



Australian Government

**Assessment Requirements for PUA FIR312
Operate aerial ignition equipment in an
aircraft**

Release: 1

Assessment Requirements for PUAFIR312 Operate aerial ignition equipment in an aircraft

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

- adhering to safe working practices if machine or ignition equipment malfunctions
- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) organisational requirements including aircraft or other emergency procedures and personal protective clothing and equipment
- conducting aerial ignition operations using approved devices and equipment
- demonstrating pre-flight testing and installation of aerial ignition equipment
- following approved flight plan
- implementing industry standards and legislation
- operating for extended periods in an aircraft
- preparing for of ignition equipment
- reporting equipment malfunctions, accidents and incidents
- selecting, inspecting and testing personal protective clothing and equipment
- servicing, maintaining, repairing and storing approved devices and equipment
- using communications equipment
- using ignition equipment including helitorch aerial or drip torch, hand held manual incendiary injection and automated incendiary machines
- working as a member of a team

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

- aircraft safety
- characteristics and limitations of incendiary devices and equipment
- emergency procedures
- guidelines relating to safe use of equipment including personal protective equipment
- incendiary capsule materials including potassium permanganate, ethylene glycol (antifreeze),

- petroleum products, gelling powder and methanol
- ignition equipment including helitorch aerial or drip torch, hand held manual incendiary injection equipment and automated incendiary machines
- industry standards
- lighting patterns
- mechanical knowledge sufficient to service, maintain and repair aerial ignition equipment
- mixing equipment
- organisational documentation, policies and procedures including procedures for working in aerial ignition operations
- service, maintenance and repair of equipment
- personal protection clothing and equipment including ear protectors, eye protection, gloves and other personal protection gear, fire resistant clothing, footwear, rubber gloves, vapour masks and respirators and safety helmets with visors
- types and applications of aerial ignition equipment
- Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) organisational requirements including safety and emergency procedures for undertaking aerial ignition operations, risk mitigation and hazard identification

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.

Assessment will take place in a simulated environment followed by an assessment by an accredited operator on the job.

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
 - aerial ignition equipment and materials
 - aircraft
 - an area to conduct operations
 - appropriate tools for testing, maintenance and inspection of equipment
 - personal protective equipment and relevant safety equipment

- safe disposal facilities
- transport of incendiary devices and ignition equipment
- 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>