



Australian Government

FWPFOM5003 Contribute to and implement a forest harvesting plan

Release: 1

FWPFOM5003 Contribute to and implement a forest harvesting plan

Modification History

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

Application

This unit of competency describes the skills and knowledge required to contribute to the development and implementation of a forest harvesting plan for established coupes with the aim of maximising output and cost efficiencies.

The unit applies to individuals who are involved in developing and implementing forest harvesting plans.

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

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. Prepare for developing forest harvesting plan	1.1 Assess workplace health and safety, environmental and regulatory requirements for harvest activities 1.2 Determine coupe locations using map and grid references, and

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	establish boundaries 1.3 Identify local authority coverage and approved land use zonings, and apply for approvals 1.4 Obtain land ownings according to workplace procedures 1.5 Assess ramifications of environmental issues documented in previous harvesting plans 1.6 Report outcomes of initial findings to appropriate personnel, and confirm further actions
2. Support development of forest harvesting plan	2.1 Assess and record topography, forest types and available species 2.2 Calculate gross area of each coupe and determine net area to be harvested 2.3 Calculate and record volume estimates for each coupe 2.4 Determine harvesting and cartage requirements 2.5 Assess environmental conditions and plan site preparation, access and operational activities 2.6 Liaise and seek support from senior personnel during preparation of draft harvesting plan, as required 2.7 Produce draft harvesting plan according to workplace procedures 2.8 Forward draft harvesting plan to appropriate personnel and confirm further actions
3. Coordinate implementation of harvesting plan	3.1 Confirm contractual arrangements with contractors for implementation of harvesting plan 3.2 Monitor ongoing implementation of harvesting operations against harvesting plan 3.3 Monitor contractor compliance with production, environment protection and other contractual requirements 3.4 Identify and resolve contractor non-compliances within scope of responsibility and workplace procedures 3.5 Report on implementation of harvesting plan to appropriate personnel
4. Review implementation of harvesting plan	4.1 Gather and assess information on implementation of harvesting plan according to workplace procedures 4.2 Consult with contractors, senior personnel and other stakeholders

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	on potential improvements to harvesting plan 4.3 Forward report on review of harvesting plan, including suggestions for future improvements to planning and implementation of harvesting operations, 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	Interpret complex written regulatory and environmental information affecting harvesting plans
Writing	Prepare complex written documents, including detailed approval applications for harvesting plans
Oral communication	Use verbal and non-verbal communication and active listening skills to communicate with contractors and resolve issues associated with implementation of harvesting plans
Numeracy	Perform calculations involving gross and nett spatial areas, volumes of extraction and weight for cartage

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPFOM5003 Contribute to and implement a forest harvesting plan	FWPHAR5201 Design harvest plans	Redesigned unit that includes content from FWPHAR5201 Design harvest plans, and FWPFGM5216 Manage coupe planning	Not equivalent
FWPFOM5003 Contribute to and implement a forest	FWPFGM5216 Manage coupe	Redesigned unit that includes content from FWPHAR5201 Design	Not equivalent

harvesting plan	planning	harvest plans, and FWPFGM5216 Manage coupe planning	
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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 FWPFOM5003 Contribute to and implement a forest harvesting plan

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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, under the supervision of a senior forester, the individual has developed a harvesting plan for an established coupe and overseen harvesting operations.

In undertaking this activity, the individual has:

- confirmed requirements pertinent to forest harvesting planning and obtained approvals for land use zoning and land owning
- determined coupe locations, assessed site conditions and calculated area and volumes to be harvested
- planned site preparation, including access to site and operational activities
- consulted with appropriate personnel on draft harvesting plan
- confirmed contractual requirements for the forest harvesting operations, monitored contractor compliance in relation to at least one of the following:
 - production
 - environmental protection
- presented recommendations for future improvements to planning and implementation of forest harvesting operations.

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, territory or local government regulations and codes of practice relevant to harvesting operations
- harvesting plans:
 - principles of harvest planning
 - purpose of harvesting plans
 - format and content of harvesting plans

- land use zoning and land owning approval processes
- harvesting and extraction methods
- operational issues impacting on harvesting operations:
 - contractual arrangements with harvesting contractors and other suppliers
 - site preparation
 - operation of landings and snig tracks
 - cartage operations
 - environmental hazards
 - physical and cultural environment protection practices
 - workplace health and safety hazards
 - risks and control measures
 - fire protection requirements
 - wet weather operations and restrictions
- workplace standards, policies and procedures for the design and implementation of harvest activities:
 - workplace health and safety for harvesting operations
 - environmental protection
 - documenting harvesting plans
 - communication reporting lines for plan content.

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:
 - access to coupes to be harvested
 - computing hardware and software for documenting harvesting plans
- specifications:
 - reference materials for coupes to be harvesting, including topographic maps, information on land use zonings and application forms, template harvesting plans
 - workplace standards, policies and procedures for the development and implementation of harvesting plans
 - access to commonwealth, state, territory or local government regulations and codes of practice relevant to harvesting operations
 - 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.

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