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### Overview

The main outcome of this activity is the assessment of risks where there are potential radiation hazards. The risks to people and the environment within the workplace and beyond could derive from hazards relating to the activities, equipment, or materials in the workplace.

This activity includes obtaining information and evidence for the risk assessment; applying risk assessments methods; identifying any implications arising from the risk assessment; providing information on the risk assessment, and reviewing it at a later time.

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

This unit deals with the following:

- 1 Assess the risks of undertaking 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 N207 of Radiation Protection NOS – version February 2006.

# COGN207

## Assess the risks of undertaking radiation-related work activities

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### Performance criteria

- You must be able to:*
- P1 obtain all relevant information on the activity being undertaken and the associated radiation hazards
  - P2 apply the appropriate risk assessment methods correctly in accordance with organisational procedures
  - P3 obtain the evidence required for the risk assessment
  - P4 evaluate all relevant evidence on the safety of the activity
  - P5 assess accurately and realistically the extent and degree of the radiation risks of undertaking the activity
  - P6 identify any implications for radiation protection policies and systems arising from the risk assessment
  - P7 identify and resolve any problems with the risk assessment
  - P8 provide information on the risk assessment to the appropriate people
  - P9 review the risk assessments at an appropriate time according to the radiation protection policy of the organisation
  - 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 activities undertaken during radioactive processes
- K2 communication and presentation methods
- 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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**Relevant occupations** Engineering Professionals; Engineering and manufacturing technology

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**Suite** Radiation Protection

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