



National  
Operational  
Guidance

# Hazard

## Exposure to radiation



**NFCC**  
National Fire  
Chiefs Council

Developed and maintained by the NFCC

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## Hazard - Exposure to radiation

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### Knowledge and understanding

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Hazard	Learning outcome
Exposure to radiation	Understand all associated hazard knowledge



## Control measure - Substance identification: Radioactive materials

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### TRAINING SPECIFICATION

### Knowledge and understanding

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Control measure element	Learning outcome
Gather information and recognise symbols, labels and other marking to identify radioactive materials	Understand: <ul style="list-style-type: none"><li>• Classification and labelling of radioactive materials</li><li>• Signage identifying the presence of radioactive materials</li></ul>

### Practical application



**Control measure element**

**Learning outcome**

Gather information and recognise symbols, labels and other marking to identify radioactive materials

Demonstrate the ability to:

- Use signs, labels and markings to identify the presence of radioactive materials
- Identify and interpret radioactive material incident information and where appropriate use detection equipment
- Use specialist advice to identify radioactive materials information

Refer to – Substance identification – Hazardous materials training specification



## Control measure - Manage the radiation dose received by firefighters

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Control measure element**

**Learning outcome**

Manage the radiation dose received by firefighters to as low as reasonably practicable (ALARP)

Understand:

- The factors for managing exposure to radiation:
  - Time
  - Distance
  - Shielding
- The use of personal dosimeters
- The use of dose rate survey meters
- The considerations prior to an exposure event



## Practical application

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### Control measure element

Manage the radiation dose received by firefighters to as low as reasonably practicable (ALARP)

### Learning outcome

Demonstrate the ability to:

- Assess the need for fire service exposure to radiation source(s)
- Employ the principles for managing exposure to radiation:
  - Time
  - Distance
  - Shielding
- Use personal dosimeters
- Use dose rate survey meters
- Monitor and record radiation exposure information