

COGN218

Specify dosimetry for radiation-related work activities



Overview

The main outcome of this activity is the specification of dosimetry for specific work activities.

This activity includes obtaining information on the work activities being undertaken, including any risk assessments; identifying radiation risks and the radioactive materials that people are exposed to; using appropriate methods to work out the acceptable levels of exposure based on individuals' dose history; specifying limits to exposure; updating dosimetry information.

This activity is likely to be undertaken by someone whose work role is focused on radiation protection.

This unit deals with the following:

- 1 Specify dosimetry for radiation-related work activities

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

Previous Version:

Adapted from Unit N218 of Radiation Protection NOS – version February 2006.

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Performance criteria

- You must be able to:*
- P1 obtain information on the type of radiation-related work activities being undertaken
 - P2 take account of all relevant risk assessments relating to the radiation-related work activities
 - P3 identify the type of radiation risks associated with the radiation-related work activities
 - P4 identify the type of radioactive materials that people could be exposed to during the radiation-related work activities
 - P5 identify the potential exposure and obtain any relevant previous dose information for the people undertaking the radiation-related work activities
 - P6 use appropriate analysis methods to determine the type of dosimetry for the radiation-related work activities
 - P7 specify clearly the requirements relating to the limits on people undertaking the radiation-related work activities
 - P8 ensure that all relevant systems on dosimetry are updated with the new requirements
 - P9 review the dosimetry arrangements at an appropriate time
 - P10 comply with all relevant regulations and standards, and record all relevant actions and outcomes in the appropriate information systems

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Knowledge and understanding

You need to know and understand:

- K1 communication and presentation methods
- K2 dosimetry assessments
- K3 health and safety issues and requirements
- K4 nuclear industry: types of facilities, materials, and processes
- K5 organisational structures and procedures
- K6 radiation monitoring equipment
- K7 radiation protection issues
- K8 radiation protection systems
- K9 radiation: types, sources, and hazards
- K10 risk assessment and hazard identification methods
- K11 sources of authoritative information on radiation protection
- K12 statutory requirements, regulations, and standards, including international, national, and local

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