



Australian Government

DEFEO800A Prepare proof firing points

Release: 2

DEFEO800A Prepare proof firing points

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 prepare proof firing points to support proof and trial testing of munitions and weapon systems.

The practitioner is responsible for ensuring the available firing point technologies and equipment best meet the design outcomes of the required test, not for planning the proof or trial outcome being tested.

Application of the Unit

This unit was developed for firing point specialists working within proof and experimental organisations in Defence but is applicable to any individual in this field of work.

Typically these individuals must demonstrate the ability to work as part of a team 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 proof or trial firing	1.1 <i>Proof or trial instruction</i> is read and clarified where necessary in accordance with standard procedures 1.2 Relevant <i>range regulations</i> are identified and applied in accordance with standard procedures 1.3 Work health and safety (WHS) requirements and recognised safety precautions including organisational procedures, are applied throughout the task 1.4 Required stores and <i>equipment</i> are identified, resourced and checked for calibration, serviceability and safety 1.5 Liaison with <i>relevant parties</i> is conducted 1.6 Agreement is obtained on firing point preparation in consultation with stakeholders and resources, in accordance with organisational procedures
2. Establish firing point	2.1 Equipment is installed in accordance with the proof or trial instruction and in compliance with relevant safety instructions and directions 2.2 Installation of data acquisition equipment by relevant personnel is monitored 2.3 Safety traces are checked against the set-up to confirm safety parameters are being adhered to 2.4 Functionality of the equipment is checked and identification data, condition and calibration are recorded
3. Monitor firing point equipment	3.1 Performance of equipment is <i>monitored</i> 3.2 Performance of equipment is documented and reported in accordance with organisational procedures 3.3 Observations of equipment are documented and reported
4. Recondition firing point	4.1 Safety checks are undertaken in accordance with organisational procedures 4.2 Equipment calibration is confirmed and recorded 4.3 Equipment condition is recorded and reported in accordance with organisational procedures 4.4 Firing point is reconditioned in accordance with proof or trial instruction and/or in accordance with organisational instructions

Required Skills and Knowledge

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

Required Skills

- analyse and evaluate information
- communicate with stakeholders
- identify relevant information
- liaise effectively with stakeholders
- prepare and present simple reports
- provide and receive feedback in a constructive manner
- review literature
- use appropriate information technology and software
- use a variety of verbal and non-verbal communication techniques

Required Knowledge

- analysis process
- effect of small arms, other calibre and explosive fire/detonation
- information sources
- licensing requirements
- organisational guidelines and standards
- proof and trial tests involving explosive ordnance
- regulatory requirements
- relevant codes of practice
- relevant legislation
- simple research techniques
- standards relevant to organisational operations
- verbal communication techniques
- workplace safety including the handling of explosive ordnance
- 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

- prepare, install and recondition the equipment necessary to prepare proof firing points
- monitor these during proof firings.

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

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. <i>Bold italicised</i> wording in the Performance Criteria is detailed below.</p>	
<p><i>Proof or trial instruction</i> may include:</p>	<ul style="list-style-type: none"> • Proof or trial mounting instructions • Relevant technical publications or attachments • Sponsor proof or trial objectives • Technical policy or instructions relevant to the proof or trial
<p><i>Range regulations</i> may include:</p>	<ul style="list-style-type: none"> • Ammunition technical instructions • Range, area and organisational standing orders • Relevant weapon, ammunition and equipment publications • Safety manual
<p><i>Equipment</i> may include:</p>	<ul style="list-style-type: none"> • Devices/equipment supporting measurement at firing points • Devices to support static or person fired tests/trials and may include custom made weapon holding/firing structures • Devices supporting test/trial initiation at firing points
<p><i>Relevant parties</i> may include:</p>	<ul style="list-style-type: none"> • Ammunition preparation staff • Data acquisition personnel • Range staff including: <ul style="list-style-type: none"> • range conducting officer • range environmental staff • range maintenance staff • range safety staff • Stakeholders
<p><i>Monitoring performance of equipment</i> may include:</p>	<ul style="list-style-type: none"> • Observation of equipment and site during test directly • Remote monitoring

Unit Sector(s)

Not applicable.