

COGN230

Test the functioning of radiation protection equipment



Overview

The main outcome of this activity is the functional testing of radiation protection equipment. The equipment will most likely be either fixed or portable monitoring equipment.

This activity includes obtaining information on the equipment; examining the equipment and following testing procedures; identifying any problems and confirming that it works correctly.

This activity is likely to be undertaken by someone whose work role is exercised in an environment where radiation protection is important.

This unit deals with the following:

- 1 Test the functioning of radiation protection equipment

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 N230 of Radiation Protection NOS – version February 2006.

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Performance criteria

- You must be able to:*
- P1 identify which radiation protection equipment and functions need to be tested
 - P2 obtain information on the established functional testing procedures and schedule for the radiation protection equipment
 - P3 functionally test the radiation protection equipment according to the established functional testing procedures
 - P4 determine whether the radiation protection equipment is working according to specified parameters
 - P5 identify any problems with the radiation protection equipment and take the appropriate action
 - P6 identify any potential improvements in the functional testing procedures or schedule that could be made
 - P7 seek advice to deal with any requirements beyond own technical competence
 - P8 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 health and safety issues and requirements
- K2 maintenance procedures for radiation protection equipment
- K3 nuclear industry: types of facilities, materials, and processes
- K4 organisational structures and procedures
- K5 radiation protection systems
- K6 radiation: types, sources, and hazards
- K7 sources of authoritative information on radiation protection
- K8 statutory requirements, regulations, and standards, including international, national, and local

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