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## Overview

The main outcome of this activity is the undertaking of work activities where there are potential hazards. This activity includes obtaining information on the work activities that are required; identifying radiation hazards that are involved in the work; using personal protective equipment and radiation protection systems; assisting colleagues; undertaking the work activities; identifying and reporting any problems. 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 Undertake radiation-related work activities

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

**Previous version:**

Unit N231 Cogent National Occupational Standards Radiation Protection (Cogent N231) – September 2008

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## Undertake radiation-related work activities

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### Performance criteria

*You must be able to:*

- P1 obtain clear information on the radiation-related work activity being undertaken
- P2 identify the radiation hazards that are involved in the radiation-related work activity
- P3 confirm the availability and functioning of the radiation protection systems that are used during the radiation-related work activity
- P4 identify and use suitable personal protective equipment and procedures for the radiation hazards encountered during the radiation-related work activity
- P5 assist colleagues to use the appropriate personal protective equipment and procedures
- P6 identify situations where safety requirements are not being complied with, and report them to an appropriate colleague
- P7 undertake the radiation-related work activities according to the specified requirements
- P8 clean up work areas and dispose of all waste after the completion of the radiation-related work activity according to organisational procedures
- P9 report any problems with the radiation protection systems to the appropriate people according to organisational procedures
- P10 identify any potential improvements in the way that the radiation-related work activity could be carried out
- P11 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 nuclear industry: types of facilities, materials, and processes
- K3 organisational structures and procedures
- K4 radiation protection systems
- K5 radiation: types, sources, and hazards
- K6 sources of authoritative information on radiation protection
- K7 statutory requirements, regulations, and standards, including international, national and local

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### Additional Information

#### Glossary

##### **Types of Equipment**

Manual, mechanised, electronic

##### **Types of Material**

Metal, wood, plastics, vinyl, polystyrene, composite boards etc.

##### **Types of Cutting Tools**

Blades, knives, bits

##### **Securing, Fixing and Fastening Methods**

Jigs, clamps, fixing materials

##### **Relevant Personnel**

Line manager, supervisor, team leader etc.

##### **Relevant Health and Safety and Environmental Requirements**

What your responsibilities are in respect of health and safety and environmental requirements and legislation, regulations, safe working practices, local, national and organisational/site specific procedures

##### **Template Material**

Rigid, flexible

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## Undertake radiation-related work activities

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**Relevant occupations** Professional Occupations; Engineering Professionals; Engineering and manufacturing technologies; Engineering

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**Suite** Ionising Radiation Measurement Instrumentation

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