



**Australian Government**

# **DEFCA002B Operate remote sensors to detect targets**

**Release: 2**

## DEFCA002B Operate remote sensors to detect targets

### Modification History

Release	TP Version	Comments
2	DEF12 V2	Layout adjusted. No changes to content.
1	DEF12 V1	Primary release.

### Unit Descriptor

This unit covers the competency required to install sensors as directed by the operational plan in order to detect targets and to provide information to a remote control facility. The operator will work as part of a team and will be under supervision.

### Application of the Unit

This competency was developed for combat arms personnel required to install sensors as directed by the operational plan in order to detect targets and to provide information to a remote control facility in a deployed operational environment but is applicable to any individual in this field of work.

Typically, operators work as part of a team 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
1. <b>Prepare for operation</b>	1.1 Purpose and requirement of the surveillance activity is received from written or verbal instructions issued by supervisor. 1.2 Specifications of the tasks are confirmed and where necessary clarified with supervisor. 1.3 <i>Surveillance equipment</i> required for the task is identified and selected. 1.4 Surveillance equipment is checked for serviceability in accordance with <i>standard procedures</i> .
2. <b>Prepare and maintain a location</b>	2.1 Designated position is occupied, reference points are established and information is documented. 2.2 Surveillance equipment is deployed in accordance with supervisor's directions and standard procedures. 2.3 <i>Optimal configuration</i> is confirmed with supervisor. 2.4 Equipment is tested to ensure functionality and is confirmed with the control facility. 2.5 Site is camouflaged. 2.6 Communications are maintained with stakeholders. 2.7 <i>Operational maintenance</i> is conducted as required.

## Required Skills and Knowledge

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

### Required Skills

- apply operational safety
- apply relevant WHS requirements
- 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
- relevant WHS constraints
- Rules of Engagement
- sensor equipment characteristics and limitations
- tactical techniques and procedures
- target recognition

## 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
- select the appropriate configuration and location of remote sensors
- physical install and maintain remote sensors
- maximise the desired coverage of hostile areas

### Consistency in performance

Competency should be demonstrated over time and across a range of simulated or actual workplace situations deploying equipment in a number of different environments.

### 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 appropriate surveillance equipment and an appropriate field site.

## 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.

<b><i>Surveillance equipment</i></b> may include:	<ul style="list-style-type: none"> <li>• camera</li> <li>• satellite communications equipment</li> <li>• thermal imaging equipment</li> <li>• unattended ground sensors</li> <li>• video equipment</li> </ul>
<b><i>Standard procedures</i></b> may include:	<ul style="list-style-type: none"> <li>• Australian Standards</li> <li>• doctrine</li> <li>• job guides, pamphlets and other publications</li> <li>• manufacturers' handbooks, industry specifications and technical instructions</li> <li>• work health and safety (WHS) regulations</li> <li>• organisational policies and procedures</li> <li>• relevant local government by-laws</li> </ul>

	<ul style="list-style-type: none"> <li>• relevant state/territory or federal legislation</li> <li>• verbal or written orders or job instructions</li> </ul>
<b><i>Optimal configuration</i></b> must include:	consideration of <ul style="list-style-type: none"> <li>• detection priorities</li> <li>• environmental conditions</li> <li>• ground</li> <li>• likely threat approaches and actions</li> <li>• type of targets anticipated</li> </ul>
<b><i>Operational maintenance</i></b> may include:	<ul style="list-style-type: none"> <li>• battery replacement</li> <li>• cleaning</li> <li>• inspecting</li> <li>• testing</li> </ul>

## Unit Sector(s)

Not applicable.