



National  
Operational  
Guidance

## Hazard

**Explosive materials: Not involved in  
fire**



**NFCC**  
National Fire  
Chiefs Council

Developed and maintained by the NFCC

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## Hazard - Explosive materials: Not involved in fire

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### Knowledge and understanding

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Hazard	Learning outcome
Explosive materials: Not involved in fire	Understand all associated hazard knowledge See hazard – Explosive materials not involved in fire



## Control measure - Site specific risk information: Explosive materials

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### TRAINING SPECIFICATION

#### Knowledge and understanding

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Control measure element	Learning outcome
Gather and have available risk critical information on explosive materials	Refer to <a href="#">Site-Specific Risk Information (SSRI) – Operation straining specification</a>

#### Practical application

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Control measure element	Learning outcome
Gather and have available risk critical information on explosive materials	Demonstrate the ability to: • Gather explosive material information from a number of sources • Interpret risk information and plan for anticipated outcomes Refer to <a href="#">Site-Specific Risk Information (SSRI) – Operation straining specification</a>



## Control measure - ARCHIVED - Emergency response plans

### TRAINING SPECIFICATION

#### Knowledge and understanding

##### Control measure element

##### Learning outcome

Emergency response plans

Understand:

- The relevant legislation on the production of emergency response plans
- The principles of emergency response and recovery

#### Practical application

##### Control measure element

##### Learning outcome

Access and use emergency response plans to inform operational practice

Demonstrate the ability to:

- Access emergency response plans
- Identify roles and responsibilities of Fire Service within emergency response plans
- Co-operate and share information with other responsible agencies in line with service policy and legal obligations



## Control measure - Substance identification: Explosive materials

### TRAINING SPECIFICATION



## Knowledge and understanding

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### Control measure element

Gather information and recognise symbols, labels and other markings to identify explosive materials

### Learning outcome

Understand:

- Classification of explosive materials
  - Signage identifying explosive materials in the transport environment
  - The information that may be gathered from a vehicle or crafts crew, when explosives are being transported
  - Liaison protocols with military personnel to determine the carriage of explosive materials in unmarked transport
  - Signage identifying sites where explosive materials may be stored
  - Labelling and packaging of explosive substances
  - Recognition features of homemade explosives and CBRNe materials
  - The use of specialist advice to identify homemade explosives and CBRNe materials
- Refer to – Substance identification – Hazardous materials training specification

## Practical application



**Control measure element**

**Learning outcome**

Gather information and recognise symbols, labels and other markings to identify explosive materials

Demonstrate the ability to:

- Use signs, labels and markings to identify the presence of explosive materials
- Access and interpret explosive materials information from various sources
- Identify the location and physical state of explosive materials and where appropriate use detection equipment
- Identify involvement of explosive materials in fire

Refer to – Substance identification – Hazardous materials training specification



## Control measure - Control Ammonium Nitrate fertiliser

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Control measure element**

**Learning outcome**

Control Ammonium Nitrate fertiliser

Understand:

- The use of Ammonium Nitrate
- The use of cordon controls to reduce risk from explosive materials
- How to identify and interpret signage for Ammonium Nitrate
- Actions if Ammonium Nitrate is smouldering or decomposing
- Ammonium Nitrate information to inform tactical planning



## Practical application

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### Control measure element

### Learning outcome

Control Ammonium Nitrate fertiliser

Demonstrate the ability to:

- Establish preventative measures to control the impact of nitrate fertiliser on incidents
- Select and implement appropriate operational tactics for use at incidents involving nitrate fertiliser
- Monitor and manage the risk from nitrate fertilisers
- Access additional support from explosive materials experts



## Control measure - Eliminate ignition sources

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## TRAINING SPECIFICATION

### Knowledge and understanding

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#### Control measure element

#### Learning outcome

Minimise risk by eliminating sources of ignition

Understand the following:

- Meaning of ignition source
- Types of ignition source
- Methods to identify ignition sources
- Methods to eliminate or minimise the risk of ignition

### Practical application



**Control measure element**

**Learning outcome**

Eliminate ignition sources

Demonstrate the ability to:

- Identify potential ignition sources
- Select and use appropriate methods to eliminate or control ignition sources



## Control measure - Control explosive materials not involved in fire

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Control measure element**

**Learning outcome**

Control explosive materials not involved in fire to prevent them becoming unstable

Understand:

- How explosives may become unstable
- Priority actions to prevent explosives becoming unstable

#### Practical application

**Control measure element**

**Learning outcome**

Control explosive materials not involved in fire to prevent them becoming unstable

Demonstrate the ability to:

- Identify, assess and communicate the likely involvement of explosive materials
- Select and implement appropriate tactics to prevent explosive materials being involved in fire
- Identify where explosive materials present a risk to people, infrastructure and the environment





## Control measure - Use intrinsically safe equipment

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### TRAINING SPECIFICATION

#### Knowledge and understanding

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Control measure element	Learning outcome
Use intrinsically safe equipment to reduce the possibility of explosion	Understand: <ul style="list-style-type: none"><li>• The importance of using intrinsically safe equipment near explosive materials</li></ul>



#### Practical application

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Control measure element	Learning outcome
Use intrinsically safe equipment to reduce the possibility of explosion	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Use intrinsically safe equipment where there is a risk of explosion</li></ul>