



**Australian Government**

# **Assessment Requirements for PUA FIR515 Develop complex prescribed burn plans**

**Release: 2**

# Assessment Requirements for PUAFIR515 Develop complex prescribed burn plans

## Modification History

**Release 2.0** This is the second release of this unit of competency in the PUA Public Safety Training Package.

Editorial update.

**Release 1.0** This is the first release of this unit of competency in the PUA Public Safety Training Package.

## Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements, performance criteria and range of conditions on at least one occasion and includes

- applying legislative, regulatory, organisational and permit requirements
- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) organisational requirements including risks mitigation and safe work practices
- assessing characteristics of multiple fuel types, terrain and weather
- developing a pre-burn work schedule
- developing contingency arrangements
- documenting complex prescribed burn plans including objectives
- gaining complex prescribed burn approval
- identifying actions to minimise impacts of complex prescribed burn preparation
- identifying resources
- identifying, assessing and mitigating operational hazards and risks including to people, property, assets, ecology and environment
- identifying, liaising and consulting with target consultation groups
- interpreting maps of area and identifying key features
- predicting fire behaviour and intensity in burn area
- preparing maps for complex burn operational use
- preparing plans for complex prescribed burns including developing lighting techniques and patterns for ground and/or aerial ignition, tactics involving multiple fuel types, ignition strategies, burn objectives, strategies and tactics to meet objectives and timelines for planning and conduct of burn
- recommending actions and communicating them
- responding to feedback and adjusting plans for approval

## Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements, performance criteria and range of conditions and includes knowledge of

- accumulated fuels
- burn feasibility
- characteristics of complex prescribed burn including medium to large areas, moderate to high risk, range of fire intensity, significant potential impact on assets and variety of fuels and terrain
- complex prescribed burning ignition and suppression strategies including ignition patterns and sequences for ground and aerial
- contingency arrangements
- control line suitability
- effects of fire on people, property, assets, ecology and environment
- fire prediction tools
- fuel sampling techniques
- legislative, regulatory, organisational and permit requirements
- organisational documentation, policies and procedures including pre-burn procedures
- planned burn hazards and risks
- resource capabilities
- smoke modelling
- traffic management
- Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) organisational requirements including risk mitigation and safe work practices
- written and verbal notification requirements

## Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in operational situations or in simulated operational training situations that reflect workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, equipment, tools and personal protective clothing and equipment currently used in industry including

- area requiring application of fire under prescribed conditions
- existing management plans and data relevant to area being prescribed
- applicable documentation including organisational procedures, industry standards, equipment specifications, regulations, codes of practice and operation manuals.

## Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=3eca5672-6d5a-410b-8942-810d0ba05bbf>