



Australian Government

PUAFIR002 Manage aviation resources for an incident

Release: 1

PUAFIR002 Manage aviation resources 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.

Application

This unit of competency involves the skills and knowledge to manage aviation resources, and coordinate flight and ground based services to support aerial operations missions conducted as part of an incident response. It includes delivering services within an organisational regulatory framework, assisting with planning for air operations as part of the incident action plan, activating and managing aircraft, overseeing management of support personnel and contractors, establishing and managing facilities and consumables to support aerial operations, planning and managing flight schedules and pilot services, managing air base accident response, ensuring the air base has safety and security systems in place and ensuring record keeping systems are in place.

The unit is applicable to aircraft officers managing aviation resources within complex incident response operational environments. Authorisation to perform this role is subject to agency policies and procedures.

The fire sector is those sections of government departments, statutory authorities or agencies that have responsibility under jurisdictional arrangements for the delivery of firefighting and fire management services.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

It is essential that the prerequisite units listed below are obtained prior to the issuance of this unit to individuals with the fire sector or the units contributing to the attainment of a fire qualification.

PUAFIR003 Manage aviation support operations at an air base

Competency Field

Fire

Unit Sector

Fire

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Deliver services within organisational regulatory framework	1.1 Team Resources Management (TRM) principles are applied and roles and responsibilities are confirmed
	1.2 Communication is established and maintained with air attack supervisors, support personnel and contractors
	1.3 Work, Health and Safety (WHS)/Occupational Health and Safety requirements are implemented
	1.4 Job hazards are identified and action is taken to eliminate, minimise or control them
	1.5 Delivery of inflight and ground support services are managed in accordance with organisational and regulatory framework
2 Assist with development of air operations plan as part of incident action plan	2.1 Briefing is obtained and clarification is confirmed from task supervisor
	2.2 State air desk, air attack supervisor and air operations manager, if appointed, are consulted on availability, capability and management of national and/or organisational aviation resources
	2.3 Advice is provided on administrative and logistical requirements of potential aerial operations missions
	2.4 Aircraft and support requirements for aerial operations missions are identified and documented within the air operations plan as part of the Incident Action Plan (IAP)
3 Activate and manage aircraft	3.1 Arrangements are made to obtain or activate required aircraft in accordance with organisational procedures
	3.2 Records are maintained of the number, type and activities of aircraft allocated to an incident

- 3.3 Aircraft identification is recorded on arrival and an air communications plan is developed in consultation with aircrews and the communications planner and is included in the IAP
 - 3.4 Aircraft and welfare arrangements for flight and air crews are managed in accordance with contractual arrangements
- 4 Oversee management of support personnel and contractors**
 - 4.1 Support personnel and contractors assigned to assist with delivery of air support facilities and services are activated in accordance with organisational procedures
 - 4.2 Air base manager is appointed, as required, in accordance with organisational procedures
 - 4.3 Oversight is provided for engaging support personnel to deliver specialist services
 - 4.4 Supervisory structure for support personnel is established, monitored and adjusted, as required
 - 4.5 Oversight is provided for management of support personnel including tasking, briefing, performance management, welfare management and debriefing
 - 4.6 Oversight is provided to ensure personnel who are impaired or working unsafely are stood down from the operation
 - 4.7 System to identify job hazards and to eliminate, minimise or control them is established and maintained
- 5 Establish and manage facilities and consumables to support aerial operations**
 - 5.1 Air base and facilities to support air operations are established, as required, and are fit for purpose
 - 5.2 Consumables and supplies for air operations and welfare are identified, ordered, stored and their use recorded
 - 5.3 Welfare services are provided in accordance with aircraft contractual arrangements and in consultation with the logistics officer
 - 5.4 Safe work practices for storage and handling of dangerous goods and hazardous substances are

- implemented and monitored
- 6 Plan and manage flight schedules and pilot services**
 - 6.1** Proposed aerial operations missions are confirmed with task supervisor and priorities are confirmed
 - 6.2** Requests for non-tactical use of aircraft are considered
 - 6.3** Flights are coordinated and tasked for operations, as required
 - 6.4** Procedures to take and retain passenger manifests are implemented
 - 6.5** Flight dispatch is coordinated and authorised
 - 6.6** Flight notification and flight following procedures are implemented
 - 6.7** Ground-to-air radio communications are monitored to ensure only authorised personnel undertake communications
 - 6.8** Recording of aircraft and pilot flight times is managed
 - 6.9** Pilots are debriefed at the end of task flights
 - 7 Manage air base accident response**
 - 7.1** Accident response plan is prepared and included in the IAP
 - 7.2** Aircraft accident response procedures are implemented
 - 7.3** Aircraft are tasked in response to an accident
 - 7.4** Accident response equipment is located and checked in accordance with organisational procedures and statutory regulations, where air base is located at a permanent airport
 - 8 Ensure air base has safety and security systems in place**
 - 8.1** Designated unsafe areas are demarcated and clearly signposted
 - 8.2** Security is provided for aircraft and equipment and access to the air base is controlled
 - 9 Ensure record keeping systems are in place**
 - 9.1** Systems for recording storage and use of consumables and aerial products are established and maintained in accordance with organisational

