



Australian Government

DEFEXO005 Package explosives

Release: 3

DEFEXO005 Package explosives

Modification History

Release 3. Assessment Conditions clarified in relation to simulation being an assessment option.

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 DEFEO301D Package ammunition.

- Unit code updated
- Content and formatting updated to comply with the new standards
- All PC transitioned from passive to active voice.
- PC 1.2, 2.5 and 2.6 removed

Application

This unit describes the skills required to package explosives and explosive components for transportation and storage where packaging includes painting, stencilling, marking, sealing, strapping, vacuum evacuation and labelling. This includes calculating net explosive quantity, applying compatibility constraints, marking the packaging with internationally recognised coding and maintaining a range of documentation.

This unit applies to those required to prepare, package and finalise documentation for explosives and explosive components for the purpose of transportation and storage.

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 specific 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.

PERFORMANCE CRITERIA

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

- | | |
|--|---|
| 1 Prepare for packaging | 1.1 Identify packaging requirements from work requests and instructions |
| | 1.2 Identify, acquire and prepare technical references, tools, equipment, consumables and packaging components |
| | 1.3 Identify, calculate, analyse and apply net explosive quantities and compatibility |
| | 1.4 Monitor and maintain environmental conditions |
| 2 Pack explosives | 2.1 Identify explosives or explosive components and prepare them for packaging |
| | 2.2 Package explosives or explosive components in accordance with technical instructions, technical drawings and organisational procedures |
| | 2.3 Interpret emergency procedures and apply contingency plans |
| | 2.4 Prepare and mark packaging |
| 3 Finalise packaging procedures | 3.1 Inspect equipment/tools for serviceability |
| | 3.2 Maintain documentation and records |

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 DEFEO301D Package ammunition.

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 DEFEXO005 Package explosives

Modification History

Release 3. Assessment Conditions clarified in relation to simulation being an assessment option.

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 DEFEO301D Package ammunition.

- Unit code updated
- Content and formatting updated to comply with the new standards
- All PC transitioned from passive to active voice.
- PC 1.2, 2.5 and 2.6 removed

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 include:

- applying colour coding, markings, stencilling and labels
- applying compatibility/environmental constraints
- applying moisture absorption/sealing procedures
- applying operational safety
- calculating weight, volume and dimensions
- identifying explosives and packaging materials
- using relevant tools and equipment.

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 include:

- basic knowledge of
 - effects of environmental conditions
 - heat and/or vacuum sealing/moisture absorption/packaging procedures
- operational knowledge of
 - colour coding, markings, stencilling and labelling requirements
 - documentation requirements
 - explosives to be packaged
 - operation and limitations of packaging tools and equipment
 - operational safety

- unit load construction
- weight volume and dimension calculations
- work condition class.

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 and 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

Companion Volume implementation guides are found in VETNet -

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