



Australian Government

DEFCA106 Supervise an armoured vehicle and crew

Release: 1

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Modification History

Release	TP version	Comments
1	DEF12 V2	First release. Equivalent to superseded unit DEFCA103B Supervise an armoured fighting vehicle and crew. Title Change. Unit Descriptor updated. Application added. Language revised from armoured fighting vehicle to armoured vehicle. Repetitive PC statements removed. Minor Range Statement changes. Evidence Guide updated. Pre-requisite removed.

Unit Descriptor

This unit covers the competency required to command, lead and manage an armoured vehicle and its crew on operations.

Command is the authority a commander in the military service lawfully exercises over subordinates by virtue of rank or assignment.

This unit also includes the skills and knowledge required to command, lead and manage under extreme conditions in a high risk environment. It therefore requires supervisors to be incisive in a fluid and demanding environment, to act independently, and to lead by example.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication. In a Defence context, this means that there is no civilian need to hold this unit in order to meet licensing, legislative, regulatory or certification requirements.

Application of the Unit

This unit was developed for combat arms soldiers working within an operational zone in Defence. Typically supervisors must demonstrate the ability to work as individuals and as part of an armoured vehicle crew under direct and/or indirect supervision, use discretion and judgement, and take responsibility for the quality of their outputs.

All activities are carried out in accordance with relevant organisational policies and procedures.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a Unit of Competency.

Performance Criteria describe the required performance needed to demonstrate achievement of the element. Where ***bold italicised*** text is used, further information is detailed in the Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<p>1. Prepare the armoured vehicle for operation</p>	<p>1.1 Crew competence is assessed and maintained.</p> <p>1.2 Crew are prepared.</p> <p>1.3 Crew personnel administration is managed.</p> <p>1.4 Requirement to supervise the crew of an <i>armoured vehicle</i>, its <i>weapons</i>, and <i>ancillary equipment</i>, is received from <i>orders</i>, and is understood and accepted.</p> <p>1.5 Vehicle is checked for <i>serviceability</i> and <i>prepared for operations</i>.</p> <p>1.6 <i>Constraints</i> and <i>risks</i> relevant to the task are determined and managed.</p> <p>1.7 Identification, handling and preparation of in-service <i>ammunition</i> is supervised.</p> <p>1.8 <i>Resources required</i> for the performance of the task are determined.</p> <p>1.9 Identified problems/shortfalls are reported to supervisor.</p> <p>1.10 <i>Deployment</i> of the armoured fighting vehicle into areas of operations is supervised.</p>
<p>2. Supervise and command the operation of the armoured vehicle</p>	<p>2.1 Individual decision making process is conducted.</p> <p>2.2 Orders are prepared and delivered to crew.</p> <p>2.3 <i>Battle procedure</i> is coordinated and conducted.</p> <p>2.4 Liaison is conducted in accordance with operational requirements.</p> <p>2.5 Armoured vehicle is employed in accordance with tasks as directed.</p> <p>2.6 When required, the vehicle is <i>driven</i> at a basic level in accordance with standing orders for vehicle</p>

	<p>operations.</p> <p>2.7 Crew <i>tasks</i> are supervised.</p> <p>2.8 Work health and safety (WHS) requirements and recognised safety precautions including those contained in Australian Defence Force procedures, are applied appropriately to the operational environment and context throughout the operation.</p> <p>2.9 Vehicle <i>tactical operating techniques</i> are applied.</p> <p>2.10 Operation of the <i>vehicle communications systems</i> is supervised.</p> <p>2.11 Minor incidents are dealt with.</p> <p>2.12 Major incidents beyond the supervisor's level of authority or competence to deal with are reported to managers and action is taken as directed.</p>
3. Supervise the completion of armoured vehicle tasks	<p>3.1 Documentation including reports and returns are completed and maintained.</p> <p>3.2 <i>Maintenance</i> is supervised and conducted.</p> <p>3.3 <i>Debriefing</i> is conducted as appropriate.</p>

Required Skills and Knowledge

This describes the essential skills and knowledge and their level, required for this unit.

Required Skills

- allocate appropriate materials and personnel to the task
- direct, brief, coordinate and monitor personnel
- interpret orders, instructions and directions
- operate armoured fighting vehicle weapon systems and ancillary equipment
- provide reports and appropriate documentation

Required Knowledge

- armoured tactics and standing operating procedures
- characteristics, technical capabilities, effects, employment and limitations of relevant:
 - ammunition
 - communications equipment
 - drive trains and sub systems
 - specialist equipment
 - weapons
- command and control procedures

- WHS requirements
- procedures and requirements in the performance of the task
- reporting requirements and procedures
- resource allocation processes
- safety precautions associated with the task
- vehicle documentation and record compilation

Evidence Guide

Critical aspects for assessment and evidence required to demonstrate competency in this unit

Assessment must confirm the ability to apply the authority and responsibility for effective supervision using available resources and for planning the employment of, organising, directing, coordinating and controlling the crew in the accomplishment of assigned tasks; to work within own authority and commander's intent; to display leadership; to supervise and command within an operational environment.

