



Australian Government

DEFMIL042 Operate and maintain armoured vehicle weapon systems

Release: 1

DEFMIL042 Operate and maintain armoured vehicle weapon systems

Modification History

Release	Comments
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 DEFCA105 Operate and maintain armoured vehicle weapon systems • Unit code updated • Content and formatting updated to comply with the new standards • All PC transitioned from passive to active voice • PC 1.3 removed

Application

This unit describes the skills required to operate armoured vehicle direct fire weapon systems to effectively produce fire. Direct fire weapon systems are integral to, and operated in conjunction with, armoured vehicles. Direct fire is primarily used during conventional operations to establish fire supremacy in order to destroy the enemy's will to operate. It can also be applied in accordance with the Rules of Engagement during security operations.

This unit applies to those working as combat arms soldiers working within an operational zone in Defence.

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 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 outputs. They would perform specific tasks in a broad range of unpredictable contexts.

No licensing, legislative or certification requirements apply to unit at the time of publication.

Competency Field

Military Skills

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions section.
1. Prepare weapon systems for operations	1.1 Prepare armoured vehicle direct fire weapon systems for the conduct of operations. 1.2 Identify in-service ammunition.
2. Operate armoured vehicle weapon systems	2.1 Operate equipment to support weapon functions. 2.2 Conduct weapon drills. 2.3 Identify, acquire and engage targets in accordance with fire control orders. 2.4 Apply effective fire.
3. Maintain armoured vehicle weapon systems	3.1 Clean weapon systems. 3.2 Maintain weapon systems. 3.3 Complete documentation.

Foundation Skills

The foundation skills demands of this unit have been mapped for alignment with the Australian Core Skills Framework (ACSF). The following tables outline the performance levels indicated for successful attainment of the unit.

ACSF levels indicative of performance:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Learning NA					Reading					Writing					Oral communication					Numeracy NA				

Performance variables:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Support					Context					Text complexity					Task complexity				

Further information on ACSF and the foundation skills underpinning this unit can be found in the Foundation Skills Guide on the GSA website.

Unit Mapping Information

This unit supersedes and is equivalent to DEFCA105 Operate and maintain armoured vehicle weapon systems.

Links

Companion Volume implementation guides are found in VETNet -

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

Companion Volume implementation guides are found in VETNet -

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Assessment Requirements for DEFMIL042 Operate and maintain armoured vehicle weapon systems

Modification History

Release	Comments
1	These Assessment Requirements were released in DEF Defence Training Package release 1.0 and meet the Standards for Training Packages. Assessment Requirements created drawing upon specified assessment information from superseded unit

Performance Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

- applying operational safety
- applying relevant WHS requirements
- carrying out weapon drills
- conducting equipment maintenance
- identifying regional armoured fighting vehicles and aircraft
- responding to fire control orders
- selecting and preparing ammunition
- using communication systems
- using equipment/instruments
- reacting instinctively to fire orders
- working as an effective member of the crew
- operating the system without a breach of safety procedures

Knowledge Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the depth of knowledge demonstrated must be appropriate to the job context of the candidate.

- armoured fighting vehicle weapons drills and procedures
- characteristics, technical capabilities, effects, employment and limitations of relevant ammunition
- characteristics, technical capabilities, effects, employment and limitations of relevant armoured fighting vehicle weapon systems

- characteristics, technical capabilities, effects, employment and limitations of relevant equipment
- fire control orders and fire discipline
- WHS requirements
- regional armoured fighting vehicles and aircraft recognition reporting requirements and procedures associated with the operation of equipment
- safety precautions associated with the equipment

Assessment Conditions

Competency should be assessed in an actual workplace or in a simulated environment, with access to equipment and infrastructure appropriate to the outcome. Competency should be demonstrated over time to ensure the candidate is assessed across a variety of situations.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

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