



Australian Government

Assessment Requirements for PUA FIR004 Manage complex aerial operations for an incident

Release: 1

Assessment Requirements for PUA FIR004 Manage complex aerial operations for an incident

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

- allocating roles and responsibilities and managing personnel performance and welfare
- applying Team Resource Management (TRM) principles
- authorising tasking of flights
- briefing and debriefing personnel and pilots
- complying with relevant legislation and regulations
- coordinating complex aerial operations during an incident response
- designating secure areas for aircraft and monitoring access
- determining restricted air space and forwarding requests to state air desk
- developing air operation plan for complex aerial operation
- confirming
 - accident response plan and air communications plan
 - aerial strategies and tactics
 - availability and options for use of aircraft resources to support operational needs
 - priorities and strategies for aircraft resources
 - support services and personnel
- establishing and maintaining flight following procedures and incident and near miss reporting system
- following organisational policies and procedures including reassignment of aircraft and search and rescue procedures
- identifying
 - aerial operations mission, resources, support facilities and services in air operations plan
 - aircraft at incident, en route or in the vicinity
 - incident controller's intent and incident management objectives
 - job hazards and action to eliminate, minimise or control them
- implementing Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) requirements and safe work practices
- managing work of air operations unit for complex aerial operations
- maintaining communication with state or territory aircraft coordinators, operations officer, aircraft officer, air attack supervisor and aircraft contractors including pilots, engineers and

refuellers

- monitoring aerial operations missions and confirming priorities for aircraft
- controlling aircraft and equipment security and access to the air base
- notifying authorised personnel of changes to aircraft capability or status and of hazardous situations
- obtaining briefings from relevant personnel to coordinate aerial operations
- planning air attack strategies for complex aerial operations
- providing aviation and general information advice to personnel
- referring air space requirements and issues to state or territory aircraft coordinators
- reporting notifiable incidents
- reviewing air operations plan and capabilities and constraints of available aircraft.

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

- air accident, incident and near miss response procedures and reporting systems
- air attack strategies including offensive, defensive and firebombing
- air attack tactics including direct, indirect, head, flank, parallel, line building and asset and crew protection and aerial ignition
- air base establishment requirements
- air operations unit structure including roles and responsibilities
- aircraft capability relative to fire and incident management activities
- aircraft operator, flight crew and air crew roles and responsibilities
- aircraft refuelling and marshalling requirements
- aircraft operating environment including
 - airspace classifications and process
 - aviation communications systems
 - flight rules
 - temporary restricted airspace
 - visual meteorological conditions
- air radio communication requirements
- aviation resources including
 - aerial attack platforms including light helicopter, light or medium fixed wing aircraft
 - aerial products including water, foam, retardant and gel and their characteristics, application and effectiveness
 - factors affecting performance of aviation resources including fuel, weather and topographic factors
 - firebombing aircraft including fixed and rotary wing firebombers, single engine air tankers (seats) and multi engine aircraft
 - firebombing systems including buckets, belly tank and scoopers
- consumables planning

- coordination of aircraft
- crew marshalling
- fire behaviour
- firebombing systems
- flight following
- flight notification
- flight planning
- flight safety including
 - aviation briefings
 - aviation communications
 - duty time limitations
 - Notice to Airmen (NOTAM)
 - restricted airspace
- hazards that may adversely affect aircraft operations
- incident action plan content including
 - accident response plan
 - air operations plan
 - aircraft communications plan
- logistics planning
- management of briefings and debriefings including passenger safety briefings
- night operations, if required
- operational support requirements for aerial operations missions
- organisational policies and procedures for conducting hazardous aircraft support operations including aircraft marshalling, refuelling, firebombing product mixing and loading, passenger transport and incendiary operations
- relevant legislation and regulations including civil aviation regulations
- report and record keeping requirements
- risk management principles
- safety and security requirements at an airbase
- search and rescue requirements
- strategies and tactics relating to fire activity, behaviour and suppression
- tactical aircraft
- 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
- an incident or exercise involving complex aerial operations that requires coordination
- appropriate materials, equipment, tools and personal protective clothing and equipment currently used in industry including
 - an air operations unit with personnel performing both tactical and support functions for complex aerial operations
- 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>