



Australian Government

Department of Education, Employment and Workplace Relations

DEFCA211B Supervise the destruction of hostile air targets using GBAD systems

Release: 1

DEFCA211B Supervise the destruction of hostile air targets using GBAD systems

Modification History

Not applicable.

Unit Descriptor

Unit Descriptor

This unit covers the competency required to supervise and control all aspects of the operation of a direct fire ground based missile system designed to destroy hostile aircraft.

The control of the ground based missile system requires target interrogation, analysis, engagement and decision-making based on tactical information, situational awareness and observed target activity.

While this work will be undertaken under the commander's direction the individual must be able to act independently as required by the circumstances.

This unit of competency is written for visual range ground based air defence weapon systems, which does not include small arms.

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

DEFCA204B Destroy hostile air targets using line of sight ground based air defence weapon systems
DEFCM104B Operate in a threat environment
PUAOPE002B Operate communications systems and equipment
BSBCMN206A Process and maintain workplace information

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. Prepare and deploy ground based air defence systems	1.1 Resources required for the performance of the task are determined and organised in accordance with orders 1.2 Identified problems/shortfalls are reported to immediate supervisor in accordance with standard procedures 1.3 Orders are followed to move to a directed location and concealment is maintained 1.4 Ground based air defence system is deployed in accordance with orders 1.5 System is established, integrated and checked for functionality
2. Control the engagement of targets with a ground based air defence systems	2.1 Advice is received on the operational situation and analysed to inform the engagement process 2.2 Ground based air defence system operations are directed and controlled in accordance with orders and standard procedures 2.3 Operational data is transmitted to the command post 2.4 Minor incidents are rectified 2.5 Major incidents beyond own level of authority or competence are reported to manager/s and action is taken as directed
3. Conduct maintenance on ground based air defence systems	3.1 Operator maintenance activities are supervised 3.2 Maintenance activities are performed in accordance with standard procedures
4. Redeploy a ground based missile system	4.1 Redeployment preparation is carried out 4.2 Orders are followed to move from one directed location to another 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

- communicate effectively
- interpret orders, instructions and directions
- manage a small team
- manual dexterity
- navigate
- operate communication equipment
- participate in air defence system deployment and operation drills
- recognise aerial targets appropriately
- use simulation systems

Required Knowledge

- airspace control measures
- characteristics, technical capabilities, effects and limitations of air defence systems
- communication networks
- factors effecting local defence
- ground based air defence command structure
- mechanical principles
- principles of camouflage
- radar principles
- relevant OH&S requirements

Evidence Guide

EVIDENCE GUIDE

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

Assessment must confirm the ability to recognise own level of authority; to correctly identify a number of different types of aerial targets as determined by the Combat Arms Training Centre; to prioritise targets in a high intensity situation encountered in a threat environment; to direct fire in a clear and concise manner, and to take appropriate action in the event of misfire and cancel missile in-flight; and to supervise the deployment and maintenance of ground based air defence systems.

Consistency in performance

Competency should be demonstrated over a period of time in a range of different environments that could be expected in the workplace.

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.

Specific resources for assessment

Access to a hi-fidelity simulator that accurately simulates the threat environment.

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.

Resources required may include

Ammunition
Any allocated support
Generators
Ground based air defence weapon system
Materials
Personnel
Rations
Stores
Vehicles
Visual alerting and cueing systems
Weapons

Standard procedures may include

Australian Standards
Defence Instructions
Doctrinal pamphlets
Job guides, other publications
Manufacturers' handbooks, industry specifications and technical instructions
Occupational health and safety (OH&S) regulations
Organisational policies and procedures
Procedure manuals
Relevant local government by-laws
Relevant state/territory or federal legislation
Routine Orders
Standing Operating Procedures
Standing Orders
Written and verbal orders

Ground based air defence system may include

Alerting and cueing system
Short range air defence weapon system
Very low level air defence weapon system

Operations may include

Cancel missile in-flight
Fire control
Firing
Misfire procedures
Operator direction
Target identification
Target prioritisation

Operational data may

Ammunition report

RANGE STATEMENT

include	Engagement report Situation report
Minor incidents may include	Damage to equipment Misfire
Major incidents may include	Explosive ordnance incident Incorrect target identification Injury to personnel
Maintenance may include	Non technical inspection Test and adjust equipment

Unit Sector(s)

Not applicable.

Corequisite Unit/s

Co-requisite Unit/s	Nil
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