



**Australian Government**

# **PUAFIR205B Respond to aviation incident (specialist)**

**Release 2**

## PUAFIR205B Respond to aviation incident (specialist)

### Modification History

Release	TP Version	Comments
2	PUA12 V2	Content reviewed Application of the Unit added Method of assessment added
1	PUA00 V8.1	Primary release on TGA

### Unit Descriptor

This unit covers the competency required to work under supervision as a member of a specialist team while responding to an aviation incident.  
No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

### Application of the Unit

This unit applies to personnel who are members of specialist aviation incident response teams.

### Licensing/Regulatory Information

Not applicable.

### Pre-Requisites

PUAFIR203B Respond to urban fire

### Employability Skills Information

This unit contains employability skills.

## Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a Unit of Competency.

Performance Criteria describe the required performance needed to demonstrate achievement of the element. Where ***bold italicised*** text is used, further information is detailed in the Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

## Elements and Performance Criteria

- 1. Respond to aircraft incident**
  - 1.1 Approach to incident is based on location, terrain, weather, wind speed, direction and response time requirements.
  - 1.2 Hazards and personal injury risks associated with *aircraft incidents* and/or accidents are identified.
  - 1.3 Access to the incident is based on airport and aircraft knowledge.
  - 1.4 Changing conditions are monitored, anticipated and managed in accordance with aviation organisational procedures.
  - 1.5 Operations are carried out in accordance with regulatory requirements.
- 2. Use appropriate equipment**
  - 2.1 *Equipment* is selected in accordance with objectives and *strategies*.
  - 2.2 Appropriate rescue and/or firefighting equipment is selected and used in accordance with aviation organisational procedures.
  - 2.3 Appropriate equipment is selected and used to isolate aircraft fuselage from hazards and escape paths are maintained in accordance with aviation agency procedures.
- 3. Evacuate persons and attend to casualties**
  - 3.1 Hazards and personal injury risks associated with aircraft incidents are identified.
  - 3.2 Equipment is selected and located to facilitate evacuation and rescue.
  - 3.3 Evacuees are moved and/or directed to a safe area.
- 4. Conduct operations**
  - 4.1 *Operational tactics* are implemented based on incident conditions and aviation organisation procedures.
  - 4.2 Changing conditions are evaluated and any changes to tactics communicated in accordance with organisational procedures.
  - 4.3 Operations are carried out in accordance with any regulatory requirements.
  - 4.4 Fuselage protection and fire free escape paths are established and maintained in accordance with aviation organisational procedures.
  - 4.5 Assistance is provided during aircraft evacuation.
  - 4.6 Evacuees are moved or directed to a safe area in accordance with Aerodrome Emergency Plan.
  - 4.7 Appropriate rescue techniques are used to release entrapped persons.

**5. Conclude operations**

- 5.1 Evidence at the aircraft is preserved and secured.
- 5.2 Any damage to the aircraft caused by forcible entry is recorded and reported in accordance with organisational and legislative requirements.

**Required Skills and Knowledge**

This describes the essential skills and knowledge and their level, required for this unit.

**Required Skills**

- adhere to airport operating procedures
- apply aviation strategy, tactics and techniques
- apply extinguishing mediums
- identify hazards in aircraft
- identify toxic environments

**Required Knowledge**

- aircraft construction
- aircraft emergency procedures
- aircraft hazards and risks
- airport emergency procedures

## Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for this Training Package.

### Critical aspects for assessment and evidence required to demonstrate competency in this unit

Assessment must confirm the ability to:

- implement aviation firefighting tactics and strategies
- select and use firefighting equipment, extinguishing mediums, personal protective clothing and equipment in a manner compliant with the aviation organisational and legislative/regulatory requirements and objectives

### Consistency in performance

Competency should be demonstrated over time to ensure consistency of performance in a range of applicable simulated scenarios, consistent with the range of response responsibility requirements.

### Context of and specific resources for assessment

#### Context of assessment

Competency should be assessed over time in a range of actual or simulated workplace environments.

#### Specific resources for assessment

Access is required to:

- firefighting equipment
- protective clothing and equipment
- aircraft/simulator
- fire extinguishment media
- relevant legislation and regulations
- simulated aviation incidents

### Method of assessment

In a public safety environment assessment is usually conducted via direct observation in a training environment or in the workplace via subject matter supervision and/or mentoring, which is typically recorded in a competency workbook.

Assessment is completed using appropriately qualified assessors who select the most appropriate method of assessment.

Assessment may occur in an operational environment or in an agency-approved simulated work environment. Forms of assessment that are typically used include:

- direct observation

- interviewing the candidate
- journals and workplace documentation
- third party reports from supervisors
- written or oral questions.

## Range Statement

The Range Statement relates to the Unit of Competency as a whole. It allows for different work environments and situations that may affect performance. ***Bold italicised*** wording in the Performance Criteria is detailed below.

<p><b><i>Aircraft incidents</i></b> may include:</p>	<ul style="list-style-type: none"> <li>• aircrew escape units</li> <li>• brake failure</li> <li>• crashes in:</li> <li>• difficult terrain</li> <li>• mid air</li> <li>• military</li> <li>• multiple aircraft</li> <li>• on water</li> <li>• structures off airport</li> <li>• structures on airport</li> <li>• vehicles</li> <li>• electrical failure</li> <li>• explosion</li> <li>• faulty armaments</li> <li>• fires in:</li> <li>• auxiliary power units</li> <li>• brakes</li> <li>• cabin</li> <li>• cargo</li> <li>• engines</li> <li>• re-fuelling</li> <li>• tyres</li> <li>• foreign object damage</li> <li>• fuel spill</li> <li>• hydraulic failure</li> <li>• injured, fatigued, and/or incapacitated passengers/crew</li> <li>• sabotage</li> <li>• tyre failure</li> <li>• undercarriage failure</li> <li>• wildlife collisions</li> </ul>
<p><b><i>Equipment</i></b> may include:</p>	<ul style="list-style-type: none"> <li>• aircraft rescue and firefighting vehicle</li> <li>• ancillary firefighting equipment</li> <li>• apparatus to deliver extinguishing medium</li> <li>• breathing apparatus</li> <li>• escape safety devices</li> <li>• extrication devices</li> </ul>



	<ul style="list-style-type: none"> <li>• firefighting hose</li> <li>• fixative or sealant for composite fibres</li> <li>• ladders</li> <li>• lighting equipment</li> <li>• rescue boats</li> <li>• rescue equipment</li> <li>• specialised tools for cabin entry</li> <li>• ventilation equipment</li> </ul>
<i>Strategies</i> must include:	<ul style="list-style-type: none"> <li>• control and extinguish fire</li> <li>• isolate aircraft fuselage from hazard</li> <li>• maintain safe paths of egress</li> </ul>
<i>Operational tactics</i> must include:	<ul style="list-style-type: none"> <li>• defensive firefighting tactics</li> <li>• offensive firefighting tactics</li> </ul>

## Unit Sector(s)

Not applicable.

## Corequisite Unit/s

Co-requisite Unit/s                      Nil