



Australian Government

Department of Education, Employment and Workplace Relations

PUADEFCA003B Operate a radar to locate targets

Revision Number: 1

PUADEFCA003B Operate a radar to locate targets

Modification History

Not applicable.

Unit Descriptor

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This unit covers the competency required to ***operate a radar*** in order to locate targets and to provide information as directed by the operational plan.

The operator will work as part of a team and will be under supervision.

Application of the Unit

Application of the Unit

The application of this unit in the workplace - the environments, complexities and situations involved - will be written during Phase II of the Review of the PUA00 Public Safety Training Package.

This text will be useful for the purposes of job descriptions, recruitment advice or job analysis; where possible, it will not be too job specific to allow other industries to import it into other Training Packages, where feasible.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite Unit/s

Nil

Employability Skills Information

Employability Skills

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 Required Skills and Knowledge and/or the Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

Elements and Performance Criteria

ELEMENT

PERFORMANCE CRITERIA

1. Set up radar

- 1.1 Radar is prepared for operation in accordance with ***standard procedures***
- 1.2 Radar is initialised and used in accordance with standard procedures and manufacturer's instructions
- 1.3 Operational performance and accuracy of the radar is confirmed and ***appropriate action*** is taken where performance is out of limits
- 1.4 Misrepresentations and false echoes are detected and discounted

2. Operate radar

- 2.1 Radar is operated in accordance with standard procedures to produce required data
- 2.2 Data produced by the radar is interpreted and used to assist command decisions, taking into account known ***limitations and errors*** associated with the equipment
- 2.3 Faults or difficulties within the operator's ability to correct are corrected
- 2.4 Any faults or difficulties beyond the operator's ability to correct are referred to supervisor and action is taken as directed
- 2.5 Data is provided to supervisor or user
- 2.6 Administration is completed in accordance with standard procedures
- 2.7 ***Operational maintenance*** is conducted as required

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required Skills

- apply relevant OH&S requirements
- apply operational safety
- conduct equipment maintenance
- fieldcraft skills including tactical movement and camouflage
- interpret and respond to orders
- observation, recording and reporting skills
- participate in weapon drills
- use communication systems
- use equipment/instruments

Required Knowledge

- characteristics and effects of hostile and friendly equipment and weapons
- nature of the threat environment
- radar equipment characteristics and limitations
- relevant OH&S constraints
- Rules of Engagement
- tactical techniques and procedures
- target recognition

Evidence Guide

EVIDENCE GUIDE

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EVIDENCE GUIDE

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

Assessment must confirm the ability to interpret directions from supervisors and to carry out each operator task.

Consistency in performance

Competency should be demonstrated on deployment of equipment in a range of different environments.

Context of and specific resources for assessment

Context of assessment

Competency should be assessed in an operational or simulated operational environment. The simulation should replicate the live environment where stress and fatigue are key features.

Specific resources for assessment

Access to appropriate radar equipment and an appropriate field site or a high fidelity simulator.

Guidance information for assessment

Information that will assist or guide assessment will be written during Phase II of the Review of the PUA00 Public Safety Training Package.

Range Statement

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.

Operating a radar may include

Classification
Identification
Location
Navigation

Standard procedures may include

Australian Standards
Defence Instructions
Doctrine pamphlets
Job guides, other publications
Manufacturers' handbooks, industry specifications and technical instructions
Occupational health and safety (OH&S) regulations
Organisational policies and procedures
Procedure manuals
Relevant local government by-laws
Relevant state/territory or federal legislation
Routine Orders
Standing Operating Procedures
Standing Orders
Written and verbal orders

Appropriate action may include

Correcting faults using basic fault finding skills
Re-entering data
Reporting to supervisor

Limitations and errors may include

Electronic line of sight
Elevation
Field of view
Range

Operational maintenance

Cleaning

RANGE STATEMENT**may include**

Diagnostic tests
Lubricating
Service ancillary equipment
Visual inspection

Unit Sector(s)

Not applicable.

Corequisite Unit/s**Co-requisite Unit/s**

Nil