



Australian Government

DEFMIL088 Coordinate area and route search, and clearance of explosive ordnance

Release: 1

DEFMIL088 Coordinate area and route search, and clearance of explosive ordnance

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 DEFCA327 Coordinate area and route search, and clearance of explosive ordnance. • Unit code updated • Content and formatting updated to comply with the new standards • All PC transitioned from passive to active voice • PC 1.9 removed

Application

This unit describes the skills required to plan and direct obstacle. Obstacle reduction is the creation of a safe path through an obstacle which may be widened to the boundaries/extremities for the complete removal of the obstacle, and can be accomplished by the use of explosive or non-explosive methods, including the tasking of purpose designed clearance vehicles and plant equipment.

This unit applies to combat engineer personnel who are required to plan and direct high risk search tasks as part of an obstacle reduction to provide an unhindered and safe path in a deployed operational environment.

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 lead a team under indirect supervision. They use discretion and judgement, and take responsibility for the quality of their outputs, while performing complex tasks in a broad range of highly 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. Plan area and route clearance	1.1 Interpret and confirm requirements with higher authority as necessary. 1.2 Identify resource availability and serviceability and determine constraints. 1.3 Conduct reconnaissance. 1.4 Develop clearance plan in accordance with design, resources, risks and environmental considerations. 1.5 Refer problems that cannot be resolved locally to higher authority. 1.6 Confirm and monitor competence of team members. 1.7 Brief clearance team. 1.8 Liaise with outside agencies as required.
2. Supervise area and route clearance	2.1 Direct and supervise clearance team in accordance with the clearance plan. 2.2 Recognise and respond to unexpected situations that require a quick and decisive response. 2.3 Check safety signage, lane marking and fencing. 2.4 Record information throughout operation and report to outside agencies as necessary. 2.5 Organise and direct support from outside agencies. 2.6 Provide technical advice to the chain of command or support agencies.
3. Finalise the task	3.1 Notify higher authority that clearance is complete. 3.2 Conduct post activity analysis and make recommendations. 3.3 Recondition, replace or return equipment and stores. 3.4 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					Reading					Writing					Oral communication					Numeracy				

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 DEFCA327 Coordinate area and route search, and clearance of explosive ordnance.

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 -

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

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for DEFMIL088 Coordinate area and route search, and clearance of explosive ordnance

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.

- compiling minefield records
- analysing the threat – tactics, techniques and procedures
- collecting and reporting information for intelligence
- destroying malfunctioned explosive ordnance
- employing chemical detectors
- employing clearance methods
- employing hazard marking
- employing RRAMNS
- employing Rules of Evidence
- employing Rules of Engagement
- enforcing explosive safety distances
- laying, arming, neutralising and disarming mines and booby traps
- navigating with compass and GPS
- planning road and route repair
- calculating blast effects
- using electronic metal detector
- coordinating clearance of at least a 50 metre route, containing obstacles of explosive ordnance that as a minimum includes mines and booby traps

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.

- blast effects
- breaching techniques
- characteristics, technical capabilities, effects, employment and limitations of electronic metal detectors, chemical detectors
- characteristics, technical capabilities, effects, employment and limitations of mines, booby traps and battlefield ordnance
- clearance methods
- destruction of malfunctioned explosive ordnance
- explosive safety distances
- GPS
- intelligence collection and reporting
- navigation techniques
- obstacle effects and obstacle construction
- recording requirements including minefield records
- relevant WHS regulations/requirements, equipment, material and personal safety requirements
- road and route repair techniques
- supervision requirements of explosive users/workers

Assessment Conditions

Competency should be assessed over time in simulated work environment that replicates the operational threat environment. The context of assessment is simulated due to the nature of this high risk environment. Specifically, access is required to the following resources:

- cranes
- earth moving equipment
- electronic metal detectors
- explosives and ancillary equipment
- hand held prod
- personal protective equipment
- rapid route and area mine neutralisation system
- remote positioning devices
- signage
- suitable site clearance team
- communications equipment

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

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 -

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