



**Australian Government**

# **DEFCA417B Destroy targets using a direct fire guided weapon system**

**Release: 2**

## DEFCA417B Destroy targets using a direct fire guided weapon system

### Modification History

| Release | TP Version | Comments                                                                                               |
|---------|------------|--------------------------------------------------------------------------------------------------------|
| 2       | DEF12 V2   | Unit descriptor updated<br>Application added<br>Minor Range Statement change<br>Evidence Guide updated |
| 1       | DEF12 V1   | Release                                                                                                |

### Unit Descriptor

This unit covers the competency required to safely handle, aim, fire, and maintain direct fire guided weapon systems, which may include Dragon, Javelin, Milan, and TOW, designed to destroy targets.

The weapon is designed to be carried by a person.

An individual would normally operate the weapon in a team environment under supervision. The operator must be thoroughly familiar with characteristics and capabilities of the guided weapon system and competent in the application of fire in an operational or simulated operational environment.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication. In a Defence context, this means that there is no civilian need to hold this unit in order to meet licensing, legislative, regulatory or certification requirements.

### Application of the Unit

This competency was developed for combat arms personnel required to operate direct fire guided weapon systems designed to destroy targets in a deployed operational environment but is applicable to any individual in this field of work.

The individual will usually operate under Orders for Opening Fire and in accordance with the Rules of Engagement.

All activities are carried out in accordance with relevant organisational policies and procedures.

### Licensing/Regulatory Information

Not applicable.

## Pre-Requisites

Not applicable.

## 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. Handle a direct fire guided weapon system            | <p>1.1 Weapon is safely handled and carried in accordance with <b>standard procedures</b>.</p> <p>1.2 <b>Ammunition</b> is identified, selected and safely handled in accordance with standard procedures.</p> <p>1.3 <b>Weapon drills</b> are conducted in accordance with standard procedures.</p> <p>1.4 <b>Fire positions</b> are adopted as required by environment and threat.</p> <p>1.5 Work health and safety (WHS) requirements and recognised safety precautions are applied throughout the operation.</p> <p>1.6 Ammunition is secured in accordance with standard procedures.</p>                                        |
| 2. Fire with a direct fire guided weapon system         | <p>2.1 <b>Weapon sighting systems</b> is employed as required by the operational environment, in accordance with standard procedures.</p> <p>2.2 Rules of Engagement and Orders for Opening Fire are complied with when firing the weapon in accordance with operational requirements.</p> <p>2.3 Targets are sighted, <b>identified</b> and selected by the operator in accordance with standard procedures.</p> <p>2.4 Targets are tracked and <b>engaged</b> as required by the operational environment, in accordance with standard procedures.</p> <p>2.5 Weapon is fired in accordance with orders and standard procedures.</p> |
| 3. Maintain and stow a direct fire guided weapon system | <p>3.1 <b>Operator maintenance</b> is conducted in accordance with standard procedures.</p> <p>3.2 <b>Defects</b> are identified and rectified within limits of authority or reported to supervisor.</p> <p>3.3 Documentation is completed in accordance with standard procedures.</p> <p>3.4 Direct fire support system is secured in accordance with standard procedures.</p>                                                                                                                                                                                                                                                       |

## Required Skills and Knowledge

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

### Required Skills

- achieve the required effects of fire
- apply battlecraft aggressively
- apply fieldcraft skills
- apply recognised safety precautions
- hand eye coordination
- handle weapon safely in an operational environment
- manual dexterity
- use binoculars
- work in a team

### Required Knowledge

- battlecraft
- characteristics, technical capabilities, effects, employment and limitations of the weapon
- characteristics, technical capabilities of the system
- fieldcraft
- fire control orders
- WHS requirements
- safety precautions associated with the equipment
- target identification
- team work
- weapon drills

## Evidence Guide

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

Assessment must confirm the ability to:

- proficiently track and engage targets using the weapon system
- carry out all weapon drills as listed in the Range Statement
- accurately identify the target type
- successfully carry out live or simulated engagements
- fire from any supported and unsupported position
- recognise limit of own authority

### Consistency in performance

Competency should be demonstrated over time and across a range of simulated or actual workplace situations allowing the individual to be assessed in a number of realistic operational scenarios.

### Context of and specific resources for assessment

#### Context of assessment

Competency should be assessed in the workplace or in a simulated workplace environment using live ammunition or simulation that accurately reflects the operation of the weapon system and the threat.

#### Specific resources for assessment

Access to a direct fire guided weapon system, ammunition and a live firing range.

## 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.

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><i>Standard procedures</i></b> may include:     | <ul style="list-style-type: none"> <li>• Australian Standards</li> <li>• defence instructions</li> <li>• doctrine pamphlets</li> <li>• job guides, other publications</li> <li>• manufacturers' handbooks, industry specifications and technical instructions</li> <li>• WHS regulations</li> <li>• organisational policies and procedures</li> <li>• procedure manuals</li> <li>• relevant local government by-laws</li> <li>• relevant state/territory or federal legislation</li> <li>• routine orders</li> <li>• standing operating procedures</li> <li>• standing orders</li> <li>• written and verbal orders</li> </ul> |
| <b><i>Ammunition</i></b> may include:              | <ul style="list-style-type: none"> <li>• high explosive anti-tank</li> <li>• high explosive multi-purpose</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b><i>Weapon drills</i></b> must include:          | <ul style="list-style-type: none"> <li>• checking clearances</li> <li>• degrees of weapon readiness</li> <li>• immediate action and misfire</li> <li>• safety precautions</li> <li>• stripping and assembling</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b><i>Fire positions</i></b> may include:          | <ul style="list-style-type: none"> <li>• supported or unsupported</li> <li>• prone</li> <li>• standing</li> <li>• kneeling</li> <li>• sitting</li> <li>• squatting</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b><i>Weapon sighting systems</i></b> may include: | <ul style="list-style-type: none"> <li>• electronic aiming devices</li> <li>• thermal/infra-red</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b><i>Target identification</i></b> must include:  | <ul style="list-style-type: none"> <li>• differentiation between friend or foe</li> <li>• vehicle type identification: <ul style="list-style-type: none"> <li>• main battle tanks and other armoured vehicle</li> <li>• slight armed vehicles</li> <li>• light skin vehicles</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                           |
| <b><i>Target identification</i></b> may            | <ul style="list-style-type: none"> <li>• verification by external agencies</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

|                                                     |                                                                                                                                                                                                                                            |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| include:                                            |                                                                                                                                                                                                                                            |
| <b><i>Engagement of the target</i></b> may include: | <ul style="list-style-type: none"><li>• destruction</li><li>• neutralisation</li></ul>                                                                                                                                                     |
| <b><i>Operator maintenance</i></b> may include:     | <ul style="list-style-type: none"><li>• battery replacement</li><li>• cleaning</li><li>• electrical connections inspection and cleaning</li><li>• inspections</li><li>• launcher caps replacement</li><li>• lens cap replacement</li></ul> |
| <b><i>Defects</i></b> may include:                  | <ul style="list-style-type: none"><li>• broken cocking rod</li><li>• broken firing pin</li><li>• damaged cartridge guide</li><li>• damaged sighting system</li><li>• faulty extension system</li><li>• faulty firing mechanism</li></ul>   |

## Unit Sector(s)

Not applicable.