**Australian Government**

# DEFEO719A Render explosive ordnance inert

**Release 2**

INDUSTRY
SKILLS
COUNCILS
Creating Australia's Future

# DEFEO719A Render explosive ordnance inert

## 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 render explosive ordnance inert.
It does not cover the authorisation process to render explosive ordnance inert.

## Application of the Unit

This competency normally applies to the individual who is required to render explosive ordnance inert.
Rendering explosive ordnance inert is normally undertaken to provide a training display or model but may also be used to allow transportation of specific explosive ordnance required for testing or analysis.

## Licensing/Regulatory Information

Not applicable.

## Pre-Requisites

DEFEO505D Breakdown explosive ordnance
DEFEO507D Assemble and disassemble explosive components

## 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 Pre-Content

# Elements and Performance Criteria

| ELEMENT | PERFORMANCE CRITERIA |
|---|---|
| 1. **Prepare to render explosive ordnance inert** | 1.1 Requirement for *explosive ordnance to be rendered inert* is identified from work requests/instructions and is confirmed |
| | 1.2 Work health and safety (WHS) requirements, including those contained in *organisational* procedures, are applied throughout the operation |
| | 1.3 *Technical references*, *tools and equipment* required are identified, acquired and prepared in accordance with organisational procedures |
| | 1.4 Explosive ordnance to be rendered inert is acquired, prepared, moved and positioned in preparation for the task |
| | 1.5 *Net explosive quantities* and *compatibility* are identified, calculated, assessed and applied throughout the operation |
| | 1.6 *Environmental conditions* are monitored and maintained in accordance with organisational policy |
| 2. **Make explosive ordnance inert** | 2.1 Explosive ordnance is broken down in accordance with organisational policy and procedures |
| | 2.2 Components are *processed* in accordance with the requirements specified in the work request |
| | 2.3 Inert components are reassembled and labelled in accordance with organisational policy and procedures |
| | 2.4 Emergency and contingency procedures are applied in accordance with organisational policy |
| 3. **Finalise the operation** | 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 environmental constraints
- apply safety policies and structures
- calculate and apply net explosive quantity
- conduct housekeeping
- identify and apply compatibility constraints
- maintain documentation
- read, access, interpret and apply technical instructions and drawings related to the process required to render explosive ordnance inert
- use tools and equipment

**Required Knowledge**

- assessment of compatibility
- calculation of net explosive quantity
- characteristics and limitations of explosive ordnance to be rendereed inert
- effects of environmental conditions
- operations, characteristics and limitations of tools and equipment required for to render explosive ordnance inert
- organisational documentation requirements
- organisational safety information sources
- organisational safety policies and structures
- procedures for rendering explosive ordnance inert

# 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.

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| **Critical aspects for assessment and evidence required to demonstrate competency in this unit** | Assessment must confirm the ability to comply with: |
| | • organisational safety requirements |
| | • appropriate legislative and regulatory requirements |
| | • |
| | Assessment must also confirm the ability to: |
| | • work safely within an explosive ordnance environment |
| | • calculate and apply net explosive quantity |
| | • assess and apply compatibility |
| | • maintain documentation |
| | **Consistency in performance** |
| | Competency should be demonstrated 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 in a simulated work environment, in accordance with all relevant legislation and organisation requirements. |
| | **Specific resources for assessment** |
| | Access is required to: |
| | • facilities and resources used in the storage, distribution or 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

| 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. |
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| **_Rendering explosive ordnance inert_** may be conducted: | • For analysis purposes<br>• For testing purposes<br>• To provide training aid<br>• To show components<br>• And may include the requirement to render inert under precaution or remotely |
| **_Organisation_** may include: | • Defence organisation<br>• Enterprises that work with explosive ordnance<br>• Other government departments or instrumentalities that work with explosive ordnance |
| **_Technical references_** may include: | • Orders and instructions<br>• Other publications<br>• Technical drawings<br>• Technical reference pamphlets |
| **_Tools and equipment_** may include: | • Beryllium tools<br>• Remotely operated equipment<br>• Special handling equipment<br>• Special tools required to render explosive ordnance inert |
| **_Net explosive quantities_** include: | • The explosive capacity calculated in a wide range of activities related to the storage, distribution and maintenance of explosive ordnance |
| **_Compatibility_** is: | • Assessed in a wide range of activities related to the storage, distribution and maintenance of explosive ordnance and other hazardous materials |
| **_Environmental conditions_** may include: | • Air quality<br>• Heat<br>• Humidity<br>• Pressure |
| **_Processing components_** may include: | • Forwarding components for disposal, cleaning or testing<br>• And may include some additional preparation such as packaging |
| **_Documentation and records_** may include: | • Authorisation to render explosive ordnance inert<br>• Free from explosive (FFE) declaration<br>• Receipt and issue records<br>• Timesheets |

| | • Work records |
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## Unit Sector(s)

Not applicable.