



Australian Government

DEFEXO113 Remove explosive ordnance from damaged aircraft

Release: 2

DEFEXO113 Remove explosive ordnance from damaged aircraft

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 DEFEO721A Remove explosive ordnance from damaged aircraft.

- 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 2.6 removed

Application

This unit describes the skills required to remove explosive ordnance from damaged aircraft. These removal operations can be conducted under a variety of conditions, including wartime, peacekeeping, in support of the civilian community/authority, as part of a joint services and/or coalition operation and also in training. The damaged aircraft can be friendly, enemy or of unknown origin.

This unit applies to those required to remove explosive ordnance from damaged aircraft.

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 supervise others, using discretion and judgement and taking responsibility for the quality of their outputs. They would perform complex tasks in a range of contexts that could be unpredictable.

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 removal operations

1.1 Collect, store and check for presence and serviceability equipment, tools and stores required for removal operations

1.2 Brief personnel required to participate on their duties and advise of their responsibilities

1.3 Establish and maintain liaison with other agencies

1.4 Conduct planning prior to arrival at scene

2 Conduct render-safe procedures/disposal and removal of explosive ordnance

2.1 Locate and identify explosive ordnance and associated components

2.2 Identify and prepare equipment, tools and stores required to remove, dispose of/render explosive ordnance safe

2.3 Advise controlling authority of safety and evacuation requirements

2.4 Determine and plan method of conducting removal, disposal/render-safe procedure

2.5 Operate equipment in accordance with current instructions

2.6 Inspect explosive ordnance and immediate area and declare safe or plan alternate disposal operation

3 Finalise activities

3.1 Recover, refurbish and secure equipment

3.2 Conduct post explosive ordnance removal clearance

3.3 Complete and process explosive ordnance removal reports

- 3.4** Provide technical evidence to investigations, inquiries and courts 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 DEFEO721A Remove explosive ordnance from damaged aircraft.

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 DEFEXO113 Remove explosive ordnance from damaged aircraft

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 DEFEO721A Remove explosive ordnance from damaged aircraft.

- 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 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 includes:

- applying consequent mitigation principles
- applying safety template requirements
- applying time management
- calculating and applying time and safety distance
- identifying aircraft types
- identifying explosive ordnance types
- maintaining documentation
- operating specialist explosive ordnance disposal vehicle
- reading, accessing, interpreting and applying technical instructions
- locating and identifying explosive ordnance to be removed
- gathering and securing evidence
- applying manual handling and team lifting techniques
- using PPE
- handling dangerous good and hazardous substances safely

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:

- operational knowledge of:

- aircraft systems
- blast/fragmentation/thermal effects and mitigation
- characteristics, technical capabilities and explosive ordnance loads of damaged aircraft
- characteristics, technical capabilities, effects and limitations of explosive ordnance to be removed, disposed of/rendered safe
- characteristics, technical capabilities, effects and limitations of tools and equipment
- documentation requirements
- equipment handling requirements
- initiation procedures
- net explosive quantity estimations
- operational safety
- relevant testing procedures
- removal procedures
- render-safe/disposal methods
- safety distance calculation procedures
- site preparation and refurbishment requirements
- theory of explosive ordnance 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.

Links

Companion Volume implementation guides are found in VETNet -

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

