



National  
Operational  
Guidance

# Training specification

## Fires in buildings



**NFCC**  
Fire Central  
Programme Office

Developed and maintained by the NFCC

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## Hazard - Inaccurate situational awareness – Fires in buildings

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### Knowledge and understanding

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Hazard	Learning outcome
Inaccurate situational awareness – Fires in buildings	Understand all associate hazard knowledge



## Control measure - Situational awareness – Fires in buildings

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### TRAINING SPECIFICATION

#### Knowledge and understanding



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**Control measure element**

**Learning outcome**

Situational awareness – Fires in buildings

Understand:

- How fires in buildings are affected by:
  - Their design
  - The construction materials used
  - Their use
  - Occupancy types
  - Building systems
  - Engineered solutions
- The effects of fire and firefighting on a building
- Potential sources of information for fires in buildings including:
  - SSRI
  - Emergency response plans
  - Building plans
  - Premises information boxes and plates
  - Building systems
  - Signage
  - External surveys
  - Observations from thermal imaging
  - Fire control rooms
  - Responsible person
  - Occupants
  - External safety officers
  - Personnel operating inside the building
  - Other agencies

**Practical application**



**Control measure element**

**Learning outcome**

Situational awareness – Fires in buildings

- Demonstrate the ability to:
- Access information to inform situational awareness, including
    - Evacuation strategy
    - Fire safety plan
  - Document information received appropriately
  - Use sources of information, such as building plans, to support decision making
  - Consider the design, construction and occupancy type when developing a tactical plan
  - Check accuracy of information with responsible person
  - Access building systems such as:
    - Fire alarms
    - Security systems
    - Closed circuit television



## Control measure - Scene survey: Fires in buildings

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Control measure element**

**Learning outcome**

Scene survey: Fires in buildings

- Understand:
- How to perform a comprehensive scene survey
  - The information that should be gathered at a fire in a building
  - Signs of occupancy



## Practical application

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### Control measure element

### Learning outcome

Scene survey: Fires in buildings

- Demonstrate the ability to:
- Carry out a comprehensive scene survey at the earliest opportunity and regularly based on a risk assessment of the incident
  - Identify appropriate information during a scene survey including:
    - Occupancy,
    - Use and contents of the building
    - Construction type
    - Size, age and condition of the building
    - Adjacent buildings that may be affected
    - Signs of unauthorised habitation
    - The presence of fixed installations
    - Any fire engineered solutions and their current effectiveness
  - Identify and communicate changes in the building fire environment, which may affect tactical decisions



## Hazard - Restricted access and egress – Fires in buildings

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### Knowledge and understanding

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#### Hazard

#### Learning outcome

Restricted access and egress – Fires in buildings

Understand all associated hazard knowledge



## Control measure - Gain access/entry

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## TRAINING SPECIFICATION

### Knowledge and understanding

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#### Control measure element

#### Learning outcome

Gain access/entry

Understand:

- The legislative powers for gaining access
- The various methods used to gain access
- The hazards associated with accessing buildings involved in fire
- Precautionary measures prior to making access/entry
- Building security arrangements to be implemented following fires in buildings

Refer to [Fires and firefighting training specification – Consider making a forcible entry](#)

### Practical application

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#### Control measure element

#### Learning outcome

Gain access/entry

Demonstrate the ability to:

- Use appropriate rationale for gaining/forcing access/entry
- Assess all possible means of gaining access/entry
- Gain access/entry to buildings using the appropriate methods
- Gain access/entry to vehicles using the appropriate methods

Refer to [Fires and firefighting training specification – Consider making a forcible entry](#)



## Control measure - Gain and maintain access and egress for sites with security features

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## TRAINING SPECIFICATION



## Knowledge and understanding

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### Control measure element

Gain and maintain access and egress for sites with security features

### Learning outcome

Understand:

- The various types of security features which may be encountered, when attending fires in buildings
- The considerations regarding security features, when attending fires in buildings
- The methods and techniques used to render security features safe, when attending fires in buildings

## Practical application

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### Control measure element

Gain and maintain access and egress for sites with security features

### Learning outcome

Demonstrate the ability to:

- Consider and apply all available options to safely deal with security features to gain and maintain access and egress



## Control measure - Evacuation and shelter

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## TRAINING SPECIFICATION

### Knowledge and understanding



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**Control measure element**

**Learning outcome**

Evacuation of people

Understand:

