



**Australian Government**

# **Assessment Requirements for PSPRAD007 Monitor radiation**

**Release: 1**

# Assessment Requirements for PSPRAD007 Monitor radiation

## Modification History

Release	Comments
1	<p>These Assessment Requirements were released in PSP Public Sector Training Package release 1.0 and meet the Standards for Training Packages.</p> <ul style="list-style-type: none"> <li>Assessment Requirements created drawing upon specified assessment information from superseded unit</li> </ul>

## Performance Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

- recognising different types of monitoring equipment and their limitations, restrictions and applicability, including at least one of:
  - air proportional
  - gas proportional
  - gas ionisation
  - Geiger-Muller
  - Scintillation
  - neutron monitors
  - solid state
  - personal dosimeters (badge and electronic)
- using relevant information sources to locate and interpret information about radiation sources and equipment encountered in job role or duties
- conducting pre-use checks for radiation instruments and monitoring equipment used in job role or duties
- interpreting manuals for radiation monitoring equipment used in job role or duties
- collecting, labelling and preserving occupational and environmental processing and analysing radiation monitoring data
- assessing and reassessing risks and hazards regularly and taking appropriate protective measures
- safely operating radiation instruments and monitoring equipment to obtain reliable data
- seeking advice and further directions when faced with unforeseen circumstances or situations that may require decisions or response actions beyond technical competence
- using and caring for PPE

## Knowledge Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the depth of knowledge demonstrated must be appropriate to the job context of the candidate.

- ionising radiation, radioactivity, radioactive material, activity, dose, contamination, contamination controls, shielding, half-life, and radionuclide
- types and properties of ionising radiation, sources and shielding methods
- definitions of radiation quantities, including exposure, dose, effective dose, dose rate, dose equivalent, and dose limits
- international system (SI) of units for radiation quantities, multiples and sub-multiples
- function of key components and operating principles of radiation instruments and monitoring equipment used in job role
- guidelines and safety procedures for working with radiation sources, based on principles of:
  - reducing exposure time
  - maintaining greatest distance
  - using as much shielding as possible
- health, safety and workplace emergency response procedures relevant to job role or duties
- techniques and procedures for collecting potentially radioactive samples
- techniques for assessing radiation hazards likely to be encountered in job role or duties
- techniques for conducting monitoring surveys used in job role or duties

## Assessment Conditions

This unit contains no specific industry-mandated assessment conditions. Guidance on suggested and recommended conditions and methods can be found in the Implementation Guide.

Assessors must satisfy the NVR/AQTF mandatory competency 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>

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