



Australian Government

FWPHAR4205 Implement harvesting plans

Release: 1

FWPHAR4205 Implement harvesting plans

Modification History

Release	Comment
1	Replaces equivalent unit FPIHAR4205B Implement harvesting plans, 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 implement forest or farm forest harvesting plans for established coupes to maximise output and cost efficiencies.

The unit applies to job roles including Harvesting Supervisor, Harvesting Team Leader, Forestry Supervisor, Forestry Operations Supervisor, Arboriculture Supervisor, Farm Forestry Supervisor, Propagation and Stand Health Supervisor and Tree Farm Supervisor.

Licensing, legislative, regulatory, or certification requirements apply to this unit in some states & territories at the time of publication, and may differ according to jurisdiction.

Pre-requisite Unit

Nil

Unit Sector

Harvesting and Haulage

Elements and 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>
1. Plan coupe harvesting	1.1 Access and interpret harvesting plan and check where required with appropriate personnel. 1.2 Calculate size of coupe and available timber. 1.3 Estimate equipment, human and other resource requirements. 1.4 Draw up personnel plans and schedules and notify coupe harvesting date and location to employees.

	1.5 Organise availability of appropriate equipment and ensure operational effectiveness. 1.6 Apply for planning permits.
2. Implement harvesting plans	2.1 Analyse and record forest type, topography and available species in line with harvesting plan. 2.2 Calculate gross area of coupe and determine nett area to be harvested. 2.3 Calculate and record volume estimates. 2.4 Implement and monitor operational activities including access, site preparation and environmental and workplace health and safety protection measures. 2.5 Contract cartage operators via tender and set cartage routes. 2.6 Produce, check and communicate schedule for harvesting.
3. Review harvesting work plan	3.1 Identify and evaluate problems encountered during harvesting and use information to enhance future planning. 3.2 Review and evaluate personnel and equipment efficiencies and use information to enhance future planning. 3.3 Identify and document environmental issues encountered during harvesting and feed into future planning processes. 3.4 Record harvesting plan implementation issues and report to appropriate personnel

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:	complete complex calculations involving gross and nett spatial areas, volumes of extraction and numbers of required equipment, human and other resources.
Oral communication skills to:	ask open and closed probe questions and actively listen to clarify contents of harvest plans.
Reading skills to:	interpret detailed harvesting plans and permit applications.
Writing skills to:	- complete detailed planning permit applications - document detailed and accurate work plans - complete detailed and accurate reports on harvesting plan implementation issues.

Planning and organising skills to:	plan and organise all operational activities for harvesting.
Problem-solving skills to:	identify environmental and operational issues during implementation and identify improvements for future planning processes.
Self-management skills to:	self-manage own timing and productivity to implement harvesting plans.
Technology skills to:	- use computers and software programs for documenting harvest work plans - select equipment appropriate for the particular harvesting operation.

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Range of Conditions

Not Applicable

Unit Mapping Information

FPIHAR4205B Implement harvesting plans

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 FWPHAR4205 Implement harvesting plans

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1	Replaces equivalent unit FPIHAR4205B Implement harvesting plans, 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:

- follow organisational policies and procedures relevant to implementing harvesting plans
- plan harvesting including
 - calculating timber
 - estimating and coordinating resources and equipment
 - obtaining planning permits
- implement harvesting plans including
 - calculating and reporting volume estimates
 - ensuring environmental protection requirements are adhered to
 - estimating and coordinating resources and equipment
 - tendering and issuing harvesting and cartage contracts
- reviewing harvesting plans

Knowledge Evidence

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

- planning permit application and approval processes
- harvesting and extraction methods
- harvesting volume calculations and aspects

- key features of operational issues for harvesting coupes:
 - site preparation
 - operation of landings and snig tracks
 - cartage operations
- environmental hazards and protection measures:
 - minimising temporary, short-term, long-term and permanent damage to natural vegetation and landscape
 - soil and water protection
 - safe disposal of waste material
 - cleaning of plant, tools and equipment
- workplace health and safety hazards, risks and control measures
- fire protection requirements
- wet weather operations and restrictions
- types of equipment used for harvest operation; their purpose, features and operation
- types of personnel used for harvest operations; an overview of job roles
- organisational standards, policies and procedures for harvest operations:
- documenting harvest work plans
- communication reporting lines
- recording and reporting harvest plan implementation issues.

Assessment Conditions

The following resources must be made available:

- computers and software programs used for documenting harvest work plans
- information on planning permits and application forms
- harvest plan with specific details for the coupe
- template harvest work plans
- organisational standards, policies and procedures for harvest operations

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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