Australian Government

Assessment Requirements for PSPRAD008 Coordinate radiation safety

Release: 1

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Modification History

Release	Comments
1	These Assessment Requirements were released in PSP Public Sector 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 • Assessment Requirements created drawing upon specified assessment information from superseded unit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 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.

- locating and interpreting information about radiation protection and safety legislation, standards, codes and guidelines
- assessing and reassessing risks and hazards and designing appropriate controls
- developing plans, organisational policy and procedures and safe work practices
- initiating audits and inspections of radiation protection and safety systems
- choosing and using appropriate available radiation source equipment and radiation instruments
- interpreting manuals for radiation sources/equipment and radiation instruments used in organisation
- designing, planning and conducting monitoring surveys under direction
- analysing radiation data, and verifying and reporting results
- seeking advice in situations that may require decisions or response actions beyond technical competence
- explaining radiation protection and safety issues, safe working rules and recommended procedures to other personnel

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, NORM, contamination, contamination controls, concentration, shielding, half-life, radionuclide, transport index, safe distance, and weighting factor
- 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
- exposure pathways and protective measures
- signs and symptoms of radiation exposure, radiation health effects, and deterministic and stochastic effects
- international system (SI) of units for radiation quantities
- operating principles and function of key components, and set-up and calibration checks for radiation instruments, dosimeters and equipment used in job role
- detailed requirements of relevant legislation, codes, guidelines and safety procedures for working with radiation sources/equipment used at the organisation's facilities or sites
- health and safety and workplace emergency response procedures for radiation-related work activities in organisation
- types of PPE for personnel working in ionising radiation environments and the recommended selection process
- potential adverse health and performance effects of wearing PPE while working in potentially hazardous environments
- principles and techniques for decontamination of personnel and equipment
- techniques and procedures for collecting potentially radioactive samples
- techniques for assessing radiation hazards likely to be encountered in organisation
- techniques for conducting contamination surveys
- techniques for control, containment and confinement of radiation sources/equipment encountered by organisation.
- working knowledge of the business activities and operations conducted at the organisation's sites and the associated radiation risks

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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