



Australian Government

DEFWHS001 Identify and monitor radiation hazards

Release: 2

DEFWHS001 Identify and monitor radiation hazards

Modification History

Release 2.0. This is the second release of this unit of competency in the DEF Defence Training Package Release 4.0. Modifications have been made to:

- Foundation Skills
- Range of Conditions
- Assessment Conditions.

Release 1.0. This unit was released in DEF Defence Training Package release 1.0 and meets the Standards for Training Packages.

This unit supersedes and is equivalent to DEFOH003B Identify and monitor radiation hazards.

- Unit code updated
- Content and formatting updated to comply with the new standards
- All PC transitioned from passive to active voice
- PC 1.3 reworded
- PC 2.1 and 3.1 revised
- Element 1 one new PC.

Application

This unit involves the skills and knowledge required to identify and monitor radiation hazards.

It includes effective identification of sources of radiation, non-ionising and ionising radiations, and implementing hazard controls.

This unit applies to Defence personnel involved in identifying and monitoring radiation hazards as part of a workplace responsibility but is applicable to all individuals who work in this field. Those undertaking this unit would 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. They would perform complex tasks in a range of familiar contexts.

Licensing conditions may be required for those working in this field.

Pre-requisite Unit

Not applicable.

Competency Field

Work Health and Safety

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Identify workplace radiation hazards

- 1.1** Identify source of radiation and/or equipment
- 1.2** Identify and access existing organisational records relevant to the radiation
- 1.3** Apply regulatory requirements, including those contained in organisational procedures, throughout the operation
- 1.4** Take immediate action to bring source of radiation under control
- 1.5** Conduct consultation with stakeholders

2 Monitor radiation abatement plans or controls

- 2.1** Monitor pre-existing controls and determine controls are adequate
- 2.2** Record and report breaches of protocols, plans and local controls
- 2.3** Inspect monitoring equipment regularly, where installed

3 Maintain workplace radiation records/documentation

- 3.1** Maintain radiation safety management plans
- 3.2** Maintain equipment/instrument deployment and maintenance records/documentation
- 3.3** Maintain inventory of radiation sources
- 3.4** Maintain records of radiation exposure

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit supersedes and is equivalent to DEFOH003B Identify and monitor radiation hazards.

Links

Companion Volume Implementation Guides are found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6bdbab1e-11ed-4bc9-9cba-9e1a55d4e4a9>

Assessment Requirements for DEFWHS001 Identify and monitor radiation hazards

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Release 1.0. These Assessment Requirements were released in DEF Defence Training Package release 1.0 and meet the Standards for Training Packages.

- Assessment Requirements created drawing upon specified assessment information from superseded unit.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and includes:

- accessing, reading, interpreting and applying radiation safety plan
- identifying radiation sources
- undertaking risk assessment and control
- observing and responding to changing circumstances and unusual situations in the workplace
- making a subjective and qualitative assessment during a walk through/survey
- identifying changes in workplace configurations
- applying knowledge of relevant WHS legislative framework
- identifying inspection tools and methods appropriate to the workplace
- applying the principles and practices of WHS inspections
- identifying intervention points for advice to assist in work and to guide problem solving.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- 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.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations
- acceptable means of simulation assessment
- applicable documentation, including workplace procedures, regulations, codes of practice and operation manuals
- relevant materials, tools, equipment and PPE currently used in industry.

Links

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<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6bdbab1e-11ed-4bc9-9cba-9e1a55d4e4a9>