



Australian Government

FWPTMM4216 Plan for and supervise engineered wood product operations

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 8.0.

Application

This unit of competency describes the skills and knowledge required to plan, coordinate and evaluate the manufacture of engineered wood products, including plywood, laminated veneer lumber (LVL), particleboard, medium-density fibreboard (MDF), cross laminated timber (CLT), finger jointed product and glue laminated timber (GLT) production.

The unit applies to personnel responsible for planning and supervising the manufacturing of engineered wood products including plywood, LVL, particleboard, MDF, CLT and GLT.

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

Timber Manufactured Products (TMM)

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 production of engineered wood product	1.1 Review production schedule and confirm production targets, specifications and performance indicators 1.2 Confirm workplace health and safety, quality and environmental

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	protection practices and procedures 1.3 Identify hazards and associated risks, and implement corrective actions according to workplace procedures 1.4 Confirm legislation, standards and codes of practice relevant to production of engineered wood products 1.5 Inspect raw materials, identify possible production and quality implications, and communicate variations to production methods to team members 1.6 Communicate production schedule, including production targets, specifications and performance indicators, to team members 1.7 Maintain communication with team members to ensure production schedule and workplace health and safety, environmental protection and quality practices and/or procedures are met
2. Supervise production of engineered wood product	2.1 Monitor workflow and production, and check that targets, performance indicators and product specifications are met 2.2 Assist team members to evaluate engineered wood product, identify faults and rectify or report production problems 2.3 Monitor implementation of quality processes and chain of custody requirements 2.4 Evaluate effectiveness of production processes at key points 2.5 Modify production processes or schedules, as required, to ensure optimum performance 2.6 Monitor implementation of processes for reuse, recycling or disposal of sub-standard engineered wood product 2.7 Respond to breakdowns, disruptions to production and unplanned events according to workplace procedures 2.8 Direct engineered wood product to storage or transfer for further processing
3. Oversee maintenance and inventory management requirements	3.1 Monitor implementation of routine and preventative maintenance and cleaning requirements 3.2 Maintain product and material inventory levels to meet production and contingency requirements

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
4. Evaluate production of engineered wood product	4.1 Analyse data and observations on production, operations, faults and output to identify opportunities for process improvement 4.2 Report on production, health and safety, environment and quality metrics to appropriate personnel according to workplace procedures 4.3 Seek comments and feedback from team members to identify opportunities for process improvement 4.4 Analyse feasibility of potential process improvements 4.5 Document process improvements, and communicate to appropriate personnel according to workplace procedures

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	Interpret/analyse technical documents and workplace policies and procedures relevant to the production of engineered wood products
Writing	Complete workplace documents on routine and non-routine matters for a variety of audiences
Oral communication	Use appropriate vocabulary to communicate on technical and work team performance matters related to the production of engineered wood products
Numeracy	Analyse statistical data on production, quality, health and safety and environmental protection relevant to production of engineered wood products

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPTMM4216 Plan for and supervise	Not applicable	The unit has been created to address a skill or task	Newly created

engineered wood product operations		required by industry that is not covered by an existing unit	
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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 FWPTMM4216 Plan for and supervise engineered wood product operations

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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 planned for and supervised two production cycles for one engineered wood product selected from:

- plywood
- laminated veneer lumber (LVL)
- particleboard
- medium-density fibreboard (MDF)
- cross laminated timber (CLT)
- glue laminated timber (GLT)
- finer jointed product.

In performing this task, the individual has:

- communicated effectively and coordinated personnel to follow planning, workplace health and safety and environmental protection practices and/or procedures and scheduling for engineered wood product production
- complied with legislation, standards and codes of practice relevant to production of engineered wood products
- monitored engineered wood product production outcomes and identified and rectified production and equipment problems and faults
- modified production methods and schedules for engineered wood product production
- monitored implementation of quality processes and chain of custody requirements
- recorded and reported production information, including output, quality and faults
- evaluated wood-based product production and suggested one process improvement.

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:

- key requirements of legislation, standards and codes of practice relevant to production of engineered wood products
- hazards and associated risks with engineered wood product production process, and risk control strategies as identified through risk assessments, manufacturer technical information, regulations and industry health and safety guides
- workplace procedures, policies and site standards specific to planning and supervising production of engineered wood product, including:
 - health and safety, including personal protective equipment (PPE)
 - environmental protection, including safe disposal of waste material
 - quality assurance, including chain of custody requirements
 - communication channels and protocols to communicate with team members
 - recording and reporting information on production, quality, workplace health and safety and equipment faults
- types, characteristics, grades and uses of engineered wood product relevant to workplace environment
- stages and production processes used for engineered wood product
- types, uses and operation of plant, machinery and equipment used in production of engineered wood product
- methods for problem identification, including equipment failures at process stages, bottlenecks in production process and product variations, and resolution strategies
- process improvement for engineered wood product operations, including:
 - data
 - methods
 - participative approaches
 - communication.

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 an engineered wood product manufacturing plant or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - engineered wood product processing plant and equipment
 - timber supplies
 - computers, keyboards, printers and software used to prepare planning and production documents
 - PPE relevant to engineered wood product operations

- specifications:
 - production schedule, quality and output data for engineered wood product from production facility
 - workplace procedures for engineered wood product production
 - workplace health and safety and environmental protection policies and/or procedures applicable to engineered wood product production
- relationships:
 - work team for communicating requirements related to engineered wood product operations.

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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