



**Australian Government**

# **DEFEO802A Undertake proof firings of other calibre weapons**

**Release: 2**

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## Modification History

Release	TP version	Comments
2	DEF12 V2	Layout adjusted.
1	DEF12 V1	First release.

## Unit Descriptor

This unit covers the competency required to undertake proof or trial firings of other calibre weapons.

## Application of the Unit

This unit was developed for specialists working within proof and trials organisations within Defence but may be applicable to any individual in this field of work.

Typically these individuals must demonstrate the ability to work independently or as part of a weapon crew under direct and/or indirect supervision, use discretion and judgement, and take responsibility for the quality of their output. 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. Prepare for firing	<p>1.1 Work health and safety (WHS) requirements and recognised safety precautions including those contained in organisational procedures, are applied throughout the task</p> <p>1.2 <i>Other calibre weapons</i> are safely handled and/or carried in accordance with <i>standard procedures</i></p> <p>1.3 <i>Ammunition and explosive ordnance</i> are identified, selected and safely handled in accordance standard procedures</p> <p>1.4 <i>Weapons drills</i> are conducted in accordance with standard procedures</p> <p>1.5 Fire positions are adopted in accordance with the proof or trial requirement, where required</p> <p>1.6 <i>Static fired</i> weapons are safely prepared and secured in accordance with standard procedures</p>
2. Fire weapons	<p>2.1 Weapons are fired in a <i>person fired</i> or static fired mode in accordance with proof or trial requirements.</p> <p>2.2 Weapon sighting systems and associated equipment are employed in accordance with standard procedures</p> <p>2.3 Targets are identified and engaged in accordance with proof or trial requirements</p> <p>2.4 <i>Incidents</i> are reported in accordance with standard procedures</p>
3. Finalise a range practice	<p>3.1 <i>Operator maintenance</i> is undertaken in accordance with standard procedures or in accordance with the proof or trial instruction</p> <p>3.2 <i>Defects</i> are identified and reported in accordance with standard procedures</p> <p>3.3 <i>Refurbishment</i> of ranges is undertaken in accordance with standard procedures</p> <p>3.4 <i>Post range practice administration</i> is completed in accordance with standard procedures</p> <p>3.5 <i>Observations</i> on the firing are reported in accordance with the proof or trial instruction and organisational procedures</p>

## Required Skills and Knowledge

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

### Required Skills

- handle weapon safely
- identify relevant information
- operate weapon safely
- prepare and present simple reports
- provide and receive feedback in a constructive manner
- use appropriate information technology and software
- use a variety of verbal and non-verbal communication techniques

### Required Knowledge

- codes of practice
- firing operation and effect of relevant weapons
- information sources
- organisational guidelines and standards
- regulatory requirements
- relevant legislation
- standards relevant to organisational operations
- verbal communication techniques
- workplace safety in regard to handling relevant weapons
- written communication to a level required in the preparation of simple reports

## Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for this Training Package.

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

Assessment must confirm the ability to:

- safely operate the range of other calibre weapons used in the test/trial to conduct all weapon drills
- work as part of a weapon crew on appropriate crew served weapons

### Consistency in performance

Competency should be demonstrated over time in a variety of environments and tests/trials.

### Context of and specific resources for assessment

#### Context of assessment

Competency should be assessed in the workplace or in a simulated work environment, in accordance with all relevant legislation and organisational requirements.

#### Specific resources for assessment

Access is required to:

- live fire range and live ammunition
- pyrotechnics
- explosives

### Method of assessment

This unit may be assessed with the following unit:

- DEFEO101D Work safely with explosive ordnance

In a public safety environment assessment is usually conducted via direct observation in a training environment or in the workplace via subject matter supervision and/or mentoring, which is typically recorded in a competency workbook.

Assessment is completed using appropriately qualified assessors who select the most appropriate method of assessment.

