



Australian Government

FWPFOM5006 Implement practices to maximise value from wood residues

Release: 1

FWPFOM5006 Implement practices to maximise value from wood residues

Modification History

Release	Comments
Release 1	This version released with Forest and Wood Products Training Package Version 7.0.

Application

This unit of competency describes the skills and knowledge required to evaluate and implement effective wood management practices that ensure maximum product value recovery and adherence to environmentally sustainable principles. It can apply to the full scope of forest and wood products industry workplaces and to operations of all sizes.

The unit applies to individuals who are responsible for maximising product value recovery in forest operations.

All work must be carried out to comply with workplace procedures according to state/territory health and safety and food 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

Forest Operations Management (FOM)

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. Scope a value maximisation plan	1.1 Review management plans and workplace priorities with respect to value maximisation requirements 1.2 Identify required production authorisations, determine timeline

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	and budget and check with appropriate personnel 1.3 Determine applications and demand for wood and residue material, and document according to workplace procedures 1.4 Determine and document any special process requirements and product value chain 1.5 Consult with stakeholders to obtain input to the plan 1.6 Determine and document most appropriate value maximisation options for the organisation or site
2. Develop and document a value maximisation plan	2.1 Identify legal, workplace, environmental protection and best practice parameters governing wood management practices 2.2 Determine and document in the plan the most appropriate value maximisation practices for the workplace 2.3 Document methodology, schedule, budget and legal requirements for implementation of value maximisation practices 2.4 Define technology, materials and resources required for implementation of value maximisation plan 2.5 Develop value maximisation plan and submit to the appropriate personnel for approval
3. Implement value maximisation practices	3.1 Implement value maximisation practices identified in the plan according to methodology, schedule, budget and legal requirements 3.2 Obtain required authorisations for use of technology, materials and resources 3.3 Communicate production schedule for value maximisation plan to appropriate personnel 3.4 Establish processes to monitor implementation of the plan
4. Review implementation of value maximisation plan	4.1 Monitor value maximisation plan and review against methodology and production schedule 4.2 Analyse information and data to determine effectiveness of value maximisation practices 4.3 Prepare improvement recommendations based on information, data analysis and consultative processes 4.4 Record and report outcomes 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
Oral communication	Engage in high-level consultative discussions to generate ideas for and negotiate content of value maximisation plans
Reading	Interpret complex written information in a range of internal and external source documents to plan maximisation practices
Writing	Develop and document comprehensive value maximisation plans in a style and format easily understood by a range of employees
Numeracy	Interpret and calculate complex numerical data to establish and manage budgets

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPFOM5006 Implement practices to maximise value from wood residues	FWPCOR6202 Implement practices to maximise value from wood residues	Minor edits to Elements and Performance Criteria Updated Performance Evidence, Knowledge Evidence and Conditions of Assessment to meet requirements of Standards for Training Packages	Equivalent

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 FWPFOM5006 Implement practices to maximise value from wood residues

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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 developed, documented and coordinated the execution and evaluation of one wood value maximisation plan for a forest or wood products operation.

In performing this activity, the individual has:

- established the extent of the wood value maximisation strategy, as well as the legal, occupational, environmental, and best practise standards
- detailed the methodology for the execution of wood value maximisation, including timetable, budget, legal requirements, technology, materials, and resources required, as well as the most relevant practices.
- communicated production schedule for maximising the value of the product according to the plan
- monitored and reported implementation of the plan against methodology and production schedule
- provided recommendations for future improvements based on information, data analysis and consultative processes.

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:

- commonwealth, state or territory legislation or regulations applicable to wood management practices
- current government and industry initiatives, codes of practice and guidelines relevant to wood management practices
- different applications for wood and residue material, markets and general market value:
 - poles
 - piles and bridge timbers

- veneer logs
- saw logs
- chip logs
- charcoal logs
- woody biomass
- structural and non-structural timbers
- timber composites
- timber panel products
- timber engineered products
- eucalyptus oil
- extractives
- potential uses for wood residues and by-products, markets and general market value
- production practices that avoid or reduce wood residues
- role of wood or waste products in generating renewable energy through biomass
- authorisations, permits and licences relating to:
 - sites or properties
 - hours of operation
 - use and application of chemicals
 - environmental issues
- processes and practices for:
 - internal and external consultation
 - developing and implementing value maximisation plans
 - collecting and analysing relevant data
 - evaluating and modifying plans
- format, content and use of value maximisation plans.

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 a forest work environment or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - computing equipment to prepare wood value maximisation plans
- specifications:
 - comprehensive information about the operation of a real or simulated business to determine value maximisation practices
 - workplace policies and procedures regarding wood value maximisation
 - access to workplace safety and environmental policies and procedures applicable to forestry 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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