



Australian Government

DEFEXO082 Apply a knowledge of explosives

Release: 2

DEFEXO082 Apply a knowledge of explosives

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 DEFEO211D Apply a knowledge of explosive ordnance.

- Unit code updated
- Content and formatting updated to comply with the new standards
- All PC transitioned from passive to active voice
- PC 2.1 removed
- PC 1.3 and 2.2 reworded
- PC 2.3 & 2.4 merged
- Element 2 reworded

Application

This unit describes the skills required to analyse and apply knowledge of explosives to support a variety of applications including acquisitions, audits, inspections, policy implementation, technical manual development, platform integration, configuration, staff processes, transport, disposal, trials and inter-operability.

This unit applies to those required to analyse and apply knowledge of explosives. The candidate would often hold technical skills that would need to be contextualised to the explosive 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 and as part of a team, under direct and/or indirect supervision, use discretion and judgement, and take responsibility for the quality of their output. They would perform complex 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 Access and analyse explosives information

PERFORMANCE CRITERIA

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

1.1 Identify and analyse relevant explosives safety, legislative, statutory, regulatory and organisational requirements

1.2 Determine the relevance and application to the organisation

1.3 Identify and analyse explosives relevant to specific work process

2 Apply explosives knowledge to work practice

2.1 Plan processes in accordance with explosives safety, legislative, statutory, regulatory and organisational requirements

2.2 Assess, review and record effectiveness of work process, and adjust as required

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 DEFEO211D Apply a knowledge of explosive ordnance.

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 DEFEXO082 Apply a knowledge of explosives

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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:

- adhering to relevant WHS requirements and operational safety
- analysing information
- developing work plans that incorporate explosives knowledge
- developing workplace documentation including reports
- solving problems

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:

basic knowledge of:

- design principles of explosives
- explosives audit and inspections requirements
- inter-operability of explosives
- organisational role relevant to explosives
- specific properties of explosives including:
 - chemical properties

- material and structural properties
- physical properties
- weapon system and platform integration

Operational knowledge of:

- application of explosives
- effects of explosives
- explosives maintenance procedures
- explosives storage, handling and transportation requirements
- general properties of explosives
- safety, legislative and statutory requirements relevant to explosives

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