



Australian Government

FWPHAR4209 Plan for and coordinate forest harvesting operations

Release: 2

FWPHAR4209 Plan for and coordinate forest harvesting operations

Modification History

Release	Comments
Release 2	This version released with FWP Forest and Wood Products Training Package Version 8.0.
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 plan and coordinate harvesting operations according to a harvesting plan for an established coupe.

The unit applies to individuals involved in planning and supervising forest harvesting operations.

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

Harvesting and Haulage (HAR)

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. Plan harvesting operations	1.1 Review harvesting plan and, where required, seek clarification from appropriate personnel

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.2 Confirm workplace health and safety procedures, including the use of personal protective equipment (PPE), lock-out procedures and safe use of plant and equipment 1.3 Identify, assess and take actions to mitigate risks and hazards associated with harvesting operations 1.4 Identify workplace environmental protection practices and/or procedures for protecting natural and cultural assets, minimising and disposing of waste material, fire prevention and control, and cleaning plant and equipment 1.5 Calculate size of coupe and available timber according to workplace procedures 1.6 Source and confirm availability of personnel, plant and equipment required for harvesting operation 1.7 Establish work plans and schedules for employees and inform them of coupe location and harvesting date 1.8 Apply for planning permits 1.9 Produce harvesting schedule according to harvesting plan and workplace procedures
2. Coordinate harvesting operations	2.1 Confirm forest type, topography, tree species and weather conditions and associated restrictions 2.2 Confirm chain of command for communicating instructions and information 2.3 Calculate gross area of coupe and determine nett area to be harvested according to harvesting plan and workplace procedures 2.4 Calculate and record volume of logs to be harvested according to harvesting plan and workplace procedures 2.5 Manage and monitor harvesting activities according to harvesting plan and workplace procedures 2.6 Monitor compliance with workplace health and safety, environmental protection and operating practices and/or procedures, and harvest plan requirements 2.7 Contract cartage operators and set cartage routes according to harvesting plan and workplace procedures 2.8 Record outcomes of harvesting activities according to workplace procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
3. Review harvesting operations	3.1 Review harvesting operations, evaluate problems and report to appropriate personnel according to workplace procedures 3.2 Use information gathered from review in planning future harvesting operations

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 and unfamiliar regulatory and environmental information affecting harvest plans
Writing	Complete complex documents and forms
Oral communication	Ask open and closed questions and use active listening skills to clarify work requirements
Numeracy	Perform complex calculations involving gross and nett spatial areas and volumes of extraction

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPHAR4209 Plan for and coordinate forest harvesting operations Release 2	FWPHAR4209 Plan for and coordinate forest harvesting operations Release 1	Minor edits to clarify performance criteria	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 FWP HAR4209 Plan for and coordinate forest harvesting operations

Modification History

Release	Comments
Release 2	This version released with FWP Forest and Wood Products Training Package Version 8.0.
Release 1	This version released with FWP Forest and Wood Products Training Package Version 7.0.

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 and coordinated harvesting operations according to a harvesting plan for one established coupe.

In performing this task, the individual has:

- confirmed workplace health and safety procedures, including the use of personal protective equipment (PPE), lock-out procedures and safe use of plant and equipment
- confirmed chain of command for communicating instructions and information
- reviewed harvesting plan, produced harvesting schedule and identified all personnel, equipment and materials required for harvesting operation
- coordinated and monitored the implementation of the harvesting plan for the coupe
- monitored compliance with environmental protection, health and safety and workplace procedures and harvest plan requirements
- reviewed harvesting operations, evaluated problems and reported to appropriate personnel
- used information gathered from review of harvesting operation in planning future 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:

- planning permit application and approval processes
- harvesting and extraction methods
- harvesting volume calculations
- key features of operational issues for harvesting coupes, including:
 - site preparation

- operation of landings and snig tracks
- cartage operations
- environmental hazards and protection measures, including:
 - 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, features, purpose and operation of equipment used for harvest operation
- personnel used for harvest operations
- workplace policies and procedures for harvest operations, including:
 - documenting harvest work plans
 - communication reporting lines
- recording and reporting harvest plan implementation issues.

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:
 - a coupe for a harvesting operation
- specifications:
 - harvest plan
 - workplace policies and procedures for implementing harvest plans
 - workplace health and safety and environmental protection policies and/or 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

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>