



Australian Government

Assessment Requirements for PUA FIR012 Supervise aerial firefighting operations

Release: 1

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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
- assessing weather forecast conditions with pilots
- collating information
- complying with relevant legislation and regulations
- confirming
 - incident controller's intent and incident management objectives
 - operational and support resources
 - team roles and responsibilities including contact arrangements for team members
- delivering briefings to pilots on situation, aerial mission, roles, safety, hazards and command and communication arrangements
- developing strategies for aerial fire suppression
- ensuring, where the air attack supervisor is airborne, pilot flies to mission site and implements flight following protocols
- following organisational policies and procedures
- identifying job hazards and actions required to eliminate, minimise or control them
- maintaining communication with team members and task supervisors
- obtaining air communications and operations communications plans
- planning and supervising aerial fire suppression mission
- providing assistance to develop air operations plan
- receiving briefing from task supervisor on mission location and objectives
- reviewing hazards for their impact on aerial strategies and tactics
- selecting appropriate product for firefighting operations
- testing communication equipment for correct frequencies and functionality.

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 includes knowledge of

- aerial products and equipment including
 - performance characteristics and comparative features of fire suppressants and retardants
 - types of retardants and suppressants
- aircraft capability
- air attack strategies
- air operations plans
- communication equipment
- effective firebombing including
 - delivery systems and equipment
 - different applications of small medium and large air tankers
 - effect of distance, elevation and atmospheric conditions
 - environmental considerations
 - factors that influence drop patterns
 - fixed wing and helicopter firebombing
 - helicopter belly tanks and buckets
- firebombing procedures including
 - air attack, ongoing, en route and general procedures including TRM
 - joint helicopter and fixed wing firebombing operations
 - maintaining aircraft separation
 - on site tactics and techniques
 - pilot briefings and debriefings
 - pre-flight preparation
- firebombing tactics including
 - containment of a remote fire
 - drop assessment
 - line building techniques
 - operating in urban interface areas
 - support of ground forces and assets
 - techniques for grassfires
- hazards affecting aircraft performance
- organisational policies and procedures
- relevant legislation and regulations including Civil Aviation Regulations
- selection of appropriate products
- Team Resource Management (TRM) principles
- Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) 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 exercises, case studies and/or simulations
- appropriate materials, equipment, tools and personal protective clothing and equipment currently used in industry including
 - aircraft platform for transporting air attack supervisor
 - an airbase with facilities
 - firebombing aircraft
 - ground operations commander
 - personnel for loading firebombing aircraft with product
 - water source for use as an aerial fire suppressant
- 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>