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## Overview

This unit deals with the following:

1. Identify and deal with hazards and risks arising from contingencies in supervised and controlled areas – this covers the competence required to ensure that hazards are recognised and the associated risk, including those arising from contingencies, minimised
2. Minimise risks to life, property and the environment in supervised and controlled areas – this covers the competence required to ensure that organisational procedures designed to safeguard life, property and the environment in supervised and controlled areas are fully and consistently implemented

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 N402 of Nuclear Decommissioning NOS – version October 2005.

# COGN402

## Identify and minimise hazards and risks

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### 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 recognise industrial processes, tools, equipment and materials that have the potential to cause harm
- P3 check for **hazards** in the workplace in line with agreed and approved procedures
- P4 identify **hazards** and assess the level and severity of the risk involved
- P5 prioritise these and take action to minimise the **risk** and implement control measures in the minimum agreed timescales
- P6 call for expert help in the event of **contingencies** occurring, using warning systems as appropriate
- P7 take prompt and appropriate action to minimise **risk** of personal and third party injury as a first priority and then damage to property and equipment
- P8 follow shutdown and evacuation procedures promptly and correctly
- P9 deal safely with dangers that can be contained using appropriate equipment and materials, in accordance with organisational policy and procedures
- P10 report any **hazards** identified and any actions you have taken
- P11 inform all those who are affected of the risk control measures in place and clarify any implications for them as required
- P12 ensure that information provided for safety system records is clear, accurate and up-to-date
- P13 monitor the effectiveness of the risk control measures and take prompt additional action where needed

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### Knowledge and understanding

*You need to know and understand:*

- K1 health and safety legislation, regulations and safe working practices and procedures
- K2 the agreed methods to enter/leave controlled/supervised areas
- K3 the principles of contamination and radiation control
- K4 the principles of radiation dose control
- K5 the change room procedures and barrier procedures
- K6 the methods and techniques used in hazard spotting and safety assessment
- K7 the types of hazards involving processes, tools, equipment and materials
- K8 the effects of hazards on persons, property and the environment
- K9 the actions to minimise risk from hazards
- K10 safety reporting procedures and documentation
- K11 reporting lines and procedures
- K12 first aid procedures
- K13 evacuations procedures
- K14 contingency reporting documentation and systems
- K15 site and building emergency procedures
- K16 the causes of emergency within the work area

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### Additional Information

#### Glossary

The following terms have a specific meaning in this unit:

##### **Hazards and risks**

- Those arising from the use of resources or from features within the immediate working environment
- Those arising from the use of tools, equipment and materials to dismantle and decontaminate items and deal with waste

##### **Contingencies**

- Those defined in the Ionising Radiations Regulations (IRRs)
- Those defined locally for restricted access areas including chemical spillages, fire, exposure to radiation, contaminations with radioactive dust and personal injury

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**Suite** Nuclear Decommissioning

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