Assessment may occur in an operational environment or in an industry-approved simulated work environment. Forms of assessment that are typically used include:

- direct observation
- interviewing the candidate
- journals and workplace documentation
- third party reports from supervisors

- written or oral questions

## Range Statement

<p>The Range Statement relates to the Unit of Competency as a whole. It allows for different work environments and situations that may affect performance. <b><i>Bold italicised</i></b> wording in the Performance Criteria is detailed below.</p>	
<p><b><i>Other calibre weapons</i></b> may include:</p>	<ul style="list-style-type: none"> <li>• Crew served, and direct and indirect fire weapons</li> <li>• Weapons of calibre larger than 20 mm</li> </ul>
<p><b><i>Standard procedures</i></b> may include:</p>	<ul style="list-style-type: none"> <li>• Australian Standards</li> <li>• International standards</li> <li>• Job guides and other publications</li> <li>• Manufacturers' handbooks, industry specifications and technical instructions</li> <li>• OH&amp;S 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>• Standard operating procedures</li> <li>• Verbal or written directions</li> </ul>
<p><b><i>Ammunition and explosive ordnance</i></b> may include:</p>	<ul style="list-style-type: none"> <li>• Anti personnel</li> <li>• Anti tank</li> <li>• Ball</li> <li>• Blank</li> <li>• Drill</li> <li>• High explosive</li> <li>• Illumination</li> <li>• Improved conventional munitions</li> <li>• Incendiary</li> <li>• Marker</li> <li>• Precision guided munitions</li> <li>• Rocket assist</li> <li>• Smoke base eject/all colours</li> <li>• Tracer</li> <li>• And may be used with fuze types: <ul style="list-style-type: none"> <li>• delay</li> <li>• proximity</li> <li>• super quick (point detonating/graze)</li> <li>• time</li> </ul> </li> </ul>
<p><b><i>Weapons drills</i></b> may include:</p>	<ul style="list-style-type: none"> <li>• Checking clearances</li> <li>• Degrees of weapon readiness</li> <li>• Immediate action and stoppage</li> </ul>



	<ul style="list-style-type: none"> <li>• Misfires</li> <li>• Safety precautions</li> <li>• Stripping and assembling</li> </ul>
<b><i>Static fired</i></b> refers to:	<ul style="list-style-type: none"> <li>• The firing of the weapon or munition using a remote firing arrangement and/or holding device</li> </ul>
<b><i>Person fired</i></b> refers to:	<ul style="list-style-type: none"> <li>• The firing of a weapon with the firer holding the weapon and firing it in its design mode</li> </ul>
<b><i>Incidents</i></b> may include:	<ul style="list-style-type: none"> <li>• Equipment malfunction or damage</li> <li>• Procedure difficulty</li> <li>• Safety breaches</li> <li>• Target malfunction</li> <li>• Weapon or munition malfunction</li> </ul>
<b><i>Operator maintenance</i></b> may include:	<ul style="list-style-type: none"> <li>• Cleaning</li> <li>• Lubricating</li> </ul>
<b><i>Defects</i></b> may include:	<ul style="list-style-type: none"> <li>• Corrosion</li> <li>• Cracks</li> <li>• Damaged charge bags</li> <li>• Damaged packing</li> <li>• Damaged weapon parts</li> <li>• Dented cartridge cases</li> <li>• Fluting on cartridge case</li> <li>• Incorrect fuze projectile combinations</li> <li>• Incorrect propellants</li> <li>• Proud or recessed primer</li> <li>• Rust</li> <li>• Weeping</li> </ul>
<b><i>Refurbishment</i></b> may include:	<ul style="list-style-type: none"> <li>• Cleaning up of firing points</li> <li>• Cleaning up, repairing or replacing unexploded ordnance</li> <li>• Destroying and/or reporting unexploded ordnance</li> <li>• Removing and accounting for range stores, produce and ammunition</li> </ul>
<b><i>Post range practice administration</i></b> may include:	<ul style="list-style-type: none"> <li>• Completing range clearance</li> <li>• Conducting clearances and inspections</li> <li>• Debriefing</li> <li>• Raising of relevant range, training and trade documentation</li> <li>• Submitting reports, returns and evaluations</li> </ul>

<i>Observations</i> may include:	<ul style="list-style-type: none"><li>• Defects observed</li><li>• Difficulties or positive occurrences relating to the trial or proof test</li><li>• Procedural difficulties</li></ul>
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## Unit Sector(s)

Not applicable.