



Australian Government

DEFEXO022 Fuze and defuze explosive ordnance

Release: 3

DEFEXO022 Fuze and defuze explosive ordnance

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 DEFEO506D Fuze and defuze explosive ordnance.

- Unit code updated
- Content and formatting updated to comply with the new standards
- All PC transitioned from passive to active voice
- PC 1.2 and 4.1 removed

Application

This unit describes the skills required to remove and replace fuzes in explosive ordnance. Removing and replacing fuzes may be required during arming and de-arming operations, for inspection, testing, maintenance, prior to issue and on return from issue.

This unit applies to those required to remove and replace fuzes in explosive ordnance.

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 fuzing/defuzing operations | 1.1 Identify requirement for fuzing or defuzing of explosive ordnance from work requests/instructions |
| | 1.2 Identify, acquire and prepare technical references, tools and equipment required for the fuzing or defuzing |
| | 1.3 Acquire, prepare, move and position explosive ordnance to be fuzed or defuzed in preparation for the task |
| | 1.4 Identify, calculate, assess and apply net explosive quantities and compatibility throughout the operation |
| | 1.5 Monitor and maintain environmental conditions |
| 2 Defuze explosive ordnance | 2.1 Remove fuze from the ammunition/explosive ordnance |
| | 2.2 Remove fuzing components and inspect the fuze cavity |
| | 2.3 Apply emergency and contingency procedures |
| 3 Fuze explosive ordnance | 3.1 Inspect and gauge fuze cavity |
| | 3.2 Fuze explosive ordnance |
| 4 Finalise the fuzing/defuzing operation | 4.1 Ensure serviceability of equipment/tools |
| | 4.2 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 DEFEO506D Fuze and defuze 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 DEFEXO022 Fuze and defuze 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:

- applying environmental constraints
- applying technical instructions and drawings related to fuzes
- calculating net explosive quantity
- conducting housekeeping
- using tools and equipment
- working safely within an explosive ordnance environment.

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:

- operational knowledge of
 - assessment of compatibility
 - calculation of net explosive quantity
 - characteristics and limitations of fuzes
 - effects of environmental conditions
 - fuzing and defuzing procedures
 - operations, characteristics and limitations of fuzing and defuzing tools and equipment
 - organisational documentation requirements
 - organisational safety information sources

- organisational safety policies and structures.

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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