



Australian Government

PUAFIR317 Operate aerial appliance

Release 2

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Modification History

Release	TP Version	Comments
2	PUA12 V2.1	Editorial changes.
1	PUA12 V2	New unit.

Unit Descriptor

This unit covers the competency required to operate aerial appliances at an 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 required to safely and competently site and operate aerial appliances.

Achievement of this unit does not mean an individual is competent in the operation of all aerial appliances listed in the Range Statement.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

PUAEQU001B Prepare, maintain and test response equipment

PUAFIR215 Prevent injury

PUAVEH001B Drive vehicles under operational conditions

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. Site appliance**
 - 1.1 Onsite physical ***hazards*** which impact on the ***safe working operations*** of the ***appliance*** and ***ancillary equipment*** are identified and appliance is sited to minimise its impact in accordance with organisational procedures
 - 1.2 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*** are selected and worn in accordance with organisational and work health and safety (WHS) requirements
 - 1.4 Personnel working with the appliance are deployed according to the organisational standard operating procedures and WHS guidelines
- **2. Operate appliance**
 - 2.1 Appliance is operated within safe working limits in accordance with organisational procedures and manufacturer specifications
 - 2.2 Performance of the appliance is monitored and

- adjusted, where required, in response to changed conditions and to achieve determined strategies and objectives
- 2.3 Action is taken to rectify any deficiencies in the operation of the appliance, where possible
 - 2.4 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 operations are monitored and relevant information is referred to ***appropriate personnel***
 - 2.6 ***Communication*** is established and maintained with the appropriate personnel throughout the operation
- **3. Conclude operations**
- 3.1 Ancillary equipment is collected and restowed in accordance with organisational requirements and WHS guidelines
 - ***3.2 Servicing, maintaining***, cleaning and repairing of equipment is undertaken in accordance with organisational procedures
 - 3.3 Appliance is checked and maintained, and any faults or deficiencies are reported in accordance with organisational procedures

Required Skills and Knowledge

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

Required Skills

- apply standby procedures
- identify and avoid hazards (overhead, structural and surface)
- operate aerial appliance and ancillary equipment
- operate crew basket, if fitted
- operate monitor, if fitted
- operate rescue stretcher, if fitted
- raise and lower training appliance

Required Knowledge

- emergency procedures
- fields of operation
- operation of standby procedures
- principal features and main components of the appliance
- procedures for elevating, extending, training, depressing and housing an aerial device
- procedures for siting and stabilising an appliance
- safe working limits of the appliance
- safety features located on an appliance
- weather

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:

- accurately place appliance
- operate appliances safely and smoothly
- avoid hazards and obstacles
- implement safe work practices.

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 workplace environment.

Specific resources for assessment

Access is required to:

- organisational aerial appliances
- site suitable for assessment

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>Hazards</i> may include:	• atmospheric conditions such as wind direction/strength • fire explosion • fire spread • hazardous atmospheres, such as smoke and toxic gases • overhead electrical wires • structural collapse • surface (ground) collapse
<i>Safe working operations</i> may include compliance with:	• Australian workplace platform licence • manufacturer specifications • organisational operational procedures • state/territory crane legislation • WHS guidelines
<i>Appliance</i> may include:	• hydraulic articulated platform • hydraulic platform • ladder platform • teleboom • turntable ladder
<i>Ancillary equipment</i> may include:	• breathing apparatus and servicing • communications • firefighting • lighting • rescue
<i>Personal protective clothing and equipment</i> may include:	• breathing apparatus (self-contained or airline) • escape apparatus • eye and ear protection • helmet and gloves • safety harness • structural firefighter turnout clothing
<i>Appropriate personnel</i> may include:	• appliance supervisor • communications officer • incident controller • officer in charge • operations centre personnel • safety officer

	• sector commander
Communication may include:	• hand signals • intercom equipment • radio communications • verbal instructions • whistle signals
Servicing and maintaining equipment may include:	• fault finding and rectification • liaising with specialist personnel • replacement of parts • security procedures • service, cleaning and maintenance according to manufacturer specifications • stripping and assembling equipment

Unit Sector(s)

Not applicable.