



Australian Government

DEFSEN001 Operate a radar system

Release: 2

DEFSEN001 Operate a radar system

Modification History

Release 2. Modifications made to Assessment Conditions.

Release 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 DEFSO001C Operate a radar system.

- Unit code updated
- Content and formatting updated to comply with new standards
- All PC transitioned from passive to active voice
- PC 1.1 removed
- PC 1.4 revised
- PC 2.1 and 2.2 merged

Application

This unit describes the skills required to operate a radar system. It includes the requirement to configure the system, build and maintain the collection, and collate and analyse information to track existing contacts or identify new contacts. This activity could continue for a prolonged period, requiring the operator to hand over effectively to another operator.

This unit was developed for Sensor Operators working within Defence but is applicable to any individual in this field of work.

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 work as part of a team, under supervision, while performing routine tasks in a broad range of contexts and environments. They use discretion and judgement and take responsibility for the quality of their output.

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

Pre-requisite Unit

Not applicable.

Competency Field

Sensor Operations

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

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|---|--|
| 1 Configure radar system | 1.1 Confirm serviceability of radar system, recognise and report any fault |
| | 1.2 Optimise radar display for operator use |
| | 1.3 Optimise system in line with the environmental conditions |
| | 1.4 Establish internal and external communications |
| 2 Compile and maintain an electronic picture | 2.1 Identify and discriminate radar contacts by collecting, collating and analysing information |
| | 2.2 Use radar identification friend or foe (IFF) and other available sensors/sources to collect information |
| | 2.3 Report, display and disseminate contact details to stakeholders |
| | 2.4 Respond to threats |
| | 2.5 Report problems or issues beyond own capability to supervisor |
| 3 Finalise operations | 3.1 Cease radar system operation or transfer to new operator as directed by supervisor |
| | 3.2 Secure and stow system |
| | 3.3 Secure and stow documentation |
| | 3.4 Report to supervisor on completion |

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 supersedes and is equivalent to DEF50001C Operate a radar system.

Links

Companion Volume implementation guides are found in VETNet -

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