



Australian Government

AHCFIR504 Manage wildfire hazard reduction programs

Release: 1

AHC FIR504 Manage wildfire hazard reduction programs

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.

Application

This unit of competency describes the skills and knowledge required to manage wildfire hazard reduction programs.

The unit applies to those whose job role includes managing wildfire hazard reduction programs through planning, advising and monitoring the performance of operational personnel undertaking fire prevention activities. They have accountability for the work of others and analyse, design and communicate solutions to a range of complex problems.

Legislation and regulations apply to planned burns in many jurisdictions. Users are advised to check with the relevant regulatory authority.

Pre-requisite Unit

Nil

Unit Sector

Fire (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. Develop wildfire prevention strategies	1.1 Conduct a potential wildfire hazard rating for a target site according to accepted industry rating systems 1.2 Conduct a potential risk assessment from wildfires for buildings, structures and cultural sites 1.3 Confirm wildfire hazard reduction strategies incorporates social, environmental and economic impacts 1.4 Consult and gain support from stakeholders for proposed wildfire

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	hazard reduction strategy 1.5 Develop strategies for proposed wildfire hazard reduction according to workplace priorities, local fire agencies and legislative requirements 1.6 Confirm strategies comply with workplace health and safety, public health and safety and animal welfare regulatory requirements and workplace guidelines
2. Implement and monitor wildfire hazard reduction	2.1 Determine equipment, chemicals and bio-agents required for hazard reduction activities 2.2 Implement hazard reduction strategies as developed according to workplace plans, policies and procedures, local fire agency and legislative requirements 2.3 Incorporate biosecurity and environmentally sustainable practices in hazard reduction plans 2.4 Coordinate hazard reduction activities with relevant agencies and other land users 2.5 Monitor progress of hazard reduction activities 2.6 Review hazard reduction plans, strategies and operational procedures and process recommendations for change
3. Process records	3.1 Report recommended changes to plans and strategies 3.2 Ensure records are maintained for quantities and type of chemicals or biological agents used for hazard reduction 3.3 Ensure records are maintained for hazard reduction actions 3.4 Process incident report

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	Draw on a broad range of strategies to build and maintain for rating systems, legislations, regulations and workplace policies

Skill	Description
	and procedures
Writing	• Prepare documentation expressing ideas, exploring complex issues and construct logical, succinct and accurate strategies
Oral communication	• Establish and maintain complex and effective communication for a broad range of stakeholders including agencies, private landholders and local community

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHC FIR504 Manage wildfire hazard reduction programs	AHC FIR501 Manage wildfire hazard reduction programs	Minor edits to Application and Performance Criteria for clarity Consolidated detail from Performance Criteria into Performance Evidence Consolidated Performance criteria 2.2 and 2.3 into one	Equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHC FIR504 Manage wildfire hazard reduction programs

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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 on at least one occasion the individual has developed and managed a wildfire hazard reduction program in accordance with workplace procedures, local fire agencies, workplace health and safety policies and legislative requirements.

There must also be evidence that the individual has:

- rated the site for wildfire hazards and risks for the following conditions:
 - environment
 - buildings and structures
 - cultural sites
 - fuel loads
 - climate and local weather
 - location
 - accessibility
 - ecology
- developed effective strategies for wildfire hazard reduction that comply with local fire agency and regulatory requirements
- planned wildfire hazard reduction programs that take into account:
 - location and local fire history
 - climate
 - fuel loads
 - accessibility to the site
- reviewed hazard reduction plans, strategies and operational procedures with other agencies
- maintained records for the following:
 - chemical agents used in hazard reduction
 - fire incidents

- activities employed
- date of activity
- location or site where activity occurred
- managed consultation with local community to ensure their support for program
- applied workplace health and safety policies and procedures in the planning and implementation of wildfire hazard reduction strategies
- applied biosecurity measures to wildfire hazard reduction planning
- incorporated sustainability practices in wildfire hazard reduction planning.

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:

- wildfire prevention strategies and their effect on society, economy and the environment
 - mechanical clearing and removal
 - chemical control
 - fire and prescribed burns
- methods for assessing and rating wildfire hazards and risks
- factors affecting the rating of potential hazards and risks of wildfire, including:
 - local fire history
 - fuel loads
 - climate
 - location
 - accessibility
 - geophysical systems
 - ecology
 - environmentally sustainable practices
 - biosecurity
 - workplace and community priorities
 - workplace health and safety
 - local fire agency and legislative requirements
- contacting local emergency services and agencies for emergencies
- land tenure and responsibilities, including:
 - local authorities
 - other government agencies
 - private land
 - other land users
- hazards associated with wildfire prevention strategies
- fire behaviour in a rural/bush environment in known climatic conditions
- equipment applicable to wildfire hazard reduction, including:
 - safe use

- performance
- accessibility and approvals
- safety issues for the environment and public health
- records and recording systems required for hazard reduction activities, including:
- the types and use of chemicals and biological agents, their hazards and how they should be handled
- procedures and priorities for wildfire hazard reduction programs
- workplace health and safety, local fire agencies and legislative requirements that apply to prescribed burns.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - at a site requiring a wildfire hazard reduction program
- resources, equipment and materials:
 - digital technology and web based resources to assist with rating wildfire hazard and prepare management program
- specifications:
 - wildfire hazard rating systems
 - workplace policies and procedures for wildfire management
 - legislation, regulations and codes of practice for wildfire management
- relationships:
 - team to implement fire hazard reduction program.

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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