



Australian Government

Department of Education, Employment and Workplace Relations

DEFCA425B Supervise the operation of mortars

Release: 1

DEFCA425B Supervise the operation of mortars

Modification History

Not applicable.

Unit Descriptor

Unit Descriptor

This unit covers the competency required to supervise and control all aspects of the operation of mortars.

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

DEFCA412B Operate a mortar

DEFCA421B Supervise infantry operations

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 mortars

- 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 Mortars are deployed and the command post is established in accordance with orders
- 1.4 Occupational health and safety (OH&S) requirements and recognised safety precautions are applied throughout the operation

2. Engage targets with mortars

- 2.1 Command post is effectively supervised
- 2.2 Accuracy of all firing data is confirmed
- 2.3 Lay of all weapons are correct before firing
- 2.4 Appropriate firing orders are given to the direct fire support weapon operators
- 2.5 Appropriate *ammunition* is selected in accordance with orders
- 2.6 *Minor incidents* are rectified in accordance with standard procedures
- 2.7 *Major incidents* beyond own level of authority or competence are reported to manager and action is taken as directed

3. Ensure mortars are maintained

- 3.1 Operator maintenance activities are supervised
- 3.2 Reported defects are rectified within limits of authority or reported to supervisor
- 3.3 *Maintenance* activities are completed 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

- interpret orders

Required Knowledge

- ammunition identification:
- type
- colour
- hazard band
- labelling
- markings
- lot/batch numbers
- packaging
- safety precautions associated with the task

Evidence Guide

EVIDENCE GUIDE

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

Assessment must confirm the ability to effectively direct and control the mortar operating crew supervise command post activities; to conduct sight testing; and to conduct non-technical inspection.

Consistency in performance

Competency should be demonstrated on operations or in simulated operational environments over time while firing live high explosive ammunition.

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

Competency should be assessed in a simulated operational environment.

Specific resources for assessment

Access to a live firing range, mortar crews, at least two mortars and live ammunition.

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
Materials
Personnel
Stores
Vehicles
Weapons

Standard procedures may include

Australian Standards
Defence Instructions
Doctrine pamphlets
Job guides, other publications
Manufacturers' handbooks, industry specifications and technical instructions
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

Ammunition may include

Anti armour
High explosive
Illumination
Improved conventional munitions
Precision guided munitions
Smoke

RANGE STATEMENT

	White phosphorus
	And may be used with following fuse types:
	<ul style="list-style-type: none">• super quick (point detonating /graze)• delay• proximity• time• near surface burst
Minor incidents may include	Damage to ancillary equipment Damage to firing mechanism Damage to sighting equipment Injury to personnel Jammed ammunition
Major incidents may include	Loss of personnel Exposure to direct or indirect attack from hostile forces unintended explosive ordnance detonation
Maintenance of mortars may include	Bore sighting Non-technical inspection Sight testing

Unit Sector(s)

Not applicable.

Corequisite Unit/s

Co-requisite Unit/s Nil