



Australian Government

DEFEO212C License explosive ordnance facilities and potential explosive sites

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 inspect and license explosive ordnance facilities and potential explosive sites and review current licences. Explosive ordnance licensing applies to all potential explosive sites and is part of the quality and safety control processes.

Application of the Unit

This competency normally applies to the individual who is required to inspect and license explosive ordnance facilities and potential explosive sites, and review current licences. The unit requires the individual to inspect the potential explosive facility, to apply formulae to determine the net explosive quantity and compatibility for the facility, and to prepare the licensing documentation for approval.

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. Plan and prepare for licensing	1.1 <i>Explosive ordnance facility</i> to be licensed is identified from work requests/instructions, analysed and confirmed 1.2 <i>Documentation</i> related to the facility is identified and assembled in accordance with <i>organisational</i> procedures 1.3 Liaison is undertaken with relevant personnel in accordance with current procedures 1.4 Work health and safety (WHS) and explosive safety requirements including those contained in organisational procedures, are identified and applied throughout the licensing process
2. Inspect facility	2.1 <i>Facility</i> is inspected in accordance with licensing requirements 2.2 <i>Facility construction standards</i> are confirmed in accordance with licensing requirements 2.3 <i>Measurements</i> are taken in accordance with licensing requirements
3. Calculate licence	3.1 <i>Formulae</i> are applied and calculations conducted in accordance with licensing requirements 3.2 <i>Licensing shortfalls</i> are advised in accordance with organisational procedures 3.3 Licensing documentation is prepared and forwarded to <i>appropriate personnel</i> in accordance with organisational procedures 3.4 Documentation, records and reports related to the facility licence are maintained in accordance with organisational procedures

Required Skills and Knowledge

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

Required Skills

- apply WHS requirements
- calculate licensing requirements
- communicate with stakeholders effectively
- conduct inspections
- identify problems and non adherence to policy and standards
- interact with stakeholders effectively
- interpret the capabilities and effects of Australian Defence Force explosive ordnance
- maintain documentation
- read and understand relevant workplace documentation

Required Knowledge

- characteristics, technical capabilities, effects and limitations of Australian Defence Force explosive ordnance
- documentation requirements
- explosive ordnance licensing formula
- inspection procedures
- net explosive quantity and compatibility
- policies and procedures applicable to explosive ordnance facilities
- relevant documentation
- relevant WHS requirements
- reporting requirements
- spatial measurement including length, width, perimeter and area
- technical capabilities and limitations of equipment used in the licensing process
- verbal and non-verbal communication techniques including language style, active listening

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:

- plan and prepare for licensing
- research and examine the required documentation
- inspect the facility and potential explosive site to be licensed
- draw conclusions and recommendations from these activities

The unit requires the individual to be able to:

- demonstrate their knowledge of licensing requirements
- demonstrate the application of formulae relevant to licensing
- prepare licensing documentation for authorisation

Consistency in performance

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

Context of and specific resources for assessment

Context of assessment

Competency should be assessed by observing an individual within the workplace or simulated environment in a role where the licensing of explosive ordnance facilities is required.

Evidence should be gathered through questioning relating to required knowledge and the submission of a portfolio of licensing documentation conducted over a range of facilities.

Specific resources for assessment

Access is required to:

- explosive ordnance facilities and resources used in the licensing of those facilities.

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.

<i>Explosive ordnance facility</i> may include:	• Current licensed facility being reviewed • Potential explosive site which may be a cavern, chamber, building, cell or stack, which contains or is intended to contain explosive ordnance under consideration • Potential explosive site to be licensed • And may include more than one facility on a site
<i>Documentation</i> may include:	• Aerial photographs • Current licence • Diagrams • Other maps • Reports • Risk assessments • Safe guarding maps • Standing operating procedures • User requirement • Waivers
<i>Organisation</i> may include:	• Defence organisation • Enterprises that work with explosive ordnance • Other government departments or instrumentalities that work with explosive ordnance
<i>Inspection of facility</i> may include:	• Examination of electronic and manual records and the inspection of the following areas: • alarm and fire protection systems • access controls • earthing systems • venting systems • licensing requirements, including: • net explosive quantity • facility compliance • facility records, including: • environmental • maintenance and housekeeping standards, including: • building standards • And may require the use of equipment such as: • computers

	• digital cameras • laser range finders • global positioning systems
Facility construction standards may include:	• Access • Size • Type of construction
Measurements may include:	• Height and width of traverses • Safety distances
Formulae may include:	• Blast effects • Safety distances
Licensing shortfalls may include:	• Recommendations on steps required to meet licensing requirements
Appropriate personnel may include:	• Authorising officer • Licensing authority • Minister for Defence • Ordnance safety group • Regional services

Unit Sector(s)

Not applicable.