

Modification history

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

FWPCOT3XXX	Build and maintain timber stacks
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 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 or certification requirements apply to this unit but may differ according to state or territory jurisdiction. Refer to state or territory licensing body.
Prerequisite Unit	Nil
Unit Sector	Common technical (COT)

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 Read and interpret work order to identify timber stack site plan 1.2 Identify and follow workplace safety and environmental requirements for building and maintaining timber stacks 1.3 Conduct a risk assessment in accordance with workplace safety 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 accordance with work health and safety (WHS) and workplace requirements 1.6 Communicate with others as required, to ensure safety requirements are met, in line with 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 and workplace records and documentation according to workplace requirements

Foundation Skills	
<i>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.</i>	
Skill	Description
Writing	<ul style="list-style-type: none"> Use industry terminology to accurately complete workplace records and reports
Oral communication	<ul style="list-style-type: none"> 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
FWPCOT3XXX Build and maintain timber stacks	FWPCOT3264 Build and maintain timber stacks	Application and Performance Criteria – updated Foundation Skills – updated writing and oral communication and deleted others Performance Evidence – added volume and updated Performance Evidence – updated and restructured Assessment Conditions – update to stipulate mandatory conditions	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
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TITLE	Assessment requirements for FWPCOT3XXX Build and maintain timber stacks
Performance Evidence	
<p>An individual demonstrating competency in this unit must satisfy all of the elements and performance criteria in this unit.</p> <p>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.</p> <p>In doing this, the individual has:</p> <ul style="list-style-type: none"> • built stacks in compliance with traffic management plan, workplace safety and environmental requirements and organisational procedures • built stable and secure stacks protected from weather conditions and damage • recorded and reported timber stack and fault information 	
Knowledge Evidence	
<p>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:</p> <ul style="list-style-type: none"> • workplace safety and environmental requirements, site standards and organisational policies and procedures for building and maintaining timber stacks • procedures, methods and techniques for: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • straight and knot free • identical in length in cross-section • not protrude from the stack • not be 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: 	

Knowledge Evidence
<ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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 • industry terminology • use and maintenance of timber stacking tools and equipment: <ul style="list-style-type: none"> • powered mobile machinery equipment faults or damage • workplace safety: <ul style="list-style-type: none"> • 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
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: <ul style="list-style-type: none"> • skills must be demonstrated in the workplace or an environment that accurately represents workplace conditions • resources, equipment and materials: <ul style="list-style-type: none"> • various timber products for building stacks • appropriate tools and equipment • personal protective equipment • specifications: <ul style="list-style-type: none"> • workplace safety and environmental documentation • organisational policies and procedures • work order and timber stack site plan • relationships: <ul style="list-style-type: none"> • person to confirm work orders and report issues with hand and power tools. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>

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