



Australian Government

Department of Education, Employment and Workplace Relations

PUADEFEO602C Plan explosive ordnance trials

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit Descriptor

This unit covers the competency required to plan trials in the 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

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This competency normally applies to the individual who is required to prepare, plan and monitor/amend 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 planning are not involved with the implementation of the plan.

In other instances an individual may be involved with both the planning phase and the implementation phase of the trials.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Pre-requisite Unit/s Nil

Employability Skills Information

Employability Skills 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 Required Skills and Knowledge and/or the Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

Elements and Performance Criteria

ELEMENT

PERFORMANCE CRITERIA

1. Develop trials approach

- 1.1 ***Trial*** requirements are identified, analysed and details are confirmed if necessary by follow-up consultation
- 1.2 Trial ***methodologies and procedures*** are identified, analysed and selected in accordance with procedures
- 1.3 Trial evaluation procedures are identified, analysed and selected in accordance with procedures
- 1.4 Task requirements are identified, analysed and selected in accordance with procedures

ELEMENT**PERFORMANCE CRITERIA****2. Plan for trials**

- 2.1 Information on **resource** requirements and availability are obtained or confirmed in accordance with procedures
- 2.2 **Information support systems** for the trial, including achievable reporting and recording processes are planned in accordance with the identified requirements
- 2.3 Coordination issues are negotiated and resolved with others
- 2.4 Occupational health and safety (OH&S) principles and requirements are identified and observed throughout the trial process and are incorporated in the plan
- 2.5 Trial plan including appropriate resource requirements and documentation is produced and forwarded to relevant parties in accordance with the identified requirements

3. Monitor trials

- 3.1 Trial plan is monitored and amended based on changing circumstances in accordance with requirements and procedures
- 3.2 Liaison is effected with those conducting the trial in accordance with requirements and procedures

4. Analyse and report on trials results

- 4.1 Data generated by the trial is collected and reported in accordance with the agreed methodology
- 4.2 Options and recommendations resulting from the trial are provided in ***a clear and comprehensive format***
- 4.3 Post trial reports, statistical reports and other records are produced and maintained in accordance with requirements

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required Skills

- allocate resources
- apply organisational OH&S requirements
- apply organisational safety policies and structures
- assess risks
- communicate clearly and effectively
- conduct planning
- coordinate activities
- evaluate information
- write reports

Required Knowledge

- evaluation processes
- organisational OH&S requirements
- organisational safety policies and structures
- planning processes
- reporting procedures
- resource allocation procedures
- resource requirements
- risk assessment
- trialling methodologies

Evidence Guide

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:

- identify and select trial methodologies and procedures and trial evaluation procedures where these are not provided
- plan the trial
- analyse trial outcomes.

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.

EVIDENCE GUIDE

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

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.

Trials may include	Environmental testing Organisational trials Proof testing Research group or divisional trials Specific field testing which is not a normal component of laboratory testing
Methodologies and procedures may include	Those established by: • organisation • research group • divisions Or may be specified by the client
Resources may include	Budgets Materials Personnel Time
Information support systems may include	Computerised systems Manual systems
A clear and comprehensive format may include	Development of new procedures for future activities Recommendations that can be easily understood Solutions to problems that were faced in the planning

Unit Sector(s)

Not applicable.