



**Australian Government**

# **Assessment Requirements for PUA FIR005 Observe fire from an aircraft**

**Release: 1**

# Assessment Requirements for PUAFIR005 Observe fire from an aircraft

## Modification History

**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 and performance criteria on at least one occasion and includes

- applying Team Resource Management (TRM) principles
- briefing pilot on mission requirements and receiving pilot briefing on aircraft safety and emergency procedures
- checking satellite navigation equipment, where required, for correct programming and operability
- collecting and recording observations of current and projected fire behaviour
- communicating fire intelligence and changed conditions to task supervisor and/or fireground commanders
- complying with organisational policies and procedures
- conducting after action reviews with air observation personnel
- confirming
  - flight following and search and rescue arrangements
  - flight plan and communication arrangements with pilot
  - mission aircraft, its performance capability and fuel range
- contacting task supervisor to confirm communication arrangements
- determining job hazards and taking action to eliminate, minimise or control them
- establishing and maintaining flight protocols, as required
- following flight routes using satellite navigation technology and/or map and ground features
- identifying alternative landing areas in flight zone
- implementing relevant legislation and regulations
- maintaining communication with pilot
- observing and communicating hazards that pose a risk
- observing fire from aircraft
- obtaining mission briefings
- preparing maps, navigational equipment, personal protective clothing and equipment and preliminary flight plans
- receiving briefing on mission, aircraft safety and emergency procedures from pilot
- recognising location through identification of ground features
- recording and communicating spatial data and progress of incident response strategies

- recording details of air operation mission
- reporting en route, diversion and arrival information
- storing navigation equipment and reporting faults
- testing communication equipment for correct frequencies and functionality
- wearing personal protective clothing and equipment.

## Knowledge Evidence

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

- aircraft performance capability
- alternate routes due to weather and aircraft tactical issues
- burning techniques including prescribed burning techniques
- cartographic symbols, legends and other information relating to fire mapping
- communication methods and processes with ground and air team members
- correct use of organisational satellite navigation equipment, if used
- factors that impact aircraft navigation including prevailing weather and environmental conditions and margin of error allowable per task or incident terrain
- fire behaviour, firefighting strategies and tactics
- hazards and risks associated with fire and flight
- legislation and regulations including relevant civil aviation regulations
- methods for determining current location
- mission information including weather forecast, incident action plan, if developed, and communications plan
- organisational policies and procedures including fire mapping protocols and procedures, intelligence collection protocols and procedures, air observations procedures and reporting requirements
- other flight planning considerations that may impact mission
- personal protective clothing and equipment requirements
- pilot briefings and debriefings
- processes for organising an aerial fire observation mission
- radio communication protocols including requirements for ground-to-air communications
- risk management principles and risks associated with incidents
- roles and responsibilities in aerial operations units
- route planning techniques
- spatial data collection
- Team Resource Management (TRM) principles
- use of satellite navigation equipment and/or maps, where required
- Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) requirements including safe working procedures around aircraft.

## 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 exercises, case studies and/or simulations
- appropriate materials, equipment, tools and personal protective clothing and equipment currently used in industry including
  - an aircraft suitable for air observation with a pilot
- applicable documentation including organisational procedures, standards, equipment specifications, regulations, codes of practice and operational manuals.

## Links

Companion Volume Implementation Guides are found in VETNet -

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