



Australian Government

FWPCOT3297 Operate automated stacking equipment

Release: 1

FWPCOT3297 Operate automated stacking equipment

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 5.0.

Application

This unit of competency describes the skills and knowledge required to use automatic or semi-automatic stacking equipment to build, monitor, strap and record packs of timber products in preparation for despatch.

The unit applies to individuals who operate automatic timber stacking equipment in the forest and wood products industry.

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 for stacking	1.1 Review work order to determine job requirements and, where required, seek clarification from appropriate personnel 1.2 Review environmental protection procedures and workplace health and safety requirements, including the use of personal protective equipment, equipment lock-out 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, assess and take actions to mitigate risks and hazards associated with operating automatic timber stacking equipment 1.4 Identify and implement workplace procedures for minimising and disposing of waste material, cleaning tools and equipment, and maximising energy efficiency 1.5 Select tools and equipment, and check for operational effectiveness 1.6 Obtain type and quantity of timber products to be stacked from a storage location 1.7 Plan stacking process according to work order
2. Stack, wrap and strap packs	2.1 Set up stacking machine to produce specified pack sizes according to work order 2.2 Build packs using timber products of a consistent type, size and thickness 2.3 Check bearers and protective strips for uniform thickness and damage 2.4 Place specified bearers, spacing sticks and protective strips squarely, evenly and consistently 2.5 Monitor stacked timber product for grade and quality 2.6 Reprocess or dispose of unacceptable components 2.7 Stack packs to correct product count or dimension, and check the safety of stacking 2.8 Strap, wrap and label packs according to workplace procedures 2.9 Avoid wastage of strapping and packaging materials, and maximise use of recycled materials
3. Complete operator maintenance	3.1 Lock out equipment according to workplace safety procedures 3.2 Check, maintain and clean automatic stacking machine mechanism 3.3 Keep machine area clear of dust and debris according to workplace safety procedures 3.4 Record and report production outcomes 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	Extracts essential information from operational manuals to determine safe operating procedures for equipment
Writing	Prepares routine written reports using the required format, language and structure
Oral communication	Employs active listening and questioning to clarify the content of work orders
Numeracy	- Counts numbers of timber products to be stacked, wrapped and packed - Identifies quantities of timber products in work order - Verifies quantities by re-counting components
Navigate the world of work	Understands main tasks, responsibilities and boundaries of own role
Interact with others	Uses modes of communication suitable to purpose to confirm and clarify understanding
Get the work done	Recognises and responds to routine problems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3297 Operate automated stacking equipment	FWPCOT3230 Operate automated stacking equipment	Updated workplace health and safety requirements to match across sections; updated foundation skills	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>

Assessment Requirements for FWPCOT3297 Operate automated stacking equipment

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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, on at least one occasion, the individual has operated automatic or semi-automatic stacking equipment and has:

- followed work order and relevant workplace health and safety and environmental protection procedures
- stacked and built packs of timber using an automatic or semi-automatic stacking machine according to an individual work order prescribing different types, dimensions and numbers of timber products to be packed
- completed the following tasks for each pack:
 - applied protective strips to packs
 - applied wrapping to packs to prevent water penetration during storage and transportation
 - strapped packs
 - labelled packs ready for storage or transportation
- completed operator maintenance on the automatic or semi-automatic stacking machine
- recorded and reported production outcomes and equipment faults to appropriate personnel.

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:

- types of risk and hazards and mitigation measures associated with operating stacking equipment
- range of industry standard lengths, cross-sections, appearance grades, markings and applicable terminology for relevant timber products
- purpose, features and operation of automatic or semi-automatic stacking machines
- typical workflow processes used to build, wrap and strap packs automatically
- methods for labelling timber products and packs for identification

- quality requirements for packs
- workplace procedures specific to operating automatic stacking machines:
 - workplace health and safety, with particular emphasis on equipment lock-out, use of personal protective equipment (PPE), and safe manual handling
 - communication reporting lines
 - recording and reporting production outcomes and equipment faults
- environmental protection practices for stacking and binding material:
 - reducing water and energy use
 - cleaning plant, tools and equipment
 - disposing of, recycling and reusing timber and other waste.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a timber processing plant, a timber product manufacturing plant or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - automatic or semi-automatic stacking machines
 - PPE suitable for operating automatic stacking machines
 - commercial quantities of timber products to be stacked, wrapped and strapped
 - materials from which to build packs
 - consumable strapping, packaging and labelling materials
- specifications:
 - work order with specific instructions for automatically stacking material
 - template documents for recording production outcomes and equipment faults
 - workplace procedures for operating automatic stacking machines.

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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