



Australian Government

DEFEXO510 Maintain small arms ammunition

Release: 2

DEFEXO510 Maintain small arms ammunition

Modification History

Release 2. Modifications made to Assessment Conditions.

Release 1. This is the first release of this unit of competency in the DEF Defence Training Package.

Application

This unit specifies the skills and knowledge required to maintain small arms ammunition to depot level maintenance requirements as specified by the Australian Defence Force.

It includes preparing for and maintaining small arms ammunition, and completing maintenance activity. It also includes identifying and selecting tools and equipment, and applying organisational safety requirements and appropriate legislative and regulatory requirements.

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.

No licensing, legislative or certification requirements apply to this 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 small arms

PERFORMANCE CRITERIA

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

1.1 Identify, analyse and confirm small arms ammunition

ammunition maintenance		maintenance requirements from work requests/instructions	
	1.2	Apply work health and safety (WHS) requirements in accordance with organisational procedures throughout the operation	
	1.3	Identify, confirm and obtain small arms ammunition to be maintained, in accordance with technical documentation	
	1.4	Identify, obtain and prepare technical references, tools, equipment, consumables and packaging components in accordance with organisational procedures	
	1.5	Identify, calculate, assess and apply net explosive quantities and compatibility throughout the operation	
	1.6	Monitor and maintain environmental conditions, as required	
2	Maintain small arms ammunition	2.1	Inspect small arms ammunition in accordance with organisational procedures
		2.2	Conduct relevant maintenance in accordance with organisational procedures, technical specifications and drawings
		2.3	Apply emergency and contingency procedures, as required
		2.4	Conduct and record relevant small arms ammunition tests in accordance with organisational procedures, technical specifications and drawings
3	Complete maintenance activity	3.1	Process small arms ammunition in accordance with the work requests/instructions
		3.2	Maintain equipment/tools in accordance with organisational procedures and guidelines
		3.3	Conduct housekeeping procedures in accordance with workshop requirements
		3.4	Maintain documentation and records in accordance with statutory, organisational and workshop requirements

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 replaces and is equivalent to DEFEO510C Maintain small arms ammunition.

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 DEFEXO510 Maintain small arms ammunition

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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 relevant operational policies and procedures
- applying relevant work health and safety requirements
- applying safety, legislative and statutory requirements relevant to the risk assessment
- assessing and applying compatibility to identify and calculate net explosive quantities
- calculating net explosive quantity
- completing maintenance activity
- conducting relevant small arms ammunition tests
- identifying, selecting and using appropriate tools and equipment
- maintaining documentation
- preparing for and maintaining small arms ammunition.

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 knowledge of:

- assessment of compatibility
- effects of environmental conditions
- net explosive quantity calculations
- operational maintenance procedures
- operations, characteristics and limitations of small arms ammunition to be maintained
- operations, characteristics and limitations of tools and equipment used in maintenance
- relevant documentation requirements
- relevant operational policies and procedures, including work health and safety
- small arms ammunition maintenance including:
 - cleaning
 - components change out
 - fuzing and defuzing

- painting
- small arms ammunition testing procedures
- storage, distribution or maintenance of explosive ordnance
- technical references including:
 - relevant orders and instructions.
 - relevant publications
 - technical drawings
 - technical reference pamphlets

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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