



Australian Government

Department of Education, Employment and Workplace Relations

PUADEF0H007B Apply ionising radiation safety procedures

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit Descriptor

This unit covers the competency required to apply appropriate *safety procedures or plans* related to the control or mitigation of *ionising radiation*.

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

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
<p>1. Prepare for the application of workplace ionising radiation safety procedures/plans</p>	<p>1.1 Source of ionising radiation is identified in accordance with <i>organisational policy and procedures</i></p> <p>1.2 Existing <i>organisational records</i> relevant to the radiation are identified and accessed</p> <p>1.3 <i>Occupational health and safety (OH&S) requirements</i> including those contained in organisational procedures, are applied throughout the operation</p> <p>1.4 Appropriate consultation with <i>stakeholders</i> is conducted in accordance with organisational policy and procedures</p>
<p>2. Apply ionising radiation safety procedures/plans</p>	<p>2.1 Appropriate ionising radiation <i>protective measures</i> are employed in accordance with legislation, standards and organisational policy, procedures and guidelines</p> <p>2.2 Relevant notices/signs are displayed or published in accordance with relevant legislation and/or organisational guidelines</p> <p>2.3 Ionising radiation sources are handled in accordance with legislation, standards and/or organisational policy, procedures and guidelines</p>
<p>3. Maintain workplace ionising radiation safety documentation</p>	<p>3.1 Workplace ionising radiation records are maintained in accordance with organisational policy, procedures and guidelines, and relevant legislation</p> <p>3.2 Equipment/instrument deployment and maintenance records/documentation are maintained in accordance with relevant manufacturers' manuals/guidelines and/or organisational policy and procedures</p>

Required Skills and Knowledge

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

- OH&S requirements for workplace supervisors
- relevant Australian or international standards
- relevant organisational policy and standards

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 observe and respond to changing circumstances and situations in the workplace; to review relevant workplace documentation; and to conduct quality assurance checks against previous recommendations.

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 in a simulated workplace environment.

Specific resources for assessment

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

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.

Safety procedures or plans may include	<ul style="list-style-type: none"> Barriers and/or guards Equipment, operating procedures and guidelines Limitations and/or controls on how and when equipment may be operated Organisational OH&S policies and procedures
Ionising radiation may include	<ul style="list-style-type: none"> X-rays, electrons, neutrons and gamma rays, beta particles and alpha particles emitted from radioactive elements And may include controlled apparatus such as dental, medical and industrial x-rays, sealed sources and unsealed sources
Organisational policy and procedures may include	<ul style="list-style-type: none"> Australian or international standards Equipment manufacturers' specifications Legislation Previous testing reports Risk assessments Standing Operating Procedures (SOPs)
Organisational records may include	<ul style="list-style-type: none"> Electronic records Journals Inventories Registers
Occupational health and safety requirements may include	<ul style="list-style-type: none"> Award provisions State territory/commonwealth and local government legislation and by-laws
Stakeholders may include	<ul style="list-style-type: none"> External agencies Government/agency regulators/inspectors Immediate supervisors

RANGE STATEMENT**Protective measures may include**

Internal agencies
OH&S representatives
Other interested parties
Limitations on operation of specific equipment/machines
Personal protective equipment
Signage

Unit Sector(s)

Not applicable.

Corequisite Unit/s

Co-requisite Unit/s Nil