



Australian Government

DEFCO405C Conduct operator level maintenance in a Defence environment

Release: 2

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Modification History

Release	TP Version	Comments
2	DEF12V2	Layout adjusted. No changes to content.
1	DEF12V1	Primary release.

Unit Descriptor

This unit covers the competency required to conduct operator level maintenance on communications equipment within Defence communications workplaces.

The unit includes the identification and selection of tools and equipment, the application of organisational safety requirements within guidelines of responsibility and full adherence to work health and safety (WHS)/radiation hazard policy.

Application of the Unit

This unit was developed for communications and information systems operators working within Defence but is applicable to any individual in this field of work.

The conduct of operator level maintenance on communications equipment is a key component of the communications requirement within Defence and is a fundamental requirement for communications and information systems operators.

Typically operators work independently and 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 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. Carry out equipment checks	<p>1.1 WHS requirements and recognised safety precautions are applied throughout the activity.</p> <p>1.2 Tools appropriate to the task are selected.</p> <p>1.3 <i>Equipment</i> is checked in accordance with specified workplace instructions.</p> <p>1.4 Status of equipment is <i>recorded</i> according to prescribed guidelines.</p> <p>1.5 Deficiencies or abnormalities are <i>reported</i> to appropriate personnel.</p>
2. Perform operator level maintenance	<p>2.1 Equipment is inspected in accordance with Defence procedures.</p> <p>2.2 Preventative maintenance is performed in accordance with specific workplace instructions.</p> <p>2.3 Equipment is replaced/repared within the guidelines of <i>operator level maintenance</i>.</p> <p>2.4 Details of maintenance are recorded and reported to appropriate personnel.</p>

Required Skills and Knowledge

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

Required Skills

- encourage team members
- follow instructions/directives and report information
- identify faults
- report deficiencies or abnormalities
- use a variety of verbal and non-verbal communication techniques
- use active listening techniques
- use cleaning agents and chemicals safely
- use specific maintenance tools
- visually inspect equipment

Required Knowledge

- cleaning procedures of selected equipment
- composition of teams and roles and responsibilities of team members
- maintenance procedures of selected equipment

- WHS/radiation hazard policies
- parts and components of selected equipment

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for this Training Package.

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

Assessment must confirm the ability to:

- inspect equipment in accordance with operating procedures
- correctly perform pre operational checks
- clean and maintain equipment within guidelines of responsibility
- comply with WHS/radiation hazard policy
- perform pre/post deployment checks in accordance with specific operating procedures

Consistency in performance

Competency should be demonstrated over time to ensure the individual is assessed across a variety of situations within the workplace.

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 is required to:

- specific workplace operating procedures
- task specific tools and equipment
- maintenance guidelines
- communications publications
- equipment specific manuals

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.

<i>Equipment</i> may include:	<ul style="list-style-type: none"> • Ancillary equipment • Basic preventative maintenance tools and equipment • Communications equipment • Field specific equipment • Fire equipment • Lighting equipment • Salvage and rescue equipment • Visual signalling equipment
<i>Records and reports</i> may include:	<ul style="list-style-type: none"> • Daily system operability tests (DSOTs) check sheets • Departmental defect logs • Field unserviceability reports (EMEFIX) • Unserviceability reports
<i>Operator level maintenance</i> may include:	<ul style="list-style-type: none"> • Basic non-technical functions that do not exceed the communications operator's area of responsibility such as: <ul style="list-style-type: none"> • basic component replacement • routine cleaning • visual inspections • routine operability checks

Unit Sector(s)

Not applicable.