



Australian Government

Department of Education, Employment and Workplace Relations

PUADEF0H003B Identify and monitor radiation hazards

Revision Number: 1

PUADEF0H003B Identify and monitor radiation hazards

Modification History

Not applicable.

Unit Descriptor

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This unit covers the competency required to effectively identify the sources of *radiation* that may be a hazard in the workplace and to monitor the hazard and *hazard controls* that have been recommended and/or implemented.

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 |
|--|--|
| 1. Identify workplace radiation hazards | <p>1.1 Source of radiation is identified in accordance with <i>relevant 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> |
| 2. Monitor radiation abatement plans or controls | <p>2.1 <i>Workplace walkthroughs and observations</i> are conducted in accordance with organisational guidelines, legislation and local radiation abatement/control plans</p> <p>2.2 Breaches of <i>protocols, plans and local controls</i> are recorded and reported in accordance with organisational policy, procedures, guidelines and legislation</p> <p>2.3 Monitoring equipment, where installed, is regularly inspected in accordance with organisational policy, procedures, guidelines and legislation</p> |
| 3. Maintain workplace radiation records/documentation | <p>3.1 Workplace radiation records are maintained in accordance with relevant organisational policy, procedures, guidelines, and relevant legislation</p> <p>3.2 Equipment/instrument deployment and maintenance records/documentation are maintained in accordance with relevant manufacturer 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 radiation
- identify radiation sources
- undertake risk assessment and control

Required Knowledge

- meaning of OH&S symbols, signs and labels in the workplace
- OH&S requirements relevant to radiation in the workplace
- OH&S requirements for the workplace, including ways in which OH&S is managed and designated personnel responsible for OH&S
- organisational policy and standards relevant to radiation
- relevant Australian and international 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 unusual situations in the workplace; to make a subjective and qualitative assessment during a walkthrough/survey; and to identify changes in workplace configurations.

Consistency in performance

Competency should be demonstrated identifying a range of radiation sources in the workplace or in a simulated 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 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.

| | |
|--|---|
| Radiation may include | <ul style="list-style-type: none"> Ionising radiation Noise Radio frequency radiation |
| Hazard controls may include | <ul style="list-style-type: none"> Barriers and/or guards Limitations and/or controls on how and when equipment may be operated Locally available information on radiation safety awareness Personal Protective Equipment (PPE) |
| Relevant organisational policy and procedures may include | <ul style="list-style-type: none"> Australian or international standards Equipment manufacturers' specifications Exposure standards Job safety analysis Legislation, including state/territory/commonwealth OH&S acts, regulations, codes of practice and guidance material relating to radiation hazards present in the workplace and industry Organisational policies and procedures Previous testing reports Risk assessments Standing Operating Procedures (SOPs) Task analysis |
| Organisational records may include | <ul style="list-style-type: none"> Inventories Electronic records Journals 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 |

RANGE STATEMENT**Stakeholders may include**

External agencies
 Government/agency regulators/inspectors
 Immediate supervisors
 Internal agencies
 OH&S representatives
 Other interested parties, including members of the public
 Relevant personnel in the chain of command
 Unit managers

Workplace walk throughs and observations may be

Ad hoc
 Formal
 Informal
 Scheduled
 Unscheduled

Protocols, plans and local controls may include

Those formally or informally established in the workplace to mitigate against radiation hazards

Unit Sector(s)

Not applicable.

Corequisite Unit/s**Co-requisite Unit/s**

Nil