



Australian Government

DEFEXO089 Assess specific explosives as being safe and suitable for transport

Release: 2

DEFEXO089 Assess specific explosives as being safe and suitable for transport

Modification History

Release 2. Modification 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 DEFEO007 Assess specific explosive ordnance as being safe and suitable for transport.

- 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 4.1 removed
- Element 1 reworded
- Element 1 all PC reworded and reordered
- Elements 2 and 3 merged and all PC reworded and reordered

Application

This unit describes the skills required to assess specific explosive as being safe and suitable for transport. The assessment is a process that is normally undertaken with explosives which are damaged, misfired or of an unknown origin and are required to be transported rather than destroyed or otherwise disposed of. It involves the necessity to identify the transportation requirements, assess the explosive to determine its suitability for transportation and to document the assessment process and outcomes.

This unit applies to those required to assess explosives as being safe and suitable for transport.

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 assessment

2 Assess the explosive

3 Produce requirement documents

PERFORMANCE CRITERIA

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

1.1 Identify and confirm explosives to be transported

1.2 Identify and apply safety and security requirements

2.1 Inspect the explosives

2.2 Conduct research to fill information gaps

2.3 Determine the condition of the explosives

2.4 Conduct a transportation risk assessment

2.5 Conduct checks and inspections to ensure actions to eliminate or mitigate the hazards are completed

2.6 Select and confirm transportation requirements

3.1 Produce a report on the transportation of specific explosives

3.2 Distribute report and communicate decisions

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 DEFEO007 Assess specific explosive ordnance as being safe and suitable for transport.

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 DEFEXO089 Assess specific explosives as being safe and suitable for transport

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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:

- analysing data
- applying explosive design principles
- applying operational safety
- identifying and confirming explosive characteristics
- interpreting and applying technical instructions

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:

- in-depth knowledge of:
 - characteristics and limitations of explosive
 - explosive chemistry/physics
 - theory of explosive design

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.

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