



Australian Government

DEFEO301D Package ammunition

Release: 2

DEFEO301D Package ammunition

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 package ammunition, explosive ordnance and explosive components for transportation and storage.

Application of the Unit

This competency normally applies to the individual who is required to prepare, package and finalise documentation for ammunition, explosive ordnance and explosive components for the purpose of transportation and storage, where packaging includes painting, stencilling, marking, sealing strapping, vacuum evacuation and labelling.

The unit requires the individual to calculate net explosive quantity, apply compatibility constraints, mark the packaging with internationally recognised coding and maintain a range of documentation.

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 packaging	1.1 Packaging requirements are identified from work requests/instructions and confirmed with relevant personnel 1.2 Work health and safety (WHS) requirements, including those contained in organisational procedures, are applied throughout the operation 1.3 Technical references, tools, equipment, consumables and packaging components are identified, acquired and prepared in accordance with organisational procedures 1.4 Net explosive quantities and compatibility are identified, calculated, analysed and applied throughout the operation 1.5 Environmental conditions are monitored and maintained in accordance with organisational policy
2. Pack ammunition/explosive ordnance	2.1 Ammunition/explosive ordnance or explosive components are identified and prepared for packaging in accordance with organisational policy and procedures 2.2 Ammunition/explosive ordnance or explosive components are packaged in accordance with technical instructions, technical drawings and organisational procedures 2.3 Emergency and contingency procedures are applied in accordance with organisational policy 2.4 Packaging is prepared and marked in accordance with statutory and organisational requirements 2.5 Unit load is assembled and prepared in accordance with shipping/storing requirements and organisational procedures 2.6 Relevant calculations are carried out and recorded
3. Finalise packaging procedures	3.1 Equipment/tools are maintained in accordance with organisational policy and procedures 3.2 Documentation and records are maintained in accordance with statutory, organisational and workshop requirements

Required Skills and Knowledge

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

Required Skills

- apply colour coding, markings, stencilling and labels
- apply compatibility constraints
- apply environmental constraints
- apply moisture absorption procedures
- apply relevant WHS requirements
- apply operational safety
- apply sealing procedures
- calculate and maintain net explosive quantity
- calculate weight, volume and dimensions
- identify ammunition/explosive ordnance and packaging materials
- maintain documentation
- package ammunition/explosive ordnance
- read, access, interpret and apply technical instructions and drawings related to packaging of ammunition/explosive ordnance
- purge ammunition and package
- use relevant tools and equipment

Required Knowledge

- ammunition/explosive ordnance to be packaged
- appropriate ammunition/explosive ordnance packaging
- colour coding, markings, stencilling and labelling requirements
- compatibility constraints
- documentation requirements
- effects of environmental conditions
- heat and/or vacuum sealing procedures
- moisture absorption procedures
- net explosive quantity calculations
- operation and limitations of packaging tools and equipment
- operational safety
- packaging procedures
- purging procedures
- relevant WHS requirements
- weight volume and dimension calculations
- work condition class

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:

- adhere to relevant WHS requirements and operational safety
- identify and select appropriate packaging materials and components
- package ammunition
- mark and label packaged ammunition/explosive ordnance
- maintain documentation

Consistency in performance

Competency should be demonstrated over time and in a range of actual or simulated explosive ordnance contexts.

Context of and specific resources for assessment

Context of assessment

Competency should be assessed in the workplace or under conditions which accurately simulate a realistic workplace in accordance with all relevant legislation and organisational requirements.

Evidence should be gathered through observation of the practical component and targeted questioning to assess required knowledge.

Specific resources for assessment

Access is required to:

- facilities and resources used in the packaging, storage, distribution and maintenance of explosive ordnance, including a licensed explosive site

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>Packaging requirements</i> may include:	• Labelling • Marking • Painting • Sealing • Stencilling • Strapping • Vacuum evacuation
<i>Organisation</i> may include:	• Defence organisation • Enterprises that work with explosive ordnance • Other government departments or instrumentalities that work with explosive ordnance
<i>Technical references</i> may include:	• Orders and instructions • Pamphlets • Publications • Technical drawings
<i>Net explosive quantities</i> include:	• 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:	• Humidity • Pressure • Temperature
<i>Preparation</i> may include:	• Confirmation of amendment status of technical references and publications • Inspection of packaging to confirm condition status • Inspection of the ammunition/explosive ordnance or associated components to confirm condition status • Pre-positioning of consumables and tools • Visual confirmation that the ammunition/explosive ordnance or associated components selected for the operation are the correct items
<i>Calculations</i> may include:	• Compatibility • Net explosive quantities • Packaging dimensions • Packaging volume

	• Packaging weight
<i>Documentation and records</i> may include:	• Data cards • Placarding • Receipt and issue records • Shipping name • Timesheets • UN number • Work records

Unit Sector(s)

Not applicable.