



**Australian Government**

# **DEFEO603C Conduct explosive ordnance trials**

**Release 2**

## DEFEO603C Conduct explosive ordnance trials

### 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 conduct trials in an explosive ordnance research environment.

Explosive ordnance trials are normally conducted to select new weapons systems or explosive ordnance for introduction into the Australian Defence Force.

### Application of the Unit

This competency normally applies to the individual who is required to prepare and conduct trials in the explosive ordnance research environment

Trials are a common component of explosive ordnance research and involve a large number of personnel both in their planning and implementation. Individuals however, may not necessarily be involved in both the planning and implementation of the research. It is common that individuals involved in the implementation phase of the trials are not involved in the planning phase. In other instances an individual may be involved with both the planning phase and the implementation phase of the trial.

### 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 trials

- 1.1 Information on resource requirements and availability is obtained and confirmed in accordance with procedures
- 1.2 ***Information support systems*** for the ***trial***, including achievable reporting and recording processes are prepared in accordance with resource requirements
- 1.3 Coordination issues with others affected by the trial are negotiated and resolved
- 1.4 Work health and safety (WHS) principles and requirements are identified and observed throughout the trial process

#### 2. Conduct trials

- 2.1 Trial planners are identified and liaison is effected in accordance with policy and procedures
- 2.2 Trial plan is implemented, monitored and amended based on changing circumstances in accordance with ***methodologies and procedures***
- 2.3 ***Resources*** are allocated to trial tasks in accordance with the plan and resource availability
- 2.4 Data being generated by the trial is recorded in accordance with the agreed methodology

#### 3. Report on trials results

- 3.1 Data generated by the trial is collected and reported in accordance with policy and procedures
- 3.2 Options and recommendations resulting from the trial are provided in ***a clear and comprehensive format***
- 3.3 Post trial reports, statistical reports and other records are produced and maintained in accordance with requirements

## **Required Skills and Knowledge**

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

### **Required Skills**

- allocate resources
- apply organisational WHS requirements
- apply organisational safety policies and structures
- assess risks
- communicate clearly and effectively
- coordinate activities
- evaluate information
- write reports

### **Required Knowledge**

- evaluation processes
- organisational WHS requirements
- organisational safety policies and structures
- reporting procedures
- resource allocation procedures
- resource requirements
- risk assessment
- trialling methodologies

## 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:

- implement trial methodologies and procedures
- identify issues and liaise with trials
- identify and coordinate trial resources
- record trial data
- document trial results

### **Consistency in performance**

Competency should be demonstrated in a range of actual or simulated trials 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.

#### **Specific resources for assessment**

Access is required to:

- facilities and resources used in conducting trials in a research environment

### **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.

<b><i>Information support systems</i></b> may include:	<ul style="list-style-type: none"> <li>• Computerised systems</li> <li>• Manual systems</li> </ul>
<b><i>Trials</i></b> may include:	<ul style="list-style-type: none"> <li>• Environmental testing</li> <li>• Organisational trials</li> <li>• Proof testing</li> <li>• Research group or divisional trials</li> <li>• Specific field testing which is not a normal component of laboratory testing</li> </ul>
<b><i>Methodologies and procedures</i></b> may include:	<ul style="list-style-type: none"> <li>• Those established by:               <ul style="list-style-type: none"> <li>• organisation</li> <li>• research group</li> <li>• divisions</li> </ul> </li> <li>• Or may be specified by the client</li> </ul>
<b><i>Resources</i></b> may include:	<ul style="list-style-type: none"> <li>• Budgets</li> <li>• Materials</li> <li>• Personnel</li> <li>• Time</li> </ul>
<b><i>A clear and comprehensive format</i></b> may include:	<ul style="list-style-type: none"> <li>• Development of new procedures for future activities</li> <li>• Recommendations that can be easily understood</li> <li>• Solutions to problems that were faced during the trial</li> </ul>

## Unit Sector(s)

Not applicable.