



**Australian Government**

# **DEFOH007B Apply ionising radiation safety procedures**

**Release: 2**

## DEFOH007B Apply ionising radiation safety procedures

### 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 apply appropriate safety procedures or plans related to the control or mitigation of ionising radiation.

In the context of this unit, ionising radiation may include emissions from radioactive elements, controlled apparatus, sealed and unsealed sources.

The unit includes researching, consulting and applying procedures within an organisation that have been specifically developed for the organisation.

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 applying ionising radiation safety procedures 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.

### 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 for the application of workplace ionising radiation safety procedures/plans</b>	1.1 Source of ionising radiation is identified in accordance with organisational policy and procedures. 1.2 Existing <i>organisational records</i> relevant to the radiation are identified and accessed. 1.3 <i>Work health and safety (WHS) requirements</i> are applied throughout the operation. 1.4 Appropriate consultation with <i>stakeholders</i> is conducted.
2. <b>Apply ionising radiation safety procedures/plans</b>	2.1 Appropriate ionising radiation <i>protective measures</i> are employed. 2.2 Relevant notices/signs are displayed or published. 2.3 Ionising radiation sources are handled in accordance with legislation, standards and/or organisational policy, procedures and guidelines.
3. <b>Maintain workplace ionising radiation safety documentation</b>	3.1 Workplace ionising radiation records are maintained. 3.2 Equipment/instrument deployment and maintenance records/documentation are maintained.

## Required Skills and Knowledge

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

### Required Skills

- access, read, interpret and apply information on ionising radiation

### Required Knowledge

- WHS requirements for workplace supervisors
- relevant Australian or international standards
- relevant organisational policy and standards

## Evidence Guide

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

Assessment must confirm the ability to:

- prepare for the application of workplace ionising radiation safety procedures/plans
- apply ionising radiation safety procedures/plans
- maintain workplace ionising radiation safety documentation
- apply knowledge of relevant work health and safety and ionising radiation safety legislative frameworks
- identify inspection tools and methods appropriate to the workplace
- apply principles and practices of work health and safety and ionising radiation safety in the workplace
- identify intervention points for advice to assist in work and to guide problem solving

### Consistency in performance

Competency should be demonstrated over a range environments and workplace ionising sources. This may be in the workplace or in a simulated workplace environment.

### 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 applying ionising radiation safety procedures in an actual or simulated workplace. A record 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>• Journals</li> <li>• Inventories</li> <li>• Registers</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</li> </ul>
<b><i>Protective measures</i></b> may include:	<ul style="list-style-type: none"> <li>• Limitations on operation of specific equipment/machines</li> <li>• Personal protective equipment</li> <li>• Signage</li> </ul>

## Unit Sector(s)

Not applicable.