitable load shifting equipment
- methods to visually estimate length of bearers and ratio, grading, colour identification and tagging of stacked timber
- lengths, dimensions, tolerances, profiles and names of industry standard cross-sections
- communication strategies including hand signals and gestures
- common timber stack repair aspects including:
 - cordon off area from pedestrian access
 - install danger warning signage
 - replace damaged racking sticks, bearers or restraints
 - stabilise ground conditions, including top surface
 - stabilise packs and stacks
 - partially or fully rebuild packs and stacks
 - assess need for additional restraints
 - tighten loose restraints
- timber stacking tools and equipment, and procedures for their safe use and maintenance
- procedures for recording and reporting workplace information
- 'Fit for work' requirements, the impact of fatigue, and organisational policy and procedures for fatigue management
- standards for height of a timber stack inside, under cover and in the open.
- environmental protection requirements, including criteria for recycling and reusing material with faults and safely disposing of waste material.

Assessment Conditions

Assessment conditions

The following resources must be made available:

- organisational policies and procedures relevant to building and maintaining timber stacks
- powered mobile machinery used to build and maintain timber stacks
- work order identifying timber stack site plan.

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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