



Australian Government

PUAFIR307 Operate aerial appliance

Release: 1

PUAFIR307 Operate aerial appliance

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 operate aerial appliances designed for high level rescues or firefighting at an incident. It includes siting aerial appliance, operating appliance and concluding operations.

The unit applies to personnel required to safely and competently site and operate aerial appliances.

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

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

PUAEQU001 Prepare, maintain and test response equipment

PUAFIR210 Prevent injury

PUAVEH001 Drive vehicles under operational conditions

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 Site aerial appliance

- 1.1** Onsite physical hazards which impact on safe working operations of appliance and ancillary equipment are identified and appliance is sited to minimise impact, in accordance with organisational procedures
- 1.2** Aerial appliance is positioned in a location that supports operational requirements, in accordance with organisational procedures, to prevent injury to personnel or damage to equipment and facilities
- 1.3** Personal protective clothing and equipment is selected and worn, in accordance with organisational procedures and Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) requirements
- 1.4** Personnel working with the aerial appliance are deployed, in accordance with organisational operating procedures and WHS/OHS guidelines

2 Operate appliance

- 2.1** Aerial appliance is operated within safe working limits, in accordance with organisational procedures and manufacturers' specifications
- 2.2** Performance of aerial appliance is monitored and adjusted in response to changed conditions to achieve determined strategies and objectives
- 2.3** Action is taken to rectify any deficiencies in the operation of the aerial appliance, where possible
- 2.4** Aerial appliance is operated in a manner to prevent injury to personnel or damage to equipment and facilities
- 2.5** Fire spread, onsite hazards and atmospheric conditions and their potential impact on aerial appliance operations are monitored and relevant information is referred to appropriate personnel
- 2.6** Communication is established and maintained with appropriate personnel through the chain of command

3 Conclude operations

- 3.1** Ancillary equipment is cleaned, reinstated and stowed, in accordance with organisational procedures and WHS/OHS guidelines

- 3.2 Aerial appliance is checked and equipment is maintained and any faults or deficiencies are reported, in accordance with organisational procedures
- 3.3 Participate in debriefing sessions

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.

aerial appliance must include

- hydraulic articulated platform
- hydraulic platform
- ladder platform
- teleboom
- turntable ladder

ancillary equipment must include two or more of the following

- breathing apparatus
- communications
- firefighting
- lighting
- rescue

Unit Mapping Information

This unit replaces and is equivalent to PUAFIR317 Operate aerial appliance.

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 PUAFIR307 Operate aerial appliance

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, performance criteria and range of conditions on at least one occasion and includes

- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) organisational requirements
- avoiding hazards and obstacles
- checking and maintaining equipment
- concluding operations
- identifying and avoiding hazards and obstacles including overhead, structural and surface
- implementing safe work practices
- operating ancillary equipment
- operating communication equipment
- operating crew basket, monitor and rescue stretcher
- siting and operating aerial appliances safely
- wearing personal protective clothing and equipment

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements, performance criteria and range of conditions and includes knowledge of

- ancillary equipment
- checks of ancillary equipment
- communication methods
- impact of weather
- organisational documentation, policies and procedures including operation of standby procedures, aerial appliance siting and stabilisation and elevating, extending, depressing and housing an aerial appliance
- personal protective clothing and equipment including breathing apparatus including self-contained or airline, eye and ear protection, helmet and gloves, safety harness and structural firefighter turnout clothing
- potential fields of operation

- potential hazards including atmospheric conditions such as wind direction and strength, overhead electrical wires, structural collapse and surface (ground) collapse
- principal features and components of aerial appliances
- roles and responsibilities of organisational and/or aerial appliance personnel
- safe working limits and safety features of aerial appliance
- safe working operations
- use of communication equipment
- Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) organisational requirements including emergency procedures and risk mitigation

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.

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

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 including
 - organisational aerial appliances and site suitable for assessment
- applicable documentation including organisational procedures, industry standards, equipment specifications, regulations, codes of practice and operation manuals.

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