



Australian Government

DEFEXO023 Assemble and disassemble explosive components

Release: 3

DEFEXO023 Assemble and disassemble explosive components

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 DEFEO507D Assemble and disassemble explosive components.

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

Application

This unit describes the skills required to assemble and disassemble various components of explosive ordnance. Assembly and disassembly of explosive components may be required during arming and de-arming operations, for inerting, inspection, testing and maintenance, prior to issue and on return from issue.

This unit applies to those required to assemble and disassemble various components of 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 assembly or disassembly	1.1	Identify requirement for assembly or disassembly of explosive components from work requests/instructions and confirm
	1.2	Identify, acquire and prepare technical references, tools and equipment required for the assembly or disassembly
	1.3	Acquire, prepare, move and position components to be assembled or disassembled 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 Disassemble components	2.1	Disassemble explosive components
	2.2	Process components in accordance with the requirements specified in the work request
	2.3	Interpret emergency procedures and apply contingency plans
3 Assemble components	3.1	Inspect, confirm and assemble individual componentry
	3.2	Package and/or prepare assembly in accordance with the requirements specified in the work request
4 Finalise the 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 DEFEO507D Assemble and disassemble explosive components.

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 DEFEXO023 Assemble and disassemble explosive components

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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 manual handling and team lifting techniques
- applying technical instructions and drawings related to explosive components
- conducting housekeeping
- handling dangerous good and hazardous substances safely
- using PPE
- 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
 - assembly and disassembly procedures
 - assessment of compatibility
 - calculation of net explosive quantity

- characteristics and limitations of explosive components
- effects of environmental conditions
- operations, characteristics and limitations of assembling and disassembling 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.

Links

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