



Australian Government

PUAFIR209 Work safely around aircraft

Release: 1

PUAFIR209 Work safely around aircraft

Modification History

Release 1. 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 required to apply safe work practices when operating in or around aircraft at an airbase. It includes working safely near aircraft and facilitating safe ground support and it applies to personnel working in the public safety sector who work around aircraft.

The fire sector is those sections of government departments, statutory authorities or organisations 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

Not applicable.

Competency Field

Fire

Unit Sector

Fire

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Work safely in and around aircraft

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

1.1 Personal protective clothing and equipment is used, in accordance with operational procedures

1.2 Precautions and clearances are obtained and followed

when operating on or near aircraft movement areas

- 1.3** Any approach to an operating aircraft is made, in accordance with organisational aircraft approach procedures, from an angle visible to the pilot or flight crew and with approval of the pilot or flight crew
- 1.4** Adequate clearance is maintained from propellers, rotors and/or turbine engines, exhaust gases and engine intakes
- 1.5** Typical manoeuvring patterns of aircraft are anticipated through activities
- 1.6** Instructions or signals from pilots or staff controlling aircraft are complied with, in accordance with organisational procedures
- 1.7** Site hazards are identified and risks are assessed and control measures are implemented

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 taken into account whilst boarding, loading or handling aircraft
- 2.3** Instructions from pilots and staff coordinating aircraft operations, 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, in accordance with site features and 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, in accordance with regulatory requirements and organisational procedures
- 2.8** Aircraft or equipment defects or hazards are reported to pilot and/or appropriate supervisor
- 2.9** Appropriate aerodrome regulations are complied with

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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to PUAFIR209B Work safely around aircraft.

Links

PUA Training Package Companion Volume Implementation Guide is found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=3eca5672-6d5a-410b-8942-810d0ba05bbf>

Assessment Requirements for PUAFIR209 Work safely around aircraft

Modification History

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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

- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) organisational requirements
- complying with regulatory requirements and organisational procedures
- delivering briefings in appropriate locations including an area that is free of distractions including movement and noise, is safe and convenient to subsequent deployment needs and has the necessary facilities and equipment
- ensuring safety and quality procedures are applied
- identifying hazards and risks and acting to minimise, mitigate, control or eliminate
- implementing precautions and working safely whilst around aircraft
- using personal protective clothing and equipment and specialist aviation support equipment

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

- aerodrome layout, facilities and services including working zones and lighting facilities
- aerodrome legislation, industry standards, regulations and security procedures
- aircraft features and movement characteristics
- aircraft performance, operation, loading and refuelling precautions
- assessment and risk mitigation processes
- organisational documentation, policies and procedures
- participation in briefings including Situation, Mission, Execution, Administration, Command/control, Safety (SMEACS) and questions
- personal protective clothing and equipment including fire extinguisher, first aid kit, high visibility protective overalls and vests, respiratory protection, signalling devices, lighting or beacons and head, hand, eye, ear and foot protection
- roles and responsibilities of personnel supervising, managing and supporting aircraft operations
- site hazards
- suitable locations for conducting briefings and debriefings

- types of aircraft including aeroplanes, helicopters, remotely piloted aircraft and airborne vehicles
- Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) organisational requirements including safe work practices around aircraft

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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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.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in industry approved simulated workplace operational situations that reflect workplace conditions.

Resources for assessment must include access to

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, equipment, tools and personal protective clothing and equipment currently used in industry
- applicable documentation including organisational procedures, industry standards, equipment specifications, regulations, codes of practice and operation manuals.

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