



Australian Government

DEFEXO604 Conduct explosive ordnance test and evaluation processes

Release: 1

DEFEXO604 Conduct explosive ordnance test and evaluation processes

Modification History

Release 1. This is the first release of this unit of competency in the DEF Defence Training Package.

Application

This unit describes the skills and knowledge required to conduct explosive ordnance test and evaluation processes.

It includes identifying test requirements, determining test and evaluation methodology, developing and finalising test and evaluation plans, determining post-trial report structure, drafting reports, and preparing and distributing a final report.

This unit applies to Defence explosive ordnance test and evaluation supervisors, managers and team leaders but is applicable to any individuals who work in this field.

This unit must be applied within the legislative, regulatory and policy environment in which the work is undertaken. Organisational policies and procedures must be consulted and adhered to.

Those undertaking this unit would work independently or as part of a team under direct and indirect supervision, use discretion and judgement and take responsibility for the quality of their output. They would perform complex tasks in a range of contexts.

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

Pre-requisite Unit

Not applicable

Competency Field

Explosive Ordnance

Unit Sector

Not applicable

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

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

1. Apply knowledge of explosive ordnance testing and evaluation processes

1.1 Analyse and review different testing and evaluation types within the explosive ordnance environment

1.2 Explain the tests conducted on or with explosive ordnance

1.3 Explain the relevant legislative or certification requirements that apply to the test and evaluation of explosive ordnance

1.4 Explain how to categorise explosive substances and/or articles

2. Develop explosive ordnance test and evaluation plans

2.1 Identify explosive ordnance test and evaluation requirements and complete resources scoping activities

2.2 Define aims, objectives, capability baseline and impacts in test plan and timeframes

2.3 Consult relevant specialists to determine test conditions, environmental constraints, evidence requirements, potential risks, and monitoring of key performance indicators

2.4 Clarify and agree skills, roles and responsibilities of team members and stakeholders, and identify reporting requirements

2.5 Determine preferred test and evaluation options that best fit organisational requirements

2.6 Develop explosive ordnance customer test and evaluation plan

2.7 Seek and obtain relevant approvals in accordance with legislative or certification requirements

3. Prepare to implement explosive ordnance test and evaluation plan

3.1 Identify requirements for data management, analysis, tools, and storage

3.2 Define test safety requirements

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| | 3.3 | Promulgate and maintain test and evaluation plans and test plan approvals |
| 4. Conduct explosive ordnance test and evaluation processes | 4.1 | Conduct explosive ordnance test and evaluation in accordance with approved plan |
| | 4.2 | Monitor explosive ordnance test and evaluation plan and amend as required based on changing circumstances |
| | 4.3 | Record test outcomes and observations in accordance with original test scope and parameters |
| 5. Prepare and distribute explosive ordnance test and evaluation report | 5.1 | Collate, interpret, and summarise data and information to prepare content that satisfies report purposes and objectives in accordance with original test scope and parameters |
| | 5.2 | Draft and receive feedback on draft report in accordance with organisational policies and procedures |
| | 5.3 | Prepare and distribute final report in accordance with organisational policies and procedures |
| | 5.4 | Maintain records in accordance with organisational policies and procedures |

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

No equivalent unit of competency.

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 DEFEXO604 Conduct explosive ordnance test and evaluation processes

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Performance Evidence

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

- analysing and evaluating test evidence
- applying relevant legislation, organisational policy and procedures that may impact on explosive ordnance test and evaluation processes
- applying risk management techniques
- collecting and recording test data
- negotiating timelines, roles and responsibilities with stakeholders and team members
- producing an explosive ordnance test and evaluation report
- seeking and obtaining approval
- using planning techniques related to explosive ordnance test and evaluation, which may be complex in terms of scope; degree of risk; applicable environmental, political, cultural, and social factors; consequences of failure; and degree of control
- using organisational tools suited to the reporting of testing processes.

Knowledge Evidence

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

- approval processes
- legislation, organisational policy and procedures that determine explosive ordnance test and evaluation processes
- management tools suited to implementing explosive ordnance test and evaluation processes
- principles relating to the implementation, conduct and reporting phases of explosive ordnance test and evaluation processes
- recordkeeping requirements
- relevant personal protective equipment (PPE)
- requirements for scheduling explosive ordnance test and evaluation activities
- resource plans
- team and stakeholder engagement
- test and evaluation implementation methods, which may be complex in terms of scope; degree of risk; applicable environmental, political, cultural, and social factors; consequences

- of failure; and degree of control
- test management arrangements
- test preparations and preconditions of test conduct.

Assessment Conditions

Assessors must satisfy relevant vocational education and training legislation, frameworks and/or standards.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate 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 activities, case studies and/or simulations
- acceptable means of simulated workplace assessment
- applicable documentation, including legislation, regulations, codes of practice, workplace procedures and operation manuals
- relevant materials, tools, equipment, and PPE currently used in industry.

Links

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