



Australian Government

FWPSIL4006 Plan for and coordinate a pests and diseases assessment

Release: 1

FWPSIL4006 Plan for and coordinate a pests and diseases assessment

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 assess the presence and level of pests and diseases within a forest area. The unit includes the assessment of animal populations, weeds, diseases and pests.

The unit applies to individuals involved in planning and supervising a pests and diseases assessment as part of forestry 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

Silviculture (SIL)

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare for pests and diseases assessment	1.1 Determine frequency of assessment activities and calculate size of sample area, taking into account inventory programs, budgets and workplace guidelines 1.2 Apply physical, biological and environmental indicators to

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	determine the presence of pests and diseases in a forested area 1.3 Select methods of pest and disease measurement according to the forest management plan and relevant regulatory requirements 1.4 Identify and adhere to site environmental protection measures and biosecurity strategies 1.5 Select method of assessment with regard to the forest type, pest and disease type, environment protection requirements and workplace procedures 1.6 Coordinate people, materials and equipment for the pests and diseases assessment 1.7 Organise schedule for the pests and diseases assessment in conjunction with other relevant forest operations personnel 1.8 Obtain permits or licences required for the assessment
2. Coordinate implementation of pests and diseases assessment	2.1 Direct personnel undertaking the assessment 2.2 Coordinate the collection of data on pests and diseases 2.3 Ensure personnel engaged in assessment activities comply with environmental, legislative and workplace requirements 2.4 Communicate regularly with contractors and operational staff to ensure smooth operation and progress 2.5 Monitor and review assessment activities and consult operational staff and contractors for potential improvements 2.6 Collate and interpret assessment data
3. Report on assessment outcomes	3.1 Record and report on assessment outcomes according to workplace procedures 3.2 Review assessment method for potential improvements

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
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Skill	Description
Reading	Interpret familiar and detailed organisational policies and procedures and complex documents such as forest management plans
Writing	Produce detailed reports on the outcomes of the pests and diseases assessment
Oral communication	Ask open and closed questions and use active listening techniques to gather information related to the presence and level of pests and diseases within a forest area
Numeracy	Interpret complex numerical data relating to the presence and level of pests and diseases within a forest area

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPSIL4006 Plan for and coordinate a pests and diseases assessment	FWPFGM4204 Conduct a pests and diseases assessment	New title Revised Elements and Performance Criteria Revised Performance Evidence and Knowledge Evidence Revised Assessment Conditions in line with requirements of Standards for Training Packages	Not 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 FWPSIL4006 Plan for and coordinate a pests and diseases assessment

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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, coordinated the implementation and reported on the outcomes of one pest or disease assessment in one of the following types of forested areas:

- native forest
- plantation.

In undertaking this activity, the individual has:

- followed workplace policies and procedures and biosecurity strategies relevant to conducting a pest or disease assessment
- identified the physical, biological and environmental indicators of the presence of pests or diseases in a forested area
- accurately and safely determined the level and presence of pests or diseases in a sample area
- coordinated people, resources and equipment for a pest or disease assessment
- communicated with contractors and operational staff to facilitate the implementation of the pest or disease assessment
- accurately interpreted data collected through the pest or disease assessment
- identified ways of improving future pest or disease assessments
- recorded and reported on the outcomes of the pest or disease assessment.

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:

- applicable commonwealth, state or territory legislation, regulations, standards, codes of practice and established safe practices for conducting pests and diseases assessment
- environmental protection requirements and biosecurity strategies relevant to conducting a pests and diseases assessment

- workplace policies and procedures for conducting pests and diseases assessment
- types of pests and diseases, including:
 - fauna, including avian fauna, rodents, feral cats, wild dogs and insects
 - flora, including weeds and invasive plants and diseases that affect plants
- methods and techniques to assess animal populations, diseases, pests and weeds
- methods for measuring and collecting data on pests and diseases
- safe use and application of tools and equipment used to conduct a pests and diseases assessment
- procedures to obtain a permit or licence to conduct a pests and diseases assessment.

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:
 - forest site suitable to conduct a pests and diseases assessment
- specifications:
 - workplace safety and environmental policies and procedures applicable to forestry operations
 - workplace policies and procedures relevant to pests and diseases assessment.

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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