Consistency in performance

Competency should be demonstrated over time and across a range of simulated or actual workplace situations.

Context of and specific resources for assessment

Context of assessment

Competency should be assessed in the workplace or in a simulated workplace environment.

Specific resources for assessment

Access to a simulated or actual operational environment, an armoured vehicle, its crew, weapons, equipment and ammunition.

Range Statement

The Range Statement relates to the Unit of Competency as a whole. It allows for different work environments and situations that may affect performance. ***Bold italicised*** wording in the Performance Criteria is detailed below.

Armoured vehicle may include:

- all current in-service equipment:
 - main battle tank family of vehicles
 - light wheeled armoured family of vehicles

	<ul style="list-style-type: none"> • light tracked armoured family of vehicles
Armoured weapons may include:	<ul style="list-style-type: none"> • MBT FOV Weapon Systems e.g. 120mm • ASLAV FOV Weapon Systems e.g. 25mm • APC FOV Weapon Systems e.g. 12.7mm, 7.62mm
Ancillary equipment may include:	<ul style="list-style-type: none"> • binoculars • generators • global positioning system • night fighting equipment • surveillance equipment
Orders may include:	<ul style="list-style-type: none"> • warning orders • quick orders • deliberate orders • fire orders • and may be: <ul style="list-style-type: none"> • formal or informal • written, verbal or transmitted electronically
Serviceability checks may include:	<ul style="list-style-type: none"> • ancillary equipment • basic maintenance and fault finding • communication checks • functionality of key operating components • vehicle servicing • weapon systems operation
Vehicle preparation may include:	<ul style="list-style-type: none"> • battle preparation • camouflage • equipment stowage • preparation for air transportation • preparation for land transportation • preparation for sea transportation • preparation for water operations
Operations may include:	<ul style="list-style-type: none"> • defensive • offensive • operations other than war • security
Constraints may include:	<ul style="list-style-type: none"> • crew safety • environmental conditions • experience • health • morale • operational tempo and conditions • resources

	<ul style="list-style-type: none"> • terrain • time • training short falls • troops to task • welfare
Risk is:	<ul style="list-style-type: none"> • the potential for injury or loss • the potential for a hazardous event or hostile action to occur • a combination of consequence, exposure and probability/likelihood of a specified hazardous event or hostile action
Ammunition may include:	<ul style="list-style-type: none"> • all current in-service ammunition: <ul style="list-style-type: none"> • 5.56 mm • 7.62 mm • 9 mm • 12.7 mm • 25 mm • 40 mm • 66 mm • 76 mm grenades • 84 mm • 120 mm • fl grenade • and can be identified by: <ul style="list-style-type: none"> • colour • hazard band • labelling • lot/batch numbers • markings • nomenclature • packaging • type
Resources required may include:	<ul style="list-style-type: none"> • ammunition • any allocated support • materials • terrain • time • vehicle • weapons
Deployment may include:	<ul style="list-style-type: none"> • movement into the area of operations by air, land or

	<ul style="list-style-type: none"> • sea
<i>Battle procedure</i> may include:	<ul style="list-style-type: none"> • concurrent activity • early warning • efficient use of time • military appreciation process • rehearsals • warning orders
<i>Tasks</i> may include:	<ul style="list-style-type: none"> • implementing orders and directions • deploying the vehicle, using: <ul style="list-style-type: none"> • navigation • site and selection of vehicle position • battlecraft • fieldcraft • application of fire through: <ul style="list-style-type: none"> • weapon handling • selection of weapon system • selection of engagement technique • selection of ammunition • terminal effects • maintaining communications • operating armoured ancillary equipment
<i>Tactical operating techniques</i> may include:	<ul style="list-style-type: none"> • adoption of fire positions • individual vehicle craft • methods of movement • surveillance and counter surveillance techniques
<i>Vehicle communication systems</i> may include:	<ul style="list-style-type: none"> • associated communication accessories • battlefield command support system • cypher equipment • HF installation • remote and line equipment • UHF installation • VHF installation • vehicle intercommunication system
<i>Equipment maintenance</i> may include:	<ul style="list-style-type: none"> • ancillary equipment • maintenance of the armoured fighting vehicle and its sub systems • non-technical inspection • servicing
<i>Debriefing</i> may include:	<ul style="list-style-type: none"> • formal • informal

	<ul style="list-style-type: none">• written, personal or transmitted electronically
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Unit Sector(s)

Not applicable.