



Australian Government

**Assessment Requirements for AHCFIR503
Plan and evaluate burning for fuel,
ecological and cultural resource
management**

Assessment Requirements for AHC FIR503 Plan and evaluate burning for fuel, ecological and cultural resource management

Modification History

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

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, on at least one occasion:

- planned burning activities of a site according to organisational procedures and legislative requirements
- developed and implemented a program to facilitate post-burn monitoring and evaluation activities for the site
- conducted post-burn assessment of a given site to evaluate and report on burn outcomes, including recommendations for implementing monitoring programs to identify recovery of flora and fauna.

There must also be evidence the individual has:

- identified the history of previous burns on the site, including:
 - frequency
 - season
 - intensity
 - extent
- assessed the overall fuel hazard for a site and determined the risk, likelihood and consequences
- identified likely impact on flora and fauna
- identified ecological and cultural assets that could be affected by preparation and burning activities
- developed planned burn objectives, strategies and tactics, including:
 - maximising asset protection
 - minimising environmental impact
 - minimising impact on cultural and heritage assets
- consulted and liaised with key stakeholders in burn planning process
- researched, considered and applied outcomes of historical fires in target area

- applied workplace health and safety legislative requirements to planned burning
- reported burn outcomes according to workplace requirements.

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 hazard and risk management strategies
- basic wildfire behaviour:
 - fuel types and fuel hazard levels
 - sources of ignition
 - effects of climate change and impact of weather
 - fire movement and reaction to aspect and terrain
- planned burning strategies:
 - fuel reduction
 - ecological
 - cultural
- legislation relevant to wildfire hazard reduction, cultural heritage and protection of flora and fauna
- effects of fire intensity and behaviour on ecology, including:
 - vegetation and vegetation types
 - frequency and vegetation response
 - fauna and habitat
 - biodiversity
 - fuel accumulation
 - impact on soils and erosion
 - impact on streams and waterways
 - impact on natural vegetation and pest plants
- effects of fire on areas and places of cultural significance:
 - Indigenous culture
 - heritage sites
- resource requirements used to conduct planned burning activities
- risks in burning for fuel management
- pre-fire and post-fire monitoring, evaluation and recording techniques.

Assessment Conditions

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

- physical conditions:

- skills must be demonstrated on a site requiring planned burning as part of a fire management plan
- access to a post-burn site to demonstrate monitoring and evaluation activities
- resources, equipment and materials:
 - computer and web-based resources
 - planning guides
 - digital tools and instruments
 - fire intensity and soil temperature information
- specifications:
 - wildfire hazard rating systems
 - vegetation classification systems
 - maps, aerial images and planning overlays
 - workplace policies and procedures for wildfire management
 - legislation, regulations and codes of practice.

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=c6399549-9c62-4a5e-bf1a-524b2322cf72>