



Australian Government

FWPCOT3253 Convert timber residue into products for further use

Release: 1

FWPCOT3253 Convert timber residue into products for further use

Modification History

Release	Comment
1	Replaces equivalent unit FPICOT3253A Convert timber residue into products for further use, 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 convert timber residue from a process into products designed for further use.

The unit applies to Engineered Timber Products Technician, Production Technician, Machine Operator, Timber Fabricator.

No licensing, legislative, regulatory, or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Harvesting and Haulage

Sawmilling and Processing

Timber Manufactured Products

Timber Merchandising

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. Where bold italicised text is used, further information is detailed in the range of conditions.</i>

ELEMENTS	PERFORMANCE CRITERIA
1. Prepare for residue conversion processing operation	1.1 Identify timber residue product outcome and determine conversion process. 1.2 Review work order and confirm with appropriate staff. 1.3 Assess timber residue in line with conversion process requirements. 1.4 Select equipment for work requirements and check for operational effectiveness. 1.5 Transfer and store timber residue in line with material handling specifications and chain of custody priorities.
2. Undertake conversion process	2.1 Confirm product specifications and quality standards, and set plant and equipment to ensure outputs are compliant. 2.2 Establish and maintain communication with others on site to ensure safety. 2.3 Operate plant and equipment in line with safety standards, environmental requirements and residue output obligations and specifications. 2.4 Monitor process, ensuring inputs and outputs are compliant with product specifications. 2.5 Monitor, contain and dispose of waste in line with environmental and organisational protocols. 2.6 Inspect products to ensure they meet work order. 2.7 Transfer and store products in line with material handling specifications and chain of custody priorities.
3. Record outputs	3.1 Tally and record product volumes and any associated additives required, for conversion to a marketable product. 3.2 Record and report outputs for quality control and certification. 3.3 Report variations to output in line with organisational 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:

- tally and record product volumes

Oral communication skills to:	ask open and closed probe questions and actively listen to clarify contents of work orders.
Reading skills to:	- interpret: - workplace health and safety and other organisational procedures - work orders - manufacturers' instructions and maintenance recommendations.
Writing skills to:	complete accurate basic records for production outcomes, equipment faults and maintenance requirements.
Problem solving skills to:	identify problems and faults with equipment and demonstrate appropriate responses.
Planning and organising skills to:	efficiently and logically sequence the stages of preparation and production using work order to guide activities.

Range of Conditions

Not Applicable

Unit Mapping Information

FPICOT3253A Convert timber residue into products for further use

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 FWPCOT3253 Convert timber residue into products for further use

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Release	Comment
1	Replaces equivalent unit FPICOT3253A Convert timber into products for further use, 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:

- safely and effectively convert timber residue into products for further use
- follow organisational policies and procedures for converting timber residue
- read work order to establish conversion process requirements
- convert timber residue into marketable products in line with product specifications and environmental requirements
- monitor, contain and dispose of waste in line with environmental and organisational protocols
- transfer and store timber residue and products in line with chain of custody priorities
- report and record information about the conversion process.

Knowledge Evidence

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

- product grading and assessment techniques
- characteristics of wood chips and stock levels
- chip production process
- timber production processes
- storage systems and labelling

- alternative products for timber residue
- established communication channels and protocols
- typical tools and equipment used to convert timber products, and procedures for their safe use and maintenance including
 - processing plant
 - hand tools
 - transfer systems
 - chippers
 - washing plants
 - aggregate sorters
- procedures for the recording, reporting and maintenance of workplace information
- environmental protection requirements, including the safe disposal of waste material (including preservative treated timber), the safe use and storage of chemicals and the cleaning of plant, tools and equipment
- organisational and site standards, policies and procedures for grading and handling wood and timber residue
- environmental risks and hazards.

Assessment Conditions

The following resources must be made available:

- timber residue to be converted
- conversion tools and equipment
- workplace requirements and site standards for converting timber residue into products for further use.

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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