



Australian Government

DEFEXO001 Work safely with explosive ordnance

Release: 3

DEFEXO001 Work safely with explosive ordnance

Modification History

Release 3. Assessment Conditions clarified in relation to Class 1 dangerous goods.

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 DEFEO101D Work safely with explosive ordnance.

- Unit code updated
- Content and formatting updated to comply with the new standards
- All PC transitioned from passive to active voice
- Element 2 and 5 merged
- PC 1.2 and 3.2 removed

Application

This unit describes the skills required to achieve a safe work environment when working with explosives.

This unit applies to those working in any installation or organisation involved in the storage, distribution, maintenance and use of explosives; this includes but is not limited to research and development establishments, and proof and experimental establishments.

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 routine tasks in a 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

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

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

1 Access and apply safety procedures

- 1.1** Access and apply safety procedures and instructions
- 1.2** Identify, act upon and/or report breaches in site safety
- 1.3** Select load handling and shifting method in accordance with identified requirements for particular goods
- 1.4** Check handling equipment for conformity with workplace requirements and manufacturer's guidelines
- 1.5** Check suitable signage for compliance with workplace procedures

2 Apply personal safety measures

- 2.1** Select, fit and don personal protective equipment
- 2.2** Establish and maintain safety of immediate working area and equipment
- 2.3** Obtain relevant authorisation before specialised and hazardous work is carried out
- 2.4** Identify and report incidents and injuries

3 Apply dangerous goods and hazardous substances requirements

- 3.1** Recognise individual responsibilities regarding dangerous goods and hazardous substances
- 3.2** Identify and recognise dangerous goods and hazardous substances' labels and characteristics
- 3.3** Report to supervisor where dangerous goods or hazardous materials do not appear to be appropriately marked
- 3.4** Store dangerous goods and hazardous substances in accordance with the relevant compatibility, separation

- constraints and security requirements
- 3.5 Handle dangerous goods and hazardous substances
- 4 **Apply net explosive quantity and compatibility**
 - 4.1 Identify licensing limitations
 - 4.2 Apply net explosive quantity
 - 4.3 Apply compatibility

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 DEFEO101D Work safely with 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 DEFEXO001 Work safely with explosive ordnance

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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 include:

- identifying markings and colour coding of explosives and associated packaging
- identifying UN classification system.

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
 - hazard and incident identification and reporting techniques
 - hazardous materials requirements
 - manual handling procedures
 - organisational safety policies
 - organisational safety information sources
 - personal protection measures
 - safety and advisory signs.

Assessment Conditions

Assessment needs to be conducted on at least Class 1 dangerous goods or with 'inert training

aids' where Class 1 Dangerous Goods are not available.

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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