



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

Knowledge and understanding

| 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

TRAINING SPECIFICATION

Knowledge and understanding

| Control measure element | Learning outcome |
|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Gather and have available risk critical information on explosive materials | Refer to Site-Specific Risk Information (SSRI) – Operation straining specification |

Practical application

| Control measure element | Learning outcome |
|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gather and have available risk critical information on explosive materials | Demonstrate the ability to: <ul style="list-style-type: none">• Gather explosive material information from a number of sources• Interpret risk information and plan for anticipated outcomes Refer to Site-Specific Risk Information (SSRI) – Operation straining specification |



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

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

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

TRAINING SPECIFICATION

Knowledge and understanding

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

TRAINING SPECIFICATION

Knowledge and understanding

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

Practical application

| 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">• Use intrinsically safe equipment where there is a risk of explosion |