



**Australian Government**

# **DEFOH006B Develop radio frequency radiation safety plans**

**Release: 2**

## DEFOH006B Develop radio frequency radiation safety plans

### Modification History

Release	TP Version	Comments
2	DEF12V2	Removal of repetitive Performance Criteria Statement Application added Minor change to Unit Descriptor and Range Statement Changes to Evidence Guide
1	DEF12V1	Primary release.

### Unit Descriptor

This unit covers the competency required to measure and analyse radio frequency radiation, including micro-waves, and radar and radio transmissions, and to develop relevant safety plans and procedures.

The unit includes developing and drafting policy, procedures and plans/instructions for the management, amelioration and/or control of radio frequency radiation in the workplace.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication. In a Defence context, this means that there is no civilian need to hold this unit in order to meet licensing, legislative, regulatory or certification requirements.

### Application of the Unit

This unit was developed for Defence workers involved in developing radio frequency safety plans as a workplace responsibility, but is applicable to all individuals who work in this field. Typically, these individuals must demonstrate the ability to work independently or as part of a team under indirect supervision. They must be able to use discretion and judgement and take responsibility for the quality of their outputs.

All activities are carried out in accordance with relevant legislation, organisational policies and procedures, including relevant:

- Australian or international standards (particularly AS/NZS 1269.2:1998 Occupational Radio Frequency Management, Part 2: Radio Frequency control management)
- manufacturer's instructions
- state/territory/commonwealth legislation.
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### 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. <b>Prepare to develop radio frequency radiation safety plans</b>	<p>1.1 Radio frequency radiation sources are identified and confirmed.</p> <p>1.2 Standards and legislation appropriate to radio frequency radiation exposure levels are identified and accessed</p> <p>1.3 Existing <b>organisational records</b> relevant to radio frequency radiation are identified and accessed</p> <p>1.4 <b>Equipment and resources</b> required for the measurement of radio frequency radiation are identified, acquired and <b>prepared</b>.</p>
2. <b>Measure radio frequency radiation</b>	<p>2.1 Measuring equipment is deployed and readings are recorded.</p> <p>2.2 <b>Work health and safety (WHS) requirements</b> including those contained in organisational procedures, are applied throughout the operation</p>
3. <b>Analyse radio frequency radiation</b>	<p>3.1 Measurements are interpreted and confirmed in accordance with measuring protocols</p> <p>3.2 Radio frequency radiation is analysed/determined and findings are reported to appropriate authorities/superiors</p>
4. <b>Develop radio frequency radiation safety plans</b>	<p>4.1 Appropriate consultation with <b>stakeholders</b> is conducted.</p> <p>4.2 Technical standards, organisational environmental requirements and radio frequency radiation exposure levels are identified and interpreted</p> <p>4.3 <b>Radio frequency radiation safety plans</b> are developed and forwarded to the relevant authority.</p>

## Required Skills and Knowledge

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

### Required Skills

- analyse
- communicate
- operate radio frequency radiation measuring equipment
- plan
- negotiate

**Required Knowledge**

- environmental factors relevant to workplace radio frequency radiation
- WHS requirements for the organisation/industry and for supervisors/managers in the workplace
- radio frequency radiation control requirements
- radio frequency radiation exposure level standards/requirements
- radio frequency radiation measuring techniques and equipment
- reliability of measures
- relevant Australian and international standards
- relevant legislation
- relevant organisational policy and standards
- tolerances of error that may apply

## Evidence Guide

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

Assessment must confirm the ability to:

- measure and analyse radio frequency radiation
- develop radio frequency radiation safety plans that adhere to Australian and organisational standards and recognise stakeholders requirements
- apply knowledge of relevant work health and safety and radio frequency radiation legislative frameworks
- identify inspection tools and methods appropriate to the workplace
- apply principles and practices of work health and safety and radio frequency radiation safety
- identify intervention points for advice to assist in work and to guide problem solving

### Consistency in performance

Evidence for competency in this unit must be gathered over time and across a range of workplace or simulated situations.

### Context of and specific resources for assessment

#### Context of assessment

Competency should be assessed in the workplace or under conditions that accurately simulate a realistic workplace in accordance with all relevant legislation and organisation requirements.

Evidence should be gathered while observing the individual developing radio frequency radiation safety plans in an actual or simulated workplace. Documents evidence of all relevant research, interviews and findings should also be submitted as evidence for assessment.

#### Specific resources for assessment

Access to relevant research material, manufacturers' equipment specifications and existing related standards, policy and instructions.

## 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>Organisational records</i></b> may include:	<ul style="list-style-type: none"> <li>• Electronic records</li> <li>• Inventories</li> <li>• Journals</li> <li>• Registers</li> </ul>
<b><i>Equipment and resources</i></b> may include:	<ul style="list-style-type: none"> <li>• Gauges</li> <li>• Radio frequency radiation measuring instruments</li> <li>• Recording devices</li> </ul>
Equipment and resources are <b><i>prepared</i></b> may include:	<ul style="list-style-type: none"> <li>• Calibration of testing equipment</li> <li>• Testing equipment for safe operation (confidence testing)</li> <li>• Testing equipment for serviceability</li> </ul>
<b><i>Work health and safety requirements</i></b> may include:	<ul style="list-style-type: none"> <li>• Award provisions</li> <li>• State/territory/commonwealth and local government legislation and by-laws</li> </ul>
<b><i>Stakeholders</i></b> may include:	<ul style="list-style-type: none"> <li>• External agencies</li> <li>• Government/agency regulators/inspectors</li> <li>• Immediate supervisors</li> <li>• Internal agencies</li> <li>• WHS representatives</li> <li>• Other interested parties, including members of the public</li> <li>• Relevant personnel in the chain of command</li> <li>• Unit managers</li> </ul>
<b><i>Radio frequency radiation safety plans</i></b> may include:	<ul style="list-style-type: none"> <li>• Monitoring processes</li> <li>• protocol and local controls</li> <li>• recommendations for additional control measures</li> <li>• referral to other expertise</li> </ul>

## Unit Sector(s)

Not applicable.