



Australian Government

DEFEXO122 Plan explosive trials

Release: 2

DEFEXO122 Plan explosive trials

Modification History

Release 2. Modifications made to Foundation Skills and Assessment Conditions.

Release 1. This unit was released in DEF Defence Training Package release 1.0 and meets the Standards for Training Packages.

This unit supersedes and is equivalent to DEFEO602C Plan explosive ordnance trials.

- Unit code updated
- Content and formatting updated to comply with the new standards
- All PC transitioned from passive to active voice
- Unit title changed to better reflect unit outcomes
- PC 2.4 removed

Application

This unit describes the skills required to plan trials in the explosive research environment. Explosive trials are normally conducted to select new weapons systems or explosives. Trials are a common component of explosive research and involve a number of personnel both in their planning and implementation.

This unit applies to personnel who are required to prepare, plan and monitor/amend trials in the explosive research environment.

The skills and knowledge described in this unit must be applied within the legislative, regulatory and policy environment in which they are carried out. Organisational policies and procedures must be consulted and adhered to.

Those undertaking this unit would work independently using discretion and judgement and taking responsibility for the quality of their outputs. They would perform complex tasks in a range of contexts.

No licensing, legislative or certification requirements apply to unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

Explosive Ordnance

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

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|--|---|
| 1 Develop approach to trials | 1.1 Identify and analyse trial requirements and confirm details by follow up consultation

1.2 Identify, analyse and select trial methodologies

1.3 Identify, analyse and select trial evaluation procedures

1.4 Identify, analyse and select task requirements |
| 2 Plan for trials | 2.1 Obtain or confirm information on resource requirements and availability

2.2 Plan information support systems for the trial in accordance with the identified requirements, including achievable reporting and recording processes

2.3 Negotiate and resolve coordination issues

2.4 Produce trial plan including appropriate resource requirements and documentation and forward to relevant parties |
| 3 Monitor trials | 3.1 Monitor trial plan and amend based on changing circumstances

3.2 Liaise with those conducting the trial |
| 4 Analyse and report on trial results | 4.1 Collect and report data generated by the trial in accordance with the agreed methodology

4.2 Provide options and recommendations resulting from the trial in a clear and comprehensive format

4.3 Produce and maintain post-trial reports, statistical reports and other records in accordance with requirements |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit supersedes and is equivalent to DEFEO602C Plan explosive ordnance trials.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6bdbab1e-11ed-4bc9-9cba-9e1a55d4e4a9>

Assessment Requirements for DEFEXO122 Plan explosive trials

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and includes:

- allocating resources
- analysing trial outcomes
- assessing risks
- communicating clearly and effectively
- coordinating activities
- evaluating information
- identifying and selecting trial methodologies and procedures and trial evaluation procedures where these are not provided
- planning the trial
- writing reports

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and includes:

- operational knowledge of:
 - disposal procedures
 - evaluation processes
 - explosives use in trials
 - initiation systems
 - planning processes
 - reporting procedures

- resource allocation procedures
- risk assessment
- trialling methodologies

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations
- acceptable means of simulation assessment
- applicable documentation, including workplace procedures, regulations, codes of practice and operation manuals
- relevant materials, tools, equipment and PPE currently used in industry.

Links

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