



Australian Government

PUAFIR209B Work safely around aircraft

Release 3

PUAFIR209B Work safely around aircraft

Modification History

Release	TP Version	Comments
2	PUA12 V2	Application of the Unit added Unit revised to reflect current work requirements Method of assessment added
1	PUA00 V8.1	Primary release on TGA

Unit Descriptor

This unit covers the competency required to apply safe work practices when operating in or around aircraft at an airbase and when engaged in a range of non-specialist, air operations activities.

Aviation operations occur in a heavily regulated environment. Licensing, legislative, regulatory or certification requirements are applicable to this unit.

Application of the Unit

This unit applies to personnel performing primary aviation roles within the Australasian Inter-service Incident Management System (AIIMS) and all other aviation support roles when operating in or around aircraft. The primary AIIMS aviation roles that require this unit are Air Operations Manager, Aircraft Officer, Air Observer, Air Attack Supervisor and Air Base Manager.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

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

ELEMENT

PERFORMANCE CRITERIA

1. Work safely in the vicinity of aircraft

- 1.1 **Briefing** is received prior to deployment or whenever circumstances relevant to their safety or current tasking have changed.
- 1.2 Briefing on work to be undertaken is undertaken in an **appropriate location**.
- 1.3 **Suitable visible clothing and protective equipment** are used.
- 1.4 **Appropriate precautions** and clearances are followed when operating on or near aircraft movement areas.
- 1.5 Any approach to an operating **aircraft** is made according to **organisational aircraft approach procedures**, from an angle visible to the pilot or flight crew and with approval of the pilot or flight crew.
- 1.6 Adequate clearance is maintained from propellers, rotors and/or turbine engines, exhaust gases and engine intakes.
- 1.7 Typical manoeuvring patterns of aircraft are anticipated through **activities**.
- 1.8 Any instructions or signals from pilots or **staff controlling aircraft** are complied with
- 1.9 **Site hazards** are identified.

ELEMENT	PERFORMANCE CRITERIA
2. Facilitate safe ground support	2.1 Appropriate precautions are observed when positioning vehicles or equipment close to aircraft. 2.2 Aircraft design features are respected while boarding, loading or handling aircraft. 2.3 Instructions from pilots and organisational staff coordinating aircraft operations, and organisational procedures and placards are followed during ground support operations. 2.4 Aircraft loading is conducted under pilot or flight crew member supervision and appropriate weight, balance and loading system are complied with. 2.5 Areas are designated and separated according to site features and the specific operations being conducted. 2.6 Fitting of equipment to an aircraft is conducted under pilot supervision in accordance with appropriate regulatory approvals. 2.7 Aircraft fuels, oils, and supplies are stored and handled according to regulatory requirements and organisational procedures. 2.8 Any suspected defects or hazards to aircraft or equipment are reported to pilot or other appropriate supervisor. 2.9 Appropriate aerodrome regulations are complied with.

Required Skills and Knowledge

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

Required Skills

- using specialist aviation support equipment

Required Knowledge

- aerodrome familiarisation
- aerodrome working and lighting
- aircraft familiarisation
- aircraft movement characteristics
- aircraft performance, operation, loading and refuelling precautions

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:

- comply with regulatory requirements and organisational procedures
- identify hazards and precautions effected on a consistent, conscious and continuing basis
- implement procedures for unusual events
- take action with an overriding concern for safety and quality rather than minimal observance of requirements.

Consistency in performance

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

Context of and specific resources for assessment

Context of assessment

Competency should be assessed on-the-job or in a simulated work environment.

Specific resources for assessment

Access is required to:

- actual or simulated aircraft and aerodrome facilities

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.

<i>Briefing</i> must include:	• situation • mission • execution • administration • command and communications • safety • questions
<i>Appropriate location</i> must include:	• area that is: • free of distractions (movement, noise) • safe • convenient to subsequent deployment needs • necessary facilities and equipment
<i>Suitable visible clothing and protective equipment</i> may include:	• fire extinguisher • first aid kit • head, hand, eye, ear and foot protection • high visibility overalls/vests • protective overalls • respiratory protection • signalling devices, lighting or beacons
<i>Appropriate precautions</i> may include:	• advisory instructions • avoiding obstructions/hazards and navigation aids • clearances (radio) • fixed wing and helicopter marshalling • ground markings/lighting • light signals • observing aerodrome limits
<i>Aircraft</i> may include:	• aeroplanes • helicopters • unmanned aerial vehicles • other airborne vehicles
<i>Organisational aircraft approach procedures</i> include:	• complying with operational placards • complying with pilot or flight crew instructions • maintaining visibility with pilot or flight crew
<i>Activities</i> may	• circuit procedures • ground manoeuvring capabilities

Include:	• special procedures (such as at night or in poor weather) • take-off, approach and landing characteristics
Staff controlling aircraft may include:	• aircraft coordinating personnel • flight crew • ground support supervisor • pilot
Site hazards may include:	• dust • level of visibility • livestock • masts/aerials • native fauna • public • terrain • trees • weather conditions • wires/powerlines/fences

Unit Sector(s)

Not applicable.

Corequisite Unit/s

Not applicable.