



Australian Government

FWPFIR3001 Assess fire risk

Release: 1

FWPFIR3001 Assess fire risk

Modification History

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

Application

This unit describes the skills and knowledge required to continually monitor and assess the potential for fire in forestry operations.

The unit applies to individuals working in a broad range of roles in forestry operations.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Fire Control (FIR)

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. Confirm measures to reduce fire risk	1.1 Determine requirements from site fire risk management plan, including agreed chain of command and control and responsibilities of forest personnel 1.2 Confirm site compliance with the firefighting requirements of relevant fire service or regulatory agency 1.3 Confirm firefighting equipment is fully assembled, available and ready for immediate use at all times 1.4 Check serviceability of communication systems and reception levels

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.5 Check features of forest area pertinent to fire risk, including fuel load, maintenance of fire trails, fuel breaks and water storages
2. Evaluate fire risk	2.1 Assess weather conditions, weather reports for changes in prevailing conditions, and fire weather warnings 2.2 Identify potential ignition sources, including hot work, chainsaws, friction sources and machinery with potential to create fire hazards 2.3 Identify quantity, type and arrangements of fuels found on site with potential to create fire hazards 2.4 Assess topography and accessibility of coupe, including the location of escape routes and safe zones 2.5 Identify other forest users and their compliance with fire risk management plan 2.6 Review risk factors and assess fire risk of forestry activity being undertaken 2.7 Determine fire risk level and mitigation measures required to reduce fire risk of forestry activity being undertaken
3. Report fire risk	3.1 Record fire risks associated with forestry activity being undertaken 3.2 Report fire risk and potential mitigation measures 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	Identify and extract basic information from print and electronic sources on fire risk assessment
Writing	Use technical and enterprise specific vocabulary to complete workplace records and forms
Oral communication	Use questioning skills to gather information from operational staff on fire risks
Numeracy	Interpret numerical and graphical material in weather reports

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPFIR3001 Assess fire risk	FWPCOR3203 Evaluate fire potential and prevention	Reworded title Updated Application Updated Elements and Performance Criteria Updated Performance Evidence and Knowledge Evidence Updated Foundation Skills and Assessment Conditions	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 FWPFIR3001 Assess fire risk

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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 assessed the fire risk while undertaking routine work activities in a daily forestry operation.

In performing this activity, the individual has:

- checked serviceability of firefighting equipment and communication systems
- inspected forest area pertinent to fire risk, identified fire hazards and assessed associated fire risks and control measures factoring in:
 - weather conditions
 - quantity, type and arrangement of fuels
 - ignition sources
 - topography
 - accessibility of coupe
 - communication systems and reception levels
- recorded and reported fire risk and potential mitigation measures.

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:

- fire risk management plans
- weather conditions and their effect on fires:
 - winds
 - electrical storms
 - lightning
 - heat
 - humidity
- fire weather warnings

- fire risks and associated control measures:
 - weather history and patterns
 - quantity, type and arrangement of fuels
 - ignition sources, including hot work, chainsaws, friction sources and machinery with potential to create fire hazards
- factors contributing to the fire risk level
 - topography
 - coupe accessibility
 - availability of water
 - communication systems and reception levels
- features of forest areas pertinent to fire risk:
 - fuel load
 - maintenance of fire trails
 - fuel breaks
 - water storages
- firefighting equipment and communication systems.

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 forestry work environment or an environment that accurately represents workplace conditions
- resources, equipment, and materials:
 - firefighting equipment
 - weather reports and fire weather warnings
- specifications:
 - access to fire risk management plans
 - access to workplace document for recording fire risks and incidents.

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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