



Australian Government

DEFEO510C Maintain small arms ammunition

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 maintain small arms ammunition to depot level maintenance requirements as specified by the Australian Defence Force.

The unit includes the identification and selection of tools and equipment, the application of organisational safety requirements and appropriate legislative and regulatory requirements.

Application of the Unit

As agreed in the creation of this Training Package, applications for units transferred from the PUA00 Public Safety Training Package will be developed as part of continuous improvement plans, and taking into account the change in Unit of Competency format as detailed in templates for Streamlined Training Packages.

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 maintenance	1.1 Maintenance requirements of small arms ammunition is identified from work requests/instructions, analysed and confirmed 1.2 Work health and safety requirements, including those contained in organisation procedures, are applied throughout the operation 1.3 Small arms ammunition to be maintained is identified, confirmed and acquired in accordance with organisation policy and procedures, and technical documentation 1.4 Technical references, tools, equipment, consumables and packaging components are identified, acquired and prepared in accordance with organisation procedures 1.5 Net explosive quantities and compatibility are identified, calculated, assessed and applied throughout the operation 1.6 Environmental conditions are monitored and, where appropriate, maintained in accordance with organisation policy
2. Maintain small arms ammunition	2.1 Small arms ammunition is inspected in accordance with organisation policy and procedures 2.2 Relevant maintenance is conducted in accordance with organisation procedures, technical specifications and drawings 2.3 Emergency and contingency procedures are applied in accordance with organisation policy 2.4 Relevant tests are conducted and recorded in accordance with organisation procedures, technical specifications and drawings
3. Complete the maintenance activity	3.1 Small arms ammunition is processed in accordance with the requirements specified in the work request 3.2 Equipment/tools are maintained in accordance with organisation policy and procedures 3.3 Housekeeping procedures are conducted in accordance with workshop requirements 3.4 Documentation and records are maintained in accordance with statutory, organisation and workshop requirements

Required Skills and Knowledge

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

Required Skills

- apply relevant work health and safety requirements
- apply operational safety
- identify appropriate small arms ammunition
- identify and select appropriate tools and equipment
- calculate net explosive quantity
- apply compatibility constraints
- apply environmental constraints
- conduct tests
- use tools and equipment
- maintain documentation
- communicate orally and in writing

Required Knowledge

- relevant work health and safety requirements
- operational safety
- operations, characteristics and limitations of small arms ammunition to be maintained
- net explosive quantity calculations
- assessment of compatibility
- effects of environmental conditions
- colour coding, marking and labels
- maintenance procedures
- testing procedures
- operations, characteristics and limitations of tools and equipment used in maintenance
- documentation requirements

Evidence Guide

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

Assessment must confirm the ability to comply with organisation safety requirements and appropriate legislative and regulatory requirements while maintaining small arms ammunition.

Assessment must also confirm the ability to work safely within an explosive ordnance environment and to:

- calculate and apply net explosive quantity
- assess and apply compatibility
- conduct relevant tests
- maintain documentation

Consistency in performance

Competency should be demonstrated in a range of actual or simulated small arms ammunition maintenance contexts.

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 organisation requirements.

Specific resources for assessment

Access to facilities and resources used in the storage, distribution or maintenance of explosive ordnance, including a licensed explosive site.

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>Small arms ammunition</i> include:	• All items currently on the Australian Defence Force in-service small arms ammunition inventory
<i>Organisation</i> may include:	• The Defence organisation • Other government departments or instrumentalities that work with explosive ordnance • Enterprises that work with explosive ordnance
<i>Technical references</i> may include:	• Technical drawings • Technical reference pamphlets • Other publications • Orders and instructions
<i>Net explosive quantities</i> include:	• The explosive capacity calculated in a wide range of activities related to the storage, distribution and maintenance of explosive ordnance
<i>Compatibility</i> is:	• Assessed in a wide range of activities related to the storage, distribution and maintenance of explosive ordnance and other hazardous materials
<i>Environmental conditions</i> may include:	• Heat • Humidity • Pressure • Air quality
<i>Relevant maintenance</i> may include:	• Components change out • Cleaning • Painting • Fuzing and defuzing
<i>Tests</i> may include:	• Continuity tests • Measuring • Gauging
<i>Processing</i> may include:	• Forwarding small arms ammunition for inspection, testing, maintenance, storage or issue, and may include some additional preparation such as packaging
<i>Documentation and records</i> may include:	• Timesheets • Work records • Receipt and issue records

Unit Sector(s)

Not applicable.