



Australian Government

Department of Education, Employment and Workplace Relations

PUAFIR310B Operate aerial or specialist appliance

Revision Number: 1

PUAFIR310B Operate aerial or specialist appliance

Modification History

Not applicable.

Unit Descriptor

Unit Descriptor

This unit covers the competency to operate a range of aerial and specialist appliances at an incident.

Application of the Unit

Application of the Unit

The application of this unit in the workplace - the environments, complexities and situations involved - will be written during Phase II of the Review of the PUA00 Public Safety Training Package.

This text will be useful for the purposes of job descriptions, recruitment advice or job analysis; where possible, it will not be too job specific to allow other industries to import it into other Training Packages, where feasible.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite Unit/s

PUAEQU001B Prepare, maintain and test response equipment

PUAFIR201B Prevent injury

Employability Skills Information

Employability Skills

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 Required Skills and Knowledge and/or 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 On-site physical **hazards** which impact on the safe working **operations** of the appliance and **ancillary equipment** are identified and appliance is sited to minimise their impact in accordance with the organisation's procedures
- 1.2 Appliance is positioned in a location that supports operational requirements in accordance with the organisation's 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 the organisation's and OH&S requirements
- 1.4 Personnel using appliance and ancillary equipment are deployed according to the organisation's standard operating procedures and occupational health and safety guidelines

2. Operate appliance

- 2.1 Appliance and ancillary equipment are operated within their safe working limits and in accordance with the organisation's procedures and the manufacturer's specifications
- 2.2 Performance of the appliance and ancillary equipment 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 and equipment, 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, on-site hazards and atmospheric conditions and their potential impact on the appliance and equipment and their performance are monitored and relevant information is referred to the 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 the organisation's requirements and occupational health and safety guidelines

ELEMENT**PERFORMANCE CRITERIA**

- 3.2 ***Servicing***, maintenance, cleaning and repair of the equipment is undertaken in accordance with the organisation's procedures
- 3.3 Appliance is checked and maintained, and any faults or deficiencies are reported in accordance with the organisation's procedures

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required Skills

Aerial appliance

raising, lowering, training appliance

operation of crew basket, if fitted

operation of monitor, if fitted

operation of rescue stretcher, if fitted

identification and avoidance of hazards, overhead, structural and surface

aerial appliance and ancillary equipment

application of standby procedures

Specialist appliance

setting up the appliance

operating the equipment located on the specific appliance

Required Knowledge

Aerial appliance

principal features and main components of the appliance

safe working limits of the appliance

safety features located on an appliance

fields of operation

procedures for siting and stabilising an appliance

procedures for elevating, extending, training, depressing and housing an aerial device

weather

operation of standby procedures

Specialist appliance

principal features and main components

identification and markings

procedures for operating the equipment stowed on the appliance

weather

procedures for obtaining technical advice/information

REQUIRED SKILLS AND KNOWLEDGE

Evidence Guide

EVIDENCE GUIDE

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

It is essential for this unit that competence be demonstrated in:

accurate placement of appliance
safe, smooth operation
avoidance of hazards and obstacles
implementation of safe work practices

Consistency in performance

Evidence should be gathered over a period of time in a range of actual or simulated workplace environments

Context of and specific resources for assessment**Context of assessment**

On-the-job or in a simulated work environment

Specific resources for assessment

Access to organisation's aerial and specialist appliances and a site suitable for assessment

Guidance information for assessment

Information that will assist or guide assessment will be written during Phase II of the Review of the PUA00 Public Safety Training Package.

Range Statement

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.

Types of aerial appliances may include

teleboom
turntable ladder
ladder platform
hydraulic platform
hydraulic articulated platform

Types of specialist appliances may include

command unit
Hazmat response unit
breathing apparatus unit
foam/water tender
salvage unit
lighting unit
catering/refreshment unit
hose layer
firefighting appliance (non water or foam)
rescue tender

Personal protective equipment may include

structural firefighter turn-out clothing
breathing apparatus (self-contained or airline)
gas suit
safety harness
escape apparatus
eye and ear protection
helmet and gloves
chemical splash suits

Hazards may include

overhead electrical wires
structural collapse
fire spread
fire explosion

RANGE STATEMENT

	- surface (ground) collapse - hazardous atmospheres, such as smoke and toxic gases - atmospheric conditions such as wind direction/strength
Ancillary equipment may include	- forcible entry tools - rescue - firefighting - decontamination - breathing apparatus and servicing - communications - lighting
Operations may include compliance with	- organisation operational procedures - occupational health and safety guidelines - manufacturers' specifications - state/territory crane legislation - Australian Workplace Platform Licence
Servicing, maintaining and stowing equipment may include	- stripping and assembling equipment - fault finding and rectification - service, cleaning and maintenance according to manufacturer's specifications - replacement of parts - liaising with specialist personnel - security procedures
Communication may include	- radio communications - verbal instructions - hand signals - whistle signals
Appropriate personnel may include	- officer in charge - appliance supervisor - incident controller - sector commander - communications officer

RANGE STATEMENT

operations centre personnel

Unit Sector(s)

Not applicable.

Corequisite Unit/s

Co-requisite Unit/s	Nil
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