



Australian Government

DEFMIL067 Maintain radar systems at field operator level

Release: 1

DEFMIL067 Maintain radar systems at field operator level

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 DEFCA208B Maintain radar systems at field operator level. • Unit code updated • Content and formatting updated to comply with the new standards • All PC transitioned from passive to active voice

Application

This unit describes the skills required to inspect, test and troubleshoot faults with radar systems and components in an environment away from a maintenance facility.

This unit applies to combat arms personnel who are required to inspect, test and troubleshoot faults with radar systems and components 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 typically work under indirect supervision. They use discretion and judgement, and take responsibility for the quality of their outputs. They would perform routine tasks in familiar 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	Performance criteria describe the performance needed to demonstrate

essential outcomes	achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions section.
1. Inspect radar systems and components	1.1 Identify specific inspection requirements using relevant maintenance documentation and modification status, including system defect reports where relevant. 1.2 Visually or physically check primary radar system components for external signs of defects. 1.3 Identify and note/report defects.
2. Test/adjust radar systems and components	2.1 Prepare radar system for the application of power/system operation. 2.2 Functionally test radar system for evidence of serviceability or malfunction. 2.3 Perform system calibration or adjustments.
3. Troubleshoot primary radar system faults	3.1 Draw conclusions about the nature and cause of the fault from available evidence and take appropriate action. 3.2 Use available information from maintenance documentation, inspection and test results to assist in fault determination. 3.3 Use maintenance manual fault diagnosis guides and logic processes. 3.4 Identify faults beyond authority to repair and document for higher level repair by an outside agency. 3.5 Locate, identify cause of and record primary radar system faults in maintenance documentation. 3.6 Identify, select and obtain spare parts, consumables and other equipment. 3.7 Rectify fault in accordance with maintenance documentation. 3.8 Complete documentation and records.

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 NA					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 DEFCA208B Maintain radar systems at field operator level.

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 DEFMIL067 Maintain radar systems at field operator level

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 analytical skills
- performing radar drills and procedures
- referring problems on to appropriate outside agencies

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.

- characteristics, tabulated data and limitations of the radar equipment
- principles of radar theory

Assessment Conditions

Competency should be demonstrated over a range of radar maintenance scenarios that could be expected in the workplace. Competency should be assessed on operations or in a simulated operational environment. Specifically, access is required to the following resources:

- a radar
- ancillary equipment
- maintenance documentation

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

Links

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