



Australian Government

Assessment Requirements for PUA FIR506

Conduct complex prescribed burns

Release: 2

Assessment Requirements for PUA FIR506 Conduct complex prescribed burns

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 Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) organisational requirements including risk mitigation and safe work practices
- concluding burn operations and implementing burn security
- conducting operational briefings and debriefings
- conducting post burn activities
- conducting safe complex prescribed burn operations by utilising appropriate resources (ground and air)
- confirming location, construction and suitability of control lines for prescribed burns
- confirming resources required
- evaluating outcomes against objectives
- identifying and protecting assets
- implementing contingency arrangements
- interpreting and implementing complex prescribed burn plans
- interpreting existing and forecast weather conditions and fire behaviour conditions
- issuing verbal and written burn notifications
- monitoring burn and patrol activities
- preparing to burn
- recording actions taken
- responding to changing conditions
- restoring and rehabilitating sites
- using fire prediction tools
- using monitoring equipment
- utilising lighting techniques and sequencing
- working with ignition patterns and techniques

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

- characteristics of complex prescribed burns including involvement of a variety of fuels and terrain, medium to large areas, moderate to high risk, range of fire intensity and significant potential impact on assets
- contingency plans
- evaluation of burn outcomes against objectives
- fire prediction tools and their use
- fuel sampling techniques
- ground and aerial ignition patterns and techniques
- impact of conditions of a complex prescribed burn on potential fire behaviour
- legislation, industry standards, codes of practice and regulations
- legislative, regulatory and organisational authorisations
- organisational documentation, policies and procedures
- permit requirements
- procedures for monitoring, concluding and securing burn
- resource requirements and capabilities
- restoration and rehabilitation activities including site stabilisation and recording and reporting future restoration and rehabilitation requirement
- seasonal restrictions on prescribed complex burns
- smoke modelling and smoke impacts
- techniques, patterns and sequencing for lighting
- traffic management plans
- types of prescribed complex burns
- types of property and assets within or near burn area including urban areas, commercial land use such as crops or industry, any cultural sites or historical buildings, other property and assets, stock, utilities such as power and telephone lines, water supply, structures and communications towers, camps or recreational areas, plantations and research plots and reference areas
- verbal and written burn notifications
- weather conditions including temperature, relative humidity, wind, atmospheric stability, drought index, fire danger index, weather forecasts and actual or anticipated changes in conditions
- weather monitoring techniques
- Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) organisational requirements including risk mitigation and safe work practices

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. Competency should be demonstrated in an operational environment.

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
 - an area for proposed complex prescribed burn
 - authorisation to light burn
 - fire management plans
 - lighting and suppression crews
 - lighting equipment
 - prescribed burn plans including plan for proposed assessment burn
 - suppression equipment
- 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>