
Overview

This unit covers the competence required to complement the work of radiological protection professionals operating in the same area as the candidate. In support of this, candidates are responsible for monitoring and controlling their own radiation dose levels by using the dose measuring equipment and data provided for them.

This unit deals with the following:

- 1 Control personal radiation dose uptake

During this work you must take account of the relevant operational requirements and safe working practices AS THEY APPLY TO YOU.

Previous version:

Unit N404 Cogent National Occupational Standards – Nuclear Decommissioning – September 2008

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Control personal radiation dose uptake

Performance criteria

- You must be able to:*
- P1 work safely at all times, complying with health and safety and other relevant regulations and guidelines
 - P2 effectively use dose measuring equipment at all times in areas designated as requiring its use
 - P3 accurately interpret information on the radiological environment
 - P4 accurately follow storage, issue and return procedures for dose measuring equipment
 - P5 make regular and accurate comparisons of personal dose uptake in relation to scheduled limits
 - P6 keep time in areas of high dose rate and movement within active work areas to a minimum to ensure that allocated dose levels are not exceeded
 - P7 wear necessary personal protective equipment at all times in areas designated as requiring its use
 - P8 apply working methods, sequences and tools to minimise actual and potential dose and contamination
 - P9 use temporary shielding wherever possible and reasonably practical, taking due account of time constraints and costs
 - P10 seek information and advice promptly from relevant people in the event of difficulty
 - P11 respond immediately and safely to alarms in line with specified procedures

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Knowledge and understanding

You need to know and understand:

- K1 the key factors which need to be considered when using the different types of dose measuring equipment in each type of area
- K2 how to access and interpret information on the radiological environment
- K3 how to access storage, issue and return procedures for different types of dose measuring equipment
- K4 the main statutory and regulatory requirements which require samples to be provided, and what are the most likely sample types
- K5 how to make accurate calculations of personal dose uptake and identify scheduled limits
- K6 the likely alarms and how to access related specified procedures
- K7 reporting procedures and documentation
- K8 how to identify and access the sources of specialist advice
- K9 working area demarcation and control principles
- K10 the principles of risk minimisation and related techniques
- K11 dose measuring equipment/personal dose control
- K12 the limitations on time and movement in each type of area, and allocated dose levels
- K13 how to obtain appropriate personal protective equipment for different types of designated area, and how to use it correctly
- K14 the principal features of working methods, sequences and use of tools which minimise actual and potential dose and contamination
- K15 why it is important to use temporary shielding in some situations, and what are its main limitations
- K16 decontamination techniques

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Additional Information

Glossary

The following terms have a specific meaning in this unit:

Dose measuring equipment

Whole body external dose monitors

Internal dose monitors

Specific organ external dose monitors.

Dose types

Whole body external

Internal

Specific organ external

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Suite Ionising Radiation Measurement Instrumentation

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