



Australian Government

DEFEO217A Operate a large quantity explosive ordnance facility

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 operate a storage facility licensed to contain a large quantity of explosive ordnance.

Application of the Unit

This competency normally applies to the individual who is required to develop and apply storage plans and operate a large quantity facility.

The unit requires the individual to calculate net explosive quantity, apply compatibility constraints, ensure package sealing requirements are applied 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. Confirm requirements of a large quantity facility	<p>1.1 <i>Large quantity facility</i> requirements are identified from work requests/instructions and confirmed with relevant authorities</p> <p>1.2 Work health and safety (WHS) requirements, including those contained in <i>organisational</i> procedures, are applied throughout the operation</p> <p>1.3 Large quantity facilities are sited in accordance with statutory and organisational procedures</p> <p>1.4 <i>Explosive limit licences</i> are identified and displayed in accordance with organisational procedures</p> <p>1.5 <i>Storage plans</i> are developed, approved and displayed in accordance with organisational procedures</p>
2. Operate the facility	<p>2.1 <i>Net explosive quantities</i> and <i>compatibility</i> are identified, calculated, confirmed and applied throughout the operation</p> <p>2.2 Ammunition/explosive ordnance or explosive components to be stored, are packaged, sealed and marked in accordance with statutory and organisational procedures</p> <p>2.3 Relevant <i>calculations</i> are carried out and recorded</p> <p>2.4 Items held in a large quantity facility are issued and received in accordance organisational procedures</p> <p>2.5 Fire symbols, including supplementary fire symbols, are displayed in accordance organisational procedures</p> <p>2.6 Emergency and contingency procedures are applied in accordance with organisational policy</p> <p>2.7 <i>Explosive content boards</i> are used to monitor explosive license limit during operations in accordance with organisational procedures</p>
3. Maintain facility operating requirements	<p>3.1 Equipment and tools are maintained in accordance with organisational policy and procedures</p> <p>3.2 Housekeeping procedures are conducted in accordance with facility requirements</p> <p>3.3 <i>Documentation and records</i> are maintained in accordance with statutory and organisational requirements</p>

Required Skills and Knowledge

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

Required Skills

- apply compatibility constraints
- apply operational safety
- apply relevant WHS requirements
- apply sealing procedures
- calculate and maintain net explosive quantity
- maintain documentation
- read, access, interpret and apply explosive limit licences

Required Knowledge

- compatibility constraints
- documentation requirements
- explosive ordnance packaging and inspection requirements
- net explosive quantity calculations
- operational safety
- relevant WHS requirements
- 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 procedures
- identify and apply explosive limit licences, issue and receipt procedures, storage plans
- 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

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>Large quantity facilities</i> are defined as:</p>	<ul style="list-style-type: none"> Storage and processing facilities intended for net explosive quantities of 50 kg and above
<p><i>Organisation</i> may include:</p>	<ul style="list-style-type: none"> Defence organisation Enterprises that work with explosive ordnance Other government departments or instrumentalities that work with explosive ordnance
<p><i>Explosive limit licence</i> is defined as:</p>	<ul style="list-style-type: none"> Document that provides the permitted net explosive quantities allowed in a building or site
<p><i>Storage plans</i> may include:</p>	<ul style="list-style-type: none"> Explosive content boards Organisational documentation authorising the use and explosive content of an explosives facility Other organisation storage plans And may be electronic or paper-based
<p><i>Net explosive quantity:</i></p>	<ul style="list-style-type: none"> Is defined as quantity of explosive substance in explosive items, facility and/or mode of transport Does not include such substances as white phosphorus, war gases or smoke and incendiary compositions unless these substances contribute significantly to the dominant hazard of the hazard division concerned In imperial terms of measurement, equates to net explosive weight
<p><i>Compatibility</i> is:</p>	<ul style="list-style-type: none"> Where explosive ordnance and explosives may be stored and transported together without significantly increasing either the probability of an accident or, for a given quantity, the magnitude of the effect of such an accident
<p><i>Calculations</i> may include:</p>	<ul style="list-style-type: none"> Compatibility Net explosive quantities
<p><i>Explosive content boards:</i></p>	<ul style="list-style-type: none"> Identify the explosive items and quantities contained in the facility Are located inside the facility in the near vicinity of the doorway together with a copy of the explosives limit licence

<i>Documentation and records</i> may include:	<ul style="list-style-type: none">• Receipt and issue records• Storage plans• Timesheets• Work records
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Unit Sector(s)

Not applicable.