



Australian Government

DEFWHS005 Apply ionising radiation safety procedures

Release: 2

DEFWHS005 Apply ionising radiation safety procedures

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 and 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 DEFOH007B Apply ionising radiation safety procedures.

- Unit code updated
- Content and formatting updated to comply with the new standards
- All PC transitioned from passive to active voice
- PC 1.3 removed.

Application

This unit involves the skills and knowledge required to apply ionising radiation safety procedures related to the control or mitigation of ionising radiation.

It includes researching, consulting and applying procedures within an organisation. In the context of this unit, ionising radiation may include emissions from radioactive material, apparatus containing radioactive material and x-ray apparatus.

This unit applies to those involved in applying ionising radiation safety procedures as 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.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

Work Health & Safety

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare for the application of workplace ionising radiation safety procedures/plans

PERFORMANCE CRITERIA

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

1.1 Identify source of ionising radiation

1.2 Identify and access existing organisational records relevant to the radiation

1.3 Conduct consultation with stakeholders

2 Apply ionising radiation safety procedures/plans

2.1 Apply ionising radiation protection control measures

2.2 Ensure notices/signs are displayed

2.3 Handle ionising radiation sources

3 Maintain workplace ionising radiation safety documentation

3.1 Maintain workplace ionising radiation records

3.2 Maintain equipment/instrument deployment and maintenance records/documentation

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 DEFOH007B Apply ionising radiation safety procedures.

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 DEFWHS005 Apply ionising radiation safety procedures

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 and Assessment Conditions.

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 information on ionising radiation
- applying knowledge of relevant WHS and ionising radiation safety legislative frameworks
- identifying inspection tools and methods appropriate to the workplace
- applying principles and practices of WHS and ionising radiation safety in the workplace
- 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:

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

Companion Volume Implementation Guides are found on VETNet -

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