procedures

- 9.2** Record of activities is maintained and a handover is conducted with incoming aircraft officer

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the PUA Public Safety Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This is a newly created unit, there is no equivalent unit.

Links

Companion Volume Implementation Guides are found in VETNet -

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

Assessment Requirements for PUAFIR002 Manage aviation resources 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

- activating and managing aircraft resources including both fixed wing and rotary wing aircraft to support aerial operations missions for incident response
- appointing air base manager and assigning support personnel and contractors to assist with delivery of air support facilities and services
- confirming Team Resources Management (TRM) principles and priorities for aerial operations mission are applied
- considering requests for non-tactical use of aircraft
- consulting with state air desk, air operation manager and air attack supervisor on availability, capability and management of aviation resources
- coordinating and authorising flight dispatch and tasking for flight operations
- debriefing pilots on return from flights
- demarcating and signposting designated unsafe areas
- developing air communications plan
- documenting aircraft and support requirements for aerial operations missions in air operations plan
- establishing facilities to support air operations including
 - aircraft refuelling facilities
 - airstrips and helipads
 - car parking areas
 - firefighting product preparation and loading facilities
 - storage areas for dangerous goods that may include fuel, incendiaries and fire suppressant chemicals
 - welfare facilities and services
- establishing security for aircraft and equipment and monitoring access to air base
- establishing, monitoring and adjusting supervisory structure for support personnel
- identifying job hazards and eliminating, minimising or controlling them
- identifying, ordering, storing and recording consumables and aerial products
- implementing relevant legislation, regulations and organisational policies and procedures for aerial operations missions
- locating and checking accident response equipment where an air base is located at a

permanent airport

- maintaining records of activities and hand overs to incoming aircraft officers and the number, type and activities of aircraft allocated to an incident
- managing aircraft and welfare arrangements for flight and air crews, delivery of in-flight and ground support services and briefings
- managing engagement of contractors and support personnel to deliver specialist services
- managing personnel who are impaired or working in an unsafe way
- monitoring aviation support services to ensure they are undertaken by trained and authorised personnel including
 - aerial fire suppressant mixing and loading
 - aircraft marshalling
 - aircraft refuelling
 - external load lifting
 - ground-to-air radio communications
- monitoring safe work practices for storage and handling of dangerous goods and hazardous substances
- obtaining and activating aircraft
- preparing accident response plans
- providing advice on the administrative and logistical requirements of a range of aerial operations missions
- providing advice on the availability, capability and support requirements of aviation resources
- recording aircraft identification on arrival and aircraft and pilot flight times
- taking and retaining passenger manifests where an air base manager has not been appointed
- tasking aircraft in response to an accident.

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

- accident, incident and near miss response procedures and reporting system
- air operations plan content including accident response plan and air communications plan
- air operations unit structure and roles
- air space requirements and processes
- aircraft operator, flight and air crew roles and responsibilities
- aviation radio communications
- flight planning, flight notification and flight following requirements
- management of briefings and debriefings
- Notices to Airmen (NOTAM), temporary flight restrictions and danger areas
- organisational aircraft activation protocols
- organisational policies and procedures for conducting aerial operations missions and ground support services

- radio communication protocols including requirements for ground-to-air communications
- record keeping requirements
- relevant legislation and regulations
- risk management principles
- roles and responsibilities in aerial operations missions
- safety and security requirements at air bases
- search and rescue arrangements
- Team Resource Management system (TRM) principles
- types of aircraft used within jurisdictions, their capability, use and management requirements including contract arrangements
- types of consumables, supplies, aerial suppressants and incendiaries
- 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
 - incident control centre or command post
 - an air base
 - aircraft refuelling facilities
 - firefighting product preparation and loading facilities
 - fixed wing and rotary wing aircraft and pilots
 - ground to air communication facilities
- 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>