



Australian Government

DEFEO807A Prepare explosive ordnance for proof tests

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 prepare explosive ordnance for proof tests. The preparation of explosive ordnance for proof testing is a normal component of this testing. The preparation includes a range of alterations and modifications required to meet the proof testing process.

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 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. Identify the trial and proof test explosive ordnance requirements	1.1 <i>Proof or trial instructions</i> are read and clarified where necessary, in accordance with standard procedures 1.2 Work health and safety (WHS) requirements and recognised safety precautions including organisational procedures, are identified and applied throughout the task 1.3 Required stores and equipment are identified, resourced and checked for calibration, serviceability and safety 1.4 Liaison with <i>relevant parties</i> is conducted
2. Conduct the preparation activities	2.1 <i>Environmental requirements</i> are adhered to 2.2 Explosive ordnance is <i>prepared</i> in accordance with proof or trial requirements, and organisational procedures and authorities 2.3 Records are maintained throughout the process to ensure traceability of preparation activities
3. Recondition the preparation area	3.1 Excess explosive ordnance is returned to store or disposed of in accordance with the trial/proof instruction and organisational procedures 3.2 Area is made safe in accordance with organisational procedures 3.3 Documentation and reports are finalised in accordance with trial/proof instructions and organisational procedures

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 effectively 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
- codes of practice
- information sources
- licensing requirements
- organisational guidelines and standards
- regulatory requirements
- relevant legislation
- simple research techniques
- standards relevant to organisational operations
- verbal communication techniques
- workplace safety in regard to handling 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 and modify ammunition and explosives to prepare for proof firing
- maintain the relevant records

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:

- licensed explosive workshop
- 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

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.

<i>Proof or trial instructions</i> may include:	• 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
<i>Relevant parties</i> may include:	• Explosive ordnance supply staff • Range staff including: • range conducting officer • range maintenance staff • range safety staff • Stakeholders
<i>Environmental requirements</i> may include:	• Electromagnetic radiation • Hazardous material • Humidity • Noise • Temperature • Vibration parameters
<i>Preparing explosive ordnance</i> may include:	• Modifying ammunition through: • altering charge quantities • altering charge type • conditioning explosive ordnance in terms of temperature, humidity, etc. • drilling casing • facilitating the attachment of sensors • modifying fuze function

Unit Sector(s)

Not applicable.