



Australian Government

Department of Education, Employment and Workplace Relations

PUADEFCA204B Destroy hostile air targets using line of sight ground based air defence weapon systems

Release: 1

PUADEFCA204B Destroy hostile air targets using line of sight ground based air defence weapon systems

Modification History

Not applicable.

Unit Descriptor

Unit Descriptor

This unit covers the competency required to safely handle, aim, fire, *manoeuvre* and maintain *line of sight ground based air defence weapon systems* designed to destroy hostile aircraft.

The operator must be thoroughly familiar with characteristics and capabilities of the missile system and competent in the application of fire in an operational or simulated operational environment.

The operator will work as part of a team and be under supervision for the whole operation except during the period of firing where the operator will be under direct control and receive orders that dictate all actions.

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 Nil

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

- | ELEMENT | PERFORMANCE CRITERIA |
|---|---|
| 1. Manoeuvre the weapon | <ul style="list-style-type: none">1.1 Weapon is prepared for movement in accordance with <i>standard procedures</i>1.2 Weapon is positioned as directed1.3 Occupational health and safety (OH&S) requirements and recognised safety precautions are applied throughout the operation in accordance with standard procedures |
| 2. Prepare the weapon for firing | <ul style="list-style-type: none">2.1 Ammunition is handled under supervision and in accordance with standard procedures2.2 Ammunition is visually inspected, <i>ammunition defects</i> are reported to supervisor and defective ammunition is quarantined as directed2.3 Ammunition is loaded and unloaded as directed2.4 <i>Ancillary equipment</i> is positioned and operated as directed and in accordance with standard procedures |
| 3. Engage aerial targets | <ul style="list-style-type: none">3.1 Aerial <i>targets</i> are <i>identified</i> and confirmed by supervisor3.2 Targets are sighted and tracked using the system as directed and in accordance with standard procedures3.3 Weapon is fired as ordered by supervisor3.4 <i>Defects with firing</i> are reported to supervisor and corrective action is taken as directed3.5 Aim off drills are initiated on dispute of aircraft identification in accordance with standard procedures |
| 4. Maintain the serviceability of the weapon | <ul style="list-style-type: none">4.1 Maintenance defects are reported to supervisor4.2 <i>Operating maintenance</i> is conducted in accordance with standard 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

- hand-eye coordination
- manual dexterity
- recognise aerial targets appropriately
- use binoculars
- work in a team

Required Knowledge

- aircraft types
- characteristics, technical capabilities of the system
- characteristics of a range of aerial targets likely to be encountered
- methods of range estimation
- OH&S requirements
- safety precautions associated with the equipment

Evidence Guide

EVIDENCE GUIDE

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EVIDENCE GUIDE

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

Assessment must confirm the ability to correctly identify the appropriate number of aerial targets as specified by Combat Arms Training Centre; to track and engage targets using very short range air defence systems and short range air defence systems; to successfully carry out simulated engagements using weapon simulators; and to communicate information quickly, clearly and accurately in a high pressure environment.

Consistency in performance

Competency should be demonstrated over a range of actual or simulated weapon employment tasks.

Context of and specific resources for assessment

Context of assessment

Competency should be assessed in a simulated operational environment due to the high cost of ammunition. The simulation should replicate the live environment where stress and fatigue are key features. The individual must be assessed as part of a team.

Specific resources for assessment

Access to operational equipment, training and simulation equipment.

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.

Manoeuvring the weapon includes	Lifting and carrying of the system from the transport to the firing position and from the firing position to the transport
Line of sight ground based air defence weapon systems may include	Rapier RBS 70 Short range air defence Tracker radar Very short range air defence
Standard procedures may include	Australian Standards Doctrinal pamphlets Defence Instructions Job guides, other publications Manufacturers' handbooks, industry specifications and technical instructions OH&S regulations Organisational policies and procedures Procedure manuals Reengagement procedures Relevant local government by-laws Relevant state/territory or federal legislation Routine Orders Standing Operating Procedures Standing Orders Written and verbal orders
Ammunition defects may include	Cracks/dents Corrosion Damage packaging Humidity desiccant Protective covers missing
Ancillary equipment may include	Confidence equipment Generators
Targets may include	Air launched weapons Aircraft: <ul style="list-style-type: none">• fixed wing• rotary wing

RANGE STATEMENT

	Cruise missile Other targets as directed (land and sea) Tactical ballistic missile Unpiloted aerial vehicle
Identified aerial targets may be	Friendly Hostile Unknown
Defects with firing may include	Activated misfire Late interrogation of friend or foe (target) System fault Unactivated misfire
Operating maintenance may include	Basic servicing of ancillary equipment Cleaning Lubricating

Unit Sector(s)

Not applicable.

Corequisite Unit/s

Co-requisite Unit/s Nil