



Australian Government

Assessment Requirements for PSPRAD012

Work safely in a radiation environment

Release: 1

Assessment Requirements for PSPRAD012 Work safely in a radiation environment

Modification History

Supersedes and is equivalent to PSPRAD001 Work safely in a radiation environment.

Performance Evidence

Evidence of the ability to complete tasks outlined in elements and performance criteria of this unit in the context of the job role, and on at least one occasion:

- follow required radiation protection and safety procedures
- follow radiation safety signs
- recognise dose limits
- use and care for PPE and personal monitoring equipment that has been issued for assigned work tasks
- respond correctly when encountering contaminated work surfaces and personnel.

Knowledge Evidence

Demonstrated knowledge required to complete the tasks outlined in elements and performance criteria of this unit:

- responsibilities of employers and employees under:
 - relevant Commonwealth guidelines
 - State or Territory legislation and local regulations and by-laws
 - duty of care obligations
- radioactive decay, radioactive material, ionising radiation, shielding, safe distance, contamination, contamination controls, decontamination
- types and properties of ionising radiation
- relevant occupational dose limits
- sources of hazardous radiation around the site and degree of risk of exposure or contamination
- internal and external exposure pathways and protective measures
- radiation health effects
- location of controlled or supervised areas within the site
- layers of protection:
 - avoiding exposure where practicable
 - isolating sources of radiation where practicable, through shielding, containment and remote handling techniques
 - engineering controls
 - adopting safe work practices, including work methods which make appropriate use of time, distance and shielding to minimise exposure

- using approved PPE where other means of controlling exposure are not practicable
- personal hygiene requirements, and effects and implications of risky behaviours
- safe working rules and safe operating procedures for equipment
- safety signs relevant to assigned tasks
- use and care of PPE and personal monitors for assigned tasks.

Assessment Conditions

Skills must be demonstrated in the workplace or in a simulated environment that reflects workplace conditions.

Simulated assessment environments must simulate the real-life working environment where the skills and knowledge within this unit would be utilised, with all the relevant equipment and resources of that working environment.

Assessment must ensure access to:

- Commonwealth codes of practice and standards
- local, State and Territory legislation and regulations
- supervision by a radiation safety professional (depending on radiation sources present)
- appropriate PPE and personal monitoring equipment
- organisation's radiation management plan or standard operating procedures.

Assessors must satisfy the Standards for Registered Training Organisations' requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=bebbece7-ff48-4d2c-8876-405679019623>