Modification history

Release	Comments
Release 1	This version released with Agriculture Horticulture and Conservation and Land Management Training Package 4.0.

AHCCFP3X2	Carry out controlled, low temperature burning
Application	This unit of competency describes the skills and knowledge required to identify the benefits of low temperature, controlled burning and to plan and participate in a controlled, low temperature burning project. The unit applies to individuals who participate in land management activities. It may lead on to participation in a carbon farming/savannah burning project. No occupational licensing, legislative or certification requirements apply to this unit at the time of publication.
Prerequisite unit	Nil
Unit sector	Carbon Farming

Elements	Performance Criteria
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Consider the need for fire in the landscape	1.1 Identify the need for fires in the landscape 1.2 Identify the effects of high temperature fires on the landscape 1.3 Identify the benefits of low temperature fires on the landscape 1.4 Compare the difference in greenhouse gas emissions for low and high temperature burns 1.5 Identify co-benefits of low temperature, controlled burning
2. Plan for controlled burn	2.1 Identify the project site including elements and features that will influence the project 2.2 Consider the site's vegetation, land use, local climate and the risks that each present for controlled burning 2.3 Determine rights to lands and project boundaries 2.4 Determine the regulatory requirements of controlled burn 2.5 Obtain consent of people or organisations who hold an eligible interest in site 2.6 Plan resources for low temperature controlled burn 2.7 Prepare burn plan and submit to relevant authority for approval
3. Prepare for controlled burn	3.1 Prepare resources and equipment for safe burn 3.2 Identify health, safety and environmental hazards and risks, including risk of catastrophic fire 3.3 Prepare strategies to mitigate and control risks 3.4 Ensure appropriate personal protective equipment is available and fitted correctly
4. Carry out controlled burn	4.1 Light fire in accordance with burn plan 4.2 Monitor burning to ensure fire is kept cool and controlled

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
Oral communication	• Communicate effectively with team members
Get the work done	• Problem solve issues as they arise

Unit mapping information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCCFP3X2 Carry out controlled, low temperature burning		New unit	No equivalent unit

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

TITLE	**Assessment requirements for AHCCFP3X2 Carry out controlled, low temperature burning**

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 participated in a controlled, low temperature burning project, including:
- identified the benefits and co-benefits of low temperature, controlled fires
- planned and participated in a controlled burning project.

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:
- how controlled burning can reduce greenhouse gases
- potential for earning carbon abatements for controlled savannah burning
- legislation covering Indigenous land rights, including *Native Title Act 1993*
- interactions between elements of biodiversity and fire regimes
- safe practices for using fire burning equipment, including incendiaries
- potential risks associated with any fire
- methods to avoid out of control, catastrophic fire.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- resources, equipment:
    - site for controlled burn, fire lighting equipment, fire fighting equipment, personal protective equipment.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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