



Australian Government

Assessment Requirements for PUA FIR518 Conduct and record a Bushfire Attack Level (BAL) assessment

Release: 1

Assessment Requirements for PUA FIR518 Conduct and record a Bushfire Attack Level (BAL) assessment

Modification History

Release 1. 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) regulations and guidelines including safe work practices and procedures
- complying with legislation, regulations, industry standards and codes of practice for undertaking a Bushfire Attack Level (BAL) assessment
- collecting information and determining BAL assessment
- explaining purpose and processes associated with undertaking a BAL assessment to site owners including identifying problems and demonstrating potential responses
- identifying bushfire behaviour and conditions
- maintaining organisational documentation including recording, reporting and maintaining organisational information accurately
- using organisational policies and procedures relevant to undertaking a BAL assessment

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

- bushfire behaviour concepts relevant to bushfire attack level assessments including
 - bushfire attack mechanisms including embers, radiant heat and flame contact
 - ember production and transport
 - heat transfer - convection, radiation and conduction
- bushfire behaviour concepts relevant to how bushfires move across different landscapes and vegetation including
 - fire development, growth and scale
 - flame height, fire intensity and rate of spread
 - junction zones and spotting
- Commonwealth, state or territory statutory requirements including licensing, and certification requirements

- communication methods and techniques
- fire weather conditions and impacts on fire behaviour including atmospheric stability, humidity, temperature, wind speed and direction and fire danger indices
- fuel and its impact on fire behaviour including amount, arrangement and moisture status
- organisational policies and procedures for undertaking a BAL assessment including procedures for recording, reporting and maintaining organisational records and information
- process for slope assessment and determination of effective slope
- site constraints and limitations
- sources of combustion including
 - flammable elements and vulnerable features in and around site
 - structures and other sources adjacent to or at proposed site
- vegetation type and classification including forest, woodland, shrubland, scrub, Mallee and/or Mulga, rainforest, grassland, tussock moorland and exclusions
- Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) requirements including guidelines and practices for undertaking BAL assessments

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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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.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in industry approved simulated workplace operational situations that reflect workplace conditions.

Students must determine the level of bush fire attack by undertaking a minimum of four calculated Bushfire Attack Level (BAL) assessments in a variety of vegetation types and locations.

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
 - AS3959 Construction of buildings in bushfire prone areas (or successor)
 - range of appropriate sites
 - specifications and work instructions
- applicable documentation including organisational procedures, industry standards, equipment specifications, regulations, codes of practice and operation manuals.

Links

PUA Training Package Companion Volume Implementation Guide is found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=3eca5672-6d5a-410b-8942-810d0ba05bbf>