



Australian Government

Department of Education, Employment and Workplace Relations

PUAAMS001B Work in an aviation environment

Revision Number: 2

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Modification History

PUAAMS001B Release 2: Content reviewed. Application added. Layout adjusted.
PUAAMS001B Release 1: Primary release.

Unit Descriptor

This unit covers the competency to work effectively as a crew member.

Application of the Unit

This unit applies to members of Air Search and Rescue teams working in the air. Team members and crews may be members of a range of government and/or non-government agencies.
All aspects of the unit should be implemented in line with organisational policies and procedures.

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 effectively as a member of a search and rescue crew	1.1 Crew functions and responsibilities are determined. 1.2 Contact/call-out arrangements and requirements are determined from organisational documents and personal employment requirements 1.3 Factors which impede or disqualify persons from performing safe and effective aircrew duties are determined. 1.4 Communication equipment, terminology and procedures are utilised to ensure safe and effective operations during flight. 1.5 In-flight performance is maintained.
2. Work safely in an aviation environment	2.1 Safety procedures for working in and around aircraft are followed. 2.2 Cabin/load security and dangerous goods requirements are determined and followed in consultation with the pilot-in-command. 2.3 Appropriate manual handling strategies are applied when loading the aircraft. 2.4 In-flight hazards are identified and risks managed.
3. Respond to aircraft emergency situations	3.1 Aircraft cabin, load and occupants are prepared for impact. 3.2 Firefighting equipment is used to protect occupants and the aircraft from fire. 3.3 Escape/evacuation plan is implemented as required. 3.4 Emergency and ongoing care is provided to injured occupants. 3.5 Survival plan is implemented.
4. Complete documentation	4.1 Manifests, load sheets and other pre-flight documents are completed. 4.2 In-flight operations log is completed. 4.3 Debriefing documents and other post flight reports are completed.

Required Skills and Knowledge

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

Required Skills:

The ability to:

- communicate information orally and in writing
- complete Search and Rescue documentation
- harnesses and emergency exits
- operate aircraft doors
- operate aircraft intercom systems
- operate aviation survival equipment
- operate firefighting equipment

Required Knowledge:

Evidence of:

- a knowledge of aircraft accidental hazards and response
- an understanding of airside safety and aircraft safety
- an understanding of appropriate air traffic control procedures and terminology
- an understanding of appropriate aviation meteorology
- an understanding of aviation technology and communication procedures
- an understanding of manual handling hazards and techniques
- an understanding of Search and Rescue functions and responsibilities

Evidence Guide

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

Operate safely and effectively as a crew member in an aviation environment.

Consistency in performance

In order to assess these performance criteria it may be necessary for evidence to be collected over a period of time in a context of rescue operations.

Context of and specific resources for assessment

Context of assessment

Evidence can be collected on the job but may be undertaken in a simulation.

Specific resources for assessment

An appropriate training location/venue and access to aircraft and survival equipment required for learning and assessment activities.

Guidance information for assessment

Assessment with the following units would help meet aspects of holistic assessment:

- PUAAMS002B Search as a member of an air search team
- PUATEA001B Work in a team
- PUATEA003B Lead, manage and develop teams
- PUATEA004C Work effectively in a public safety organisation

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.

- Organisational documents***
 - emergency service pilots and procedures
 - may include:
 - aircraft operator company operations manuals
 - and memoranda of understanding
- Factors which may impede or exclude safe performance***
 - may include:
 - physical condition
 - physiological condition
 - psychological condition
 - psychosocial condition
 - pathological condition
 - psychosocial condition
- Safety procedures for working in and around aircraft***
 - may include:
 - being familiar with aircraft
 - appreciation of aircraft capabilities
 - approaching rotary wing aircraft
 - terrain-related issues
- Dangerous goods***
 - may include
 - search and rescue related pyrotechnics
 - weapons and ammunition
 - petroleum fuels
- In-flight hazards***
 - may include:
 - opening doors/windows
 - moving around the aircraft
 - operating near open doors
 - loose articles in the cabin
 - dispatching items
 - operating electronic equipment
- Firefighting equipment***
 - may include:
 - dry chemical powder
 - vaporising liquid
 - carbon dioxide and foam extinguishers
- Emergency care***
 - includes:
 - pre-hospital emergency care as described in workplace emergency care qualifications which meet State and Territory OH&S requirements
- Survival equipment***
 - may include:
 - inflatable life-jackets
 - inflatable life-rafts
 - survival kits
 - electronic location beacons
- Pre/post-flight documentation***
 - may include:
 - search briefing and debriefing forms
 - manifests
 - load sheets
 - flight logs

- post flight reports

Unit Sector(s)

Aviation marine search and rescue.