



Australian Government

DEFOH003B Identify and monitor radiation hazards

Release 2

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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 effectively identify the sources of radiation, including noise, radio frequency, and ionising radiations, that may be a hazard in the workplace and to monitor the hazard and hazard controls that have been recommended and/or implemented.

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 identifying and monitoring radiation hazards 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
- Equipment manufacturers' specifications
- Exposure standards
- Job safety analysis
- Legislation, regulation, and codes of practice
- Previous testing reports
- Risk assessments

- Standing Operating Procedures (SOPs)
- Task analysis
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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. Identify workplace radiation hazards	1.1 Source of radiation is identified in accordance with relevant organisational policy and procedures. 1.2 Existing organisational records relevant to the radiation are identified and accessed. 1.3 Occupational Work health and safety (OH&SWHS) requirements, including those contained in organisational procedures, are applied throughout the operation. 1.4 Appropriate consultation with stakeholders is conducted, in accordance with organisational policy and procedures
2. Monitor radiation abatement plans or controls	2.1 Workplace walkthroughs and observations are conducted, in accordance with organisational guidelines, legislation and local radiation abatement/control plans 2.2 Breaches of formal and informal protocols, plans and local controls are recorded and reported, in accordance with organisational policy, procedures, guidelines and legislation 2.3 Monitoring equipment, where installed, is regularly inspected, in accordance with organisational policy, procedures, guidelines and legislation
3. Maintain workplace radiation records/ documentation	3.1 Workplace radiation records are maintained in accordance with relevant organisational policy, procedures, guidelines, and relevant legislation 3.2 Equipment/instrument deployment and maintenance records/documentation are maintained in accordance with relevant manufacturer manuals/guidelines and/or organisational policy and procedures.

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 WHS symbols, signs and labels in the workplace
- WHS requirements relevant to radiation in the workplace
- WHS requirements for the workplace, including ways in which WHS is managed and designated personnel responsible for WHS
- organisational policy and standards relevant to radiation
- relevant Australian and international standards

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
- make a subjective and qualitative assessment during a walkthrough/survey
- identify changes in workplace configurations
- apply knowledge of relevant work health and safety legislative framework
- identify inspection tools and methods appropriate to the workplace
- apply the principles and practices of work health and safety inspections
- 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 conducting actual or simulated workplace identification and monitoring of workplace radiation hazards. 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.	
Organisational records may include:	• inventories • electronic records • journals • registers
Work health and safety requirements may include:	• award provisions • state/territory/commonwealth and local government legislation and by-laws
Stakeholders may include:	• external agencies • government/agency regulators/inspectors • immediate supervisors • internal agencies • WHS representatives • other interested parties, including members of the public • relevant personnel in the chain of command • unit managers
Workplace walk throughs and observations may include:	• ad hoc • formal • informal • scheduled • unscheduled

Unit Sector(s)

Not applicable.