



Australian Government

DEFEO702D Destroy unexploded ordnance

Release: 2

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Modification History

Release	TP version	Comments
2	DEF12 V2	Unit descriptor corrected.
1	DEF12 V1	First release.

Unit Descriptor

This unit covers the competency required to destroy unexploded ordnance (UXO) by detonation.

Unexploded ordnance includes any authorised explosive ordnance or explosive ordnance that has failed to function as designed while in use on a licensed range. Destruction is normally carried out by explosives in the location of the unexploded ordnance.

Application of the Unit

This competency normally applies to the individual who is required to prepare for and destroy UXO by detonation and undertake appropriate site/equipment maintenance and/or refurbishment.

Explosive ordnance in this competency includes that which has malfunctioned/failed to function following attempted firing or ignition.

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 destruction	1.1 Requirement for the destruction of <i>unexploded ordnance</i> is identified from work requests/instructions and confirmed with relevant personnel. 1.2 Work health and safety (WHS) requirements including those contained in <i>organisational</i> procedures, are applied throughout the operation. 1.3 Item/s to be destroyed and destruction method are confirmed in accordance with organisation policy and procedures. 1.4 <i>Documentation and instructions</i> are prepared in accordance with statutory, organisation requirements. 1.5 Liaison and notification of parties affected by the destruction is undertaken in accordance with organisation policy and procedures, and Range Standing Orders. 1.6 Site/equipment <i>preparation</i> is completed in accordance with organisation policy and procedures, and Range Standing Orders.
2. Destroy unexploded ordnance	2.1 Unexploded ordnance and destruction means are prepared and tested in accordance with Range Standing Orders and organisation policy. 2.2 Unexploded ordnance is destroyed. 2.3 Emergency and contingency procedures are applied in accordance with organisation policy and Range Standing Orders. 2.4 Residue is inspected to ensure all items have been destroyed in accordance with Range Standing Orders.

- 3. Finalise the destruction process**
- 3.1 Site/equipment is maintained and/or refurbished in accordance with organisation policy and procedures, and Range Standing Orders.
 - 3.2 Documentation and records are maintained in accordance with statutory and organisation requirements.

Required Skills and Knowledge

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

Required Skills

- apply operational safety
- apply range requirements
- calculate and apply time and safety distance
- conduct calculations
- conduct site preparation and refurbishment
- develop and prepare risk analysis and instructions
- maintain documentation
- read, access, interpret and apply technical instructions

Required Knowledge

- characteristics and limitations of the unexploded ordnance to be destroyed
- destruction procedures and requirements
- documentation requirements
- emergency and contingency procedures
- initiation procedures
- operational safety
- range requirements
- relevant testing procedures
- risk analysis
- safety distance calculation procedures
- site preparation and refurbishment requirements

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:

- comply with operational safety including the risk analysis
- prepare and refurbish the destruction site or equipment
- prepare instructions and documentation
- destroy unexploded ordnance
- apply emergency and contingency procedures

Consistency in performance

Competency should be demonstrated in a range of actual or simulated explosive ordnance destruction contexts in a safe and efficient manner.

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 Defence requirements.

Specific resources for assessment

Access is required to:

- licensed range
- unexploded ordnance to be destroyed

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. <i>Bold italicised</i> wording in the Performance Criteria is detailed below.	
<i>Unexploded ordnance</i> may include:	• any authorised Australian Defence Force explosive ordnance that has failed to function as designed
<i>Organisation</i> may include:	• defence organisation • enterprises that work with explosive ordnance • other government departments or instrumentalities that work with explosive ordnance
<i>Documentation and instructions</i> may include:	• range instructions • risk analysis
<i>Preparation</i> may include:	• calculation of safety distances including safety fuse burning times • confirmation of: • calibre of explosive ordnance to be destroyed • quantity of explosive ordnance • nature of explosive ordnance • tests including: • safety fuse • continuity tests on electric detonators • discontinuity tests on firing cables • continuity tests on firing cables • resistance tests on firing cables

Unit Sector(s)

Not applicable.