



Australian Government

DEFEXO088 Conduct explosive capability analysis

Release: 2

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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 DEFEO005 Conduct explosive ordnance capability analysis.

- 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 1.1 and 1.2 merged
- Element 1 reworded

Application

This unit describes the skills required to undertake a technical analysis to identify the explosive capability to satisfy a requirement. The capability analysis is a process that is undertaken because of requirements identified by the customer. It involves the requirement to analyse the operational outcomes, identify the target characteristics and detail the design specifications for explosive to satisfy the explosive capability required.

This unit applies to those required to analyse an explosive capability requirement then match the requirement to known explosives or identify the capability required.

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 make high level, fully independent judgements, applying a detailed knowledge of explosives, analysing complex data and producing specific documents detailing the outcomes of highly specialised technical functions. They would perform sophisticated tasks in highly specialised operational 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.

1 Prepare for analysis

PERFORMANCE CRITERIA

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

1.1 Identify and apply safety and security requirements

1.2 Identify and confirm target characteristics

1.3 Identify and confirm required explosive effects

1.4 Seek specialist advice when issues are beyond own capability

2 Analyse the data

2.1 Identify the purpose of the analysis

2.2 Assemble relevant data to undertake the analysis

2.3 Conduct research to fill information gaps as required

2.4 Conduct analysis of data

2.5 Draw conclusions in accordance with analysis purposes

3 Develop explosive design solutions

3.1 Develop explosive design requirements in accordance with required effects

3.2 Consider comparisons between requirements and known explosive characteristics

3.3 Develop options and determine and document impacts, risks and costs

3.4 Consult with stakeholders to ensure design meets requirements

4 Produce requirement documents

4.1 Prepare design solutions

- 4.2 Present explosive design solutions and explain recommendations to required stakeholders
- 4.3 Finalise and distribute design solutions

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 DEFEO005 Conduct explosive ordnance capability analysis

Links

Companion Volume implementation guides are found in VETNet -

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