



Australian Government

DEFEXO083 Apply explosive ordnance design principles

Release: 2

DEFEXO083 Apply explosive ordnance design principles

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 DEFEO709D Apply explosive ordnance design principles.

- Unit code updated
- Content and formatting updated to comply with the new standards
- All PC transitioned from passive to active voice
- All Elements and PC rewritten with operational outcome of the unit maintained

Application

This unit describes the skills required to apply design principles of explosive ordnance in the conduct of various explosive ordnance operations and processes, such as demolition operations, improvised explosive device disposal operations, trials, technical investigations, platform integration, configuration, maintenance and interoperability.

This unit applies to those required to apply design principles of explosive ordnance in the conduct of various explosive ordnance operations and processes.

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 and/or as part of a team, under indirect supervision, performing sophisticated tasks in a broad 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.

1 Research and analyse design principles

2 Apply design criteria

PERFORMANCE CRITERIA

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

- 1.1 Identify and acquire references relevant to the design principles of explosive ordnance, components and associated weapons systems
- 1.2 Analyse design principle requirements within research material to develop weapons systems design criteria
- 1.3 Determine performance characteristics from the analysis of the design criteria and technical data
- 2.1 Determine explosives, explosive components and associated non-explosive components to achieve weapons design solutions
- 2.2 Design and prove a weapon solution
- 2.3 Complete documentation associated with the tasks

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 DEFEO709D Apply explosive ordnance design principles.

Links

Companion Volume implementation guides are found in VETNet -

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