- The hazards and risks associated with emergency evacuation
- The potential behaviour of people in emergency situations
- The emergency evacuation procedures for differing situations
- The considerations for incorporating evacuation procedures into incident plans
- The impact of disruption to transport networks whilst dealing with large numbers of people at transport related incidents
- The wider impact of dealing with significant numbers of evacuated people

**Practical application**

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**Control measure element**

**Learning outcome**

Use appropriate systems to maintain the safety of people

Demonstrate the ability to:

- Liaise with the responsible person to obtain advice relating to evacuation arrangements
- Identify where 'evacuation' or 'stay put' is appropriate and record rationale for decision
- Perform an evacuation according to agreed service protocols
- Recognise where the involvement of other agencies is required to assist evacuation
- Identify the availability of emergency plans that support an evacuation
- Develop an evacuation strategy using available information
- Identify safe egress routes and refuge points
- Identify where the behaviour of people may affect an evacuation
- Put in place control measures to limit hazards to public and staff during evacuation
- Establish welfare arrangements for people evacuated from transport incidents



## Control measure - Safe access and egress: Fires in buildings

### TRAINING SPECIFICATION

#### Knowledge and understanding

##### Control measure element

##### Learning outcome

Safe access and egress: Fires in buildings

Understand:

- The methods of protecting access and egress routes for buildings involved in fire
- The purpose of a building fire strategy
- The purpose of emergency lighting within buildings and its limitations
- The types of lifts used in buildings and their associated standards
- The use of ladders, aerial appliances and firefighting lifts for access and egress in buildings

#### Practical application



**Control measure element**

**Learning outcome**

Safe access and egress: Fires in buildings

- Demonstrate the ability to:
- Protect access and egress routes in buildings using appropriate methods
  - Identify and operate from firefighting shafts as a primary means of access for firefighting and staging internal operations in buildings
  - Control firefighting lifts during incidents considering impact on evacuation
  - Use and operate separate routes for access and egress of firefighting personnel and emergency evacuation of residents and members of public for fires in buildings
  - Identify and communicate potential security systems and devices which could isolate personnel in risk areas within buildings



## Control measure - Bridgehead

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Control measure element**

**Learning outcome**

Bridgehead

- Understand:
- The considerations when deciding the appropriate location for a bridgehead within a building

#### Practical application



**Control measure element**

**Learning outcome**

Bridgehead

Demonstrate the ability to:

- Set up an appropriate bridgehead within a building
- Set up an appropriate staging area within a building



## Hazard - Undetected firespread

**Knowledge and understanding**

**Hazard**

**Learning outcome**

Undetected firespread

Understand all associated hazard knowledge



## Control measure - Identify and investigate fire in concealed areas

### TRAINING SPECIFICATION

**Knowledge and understanding**



**Control measure element**

**Learning outcome**

Identify and investigate fire in concealed areas

- Understand:
- Information that can be used to identify concealed spaces from:
    - SSRI
    - Building plans
    - Owner, occupant or responsible person
  - The need to investigate concealed spaces to reduce the risk of firespread
  - How to use thermal imaging cameras to determine the location and spread of fire
  - How signs of smoke or heat damage may indicate concealed firespread

**Practical application**

**Control measure element**

**Learning outcome**

Identify and investigate concealed spaces

- Demonstrate the ability to:
- Gather information about the location of concealed spaces and how to access them
  - Identify concealed spaces by considering:
    - How the building was constructed
    - The materials used in construction
    - Any modifications
  - Use fire detection and alarm systems to identify concealed firespread
  - Recognise the symptoms of firespread in concealed spaces
  - Identify:
    - Firespread in concealed spaces
    - Fire protected areas and their integrity
  - Effectively use thermal imaging cameras to identify fire in concealed spaces





## Control measure - Access concealed spaces

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### TRAINING SPECIFICATION

#### Knowledge and understanding

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Control measure element	Learning outcome
Access concealed spaces	Understand: <ul style="list-style-type: none"> <li>• Why it may be necessary to access concealed spaces</li> <li>• The most appropriate methods and access points for concealed spaces</li> <li>• How accessing concealed spaces may affect:               <ul style="list-style-type: none"> <li>- Ventilation</li> <li>- Structural integrity</li> <li>- Utility supplies</li> </ul> </li> </ul>

#### Practical application

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Control measure element	Learning outcome
Access concealed spaces	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Isolate utility supplies before accessing concealed spaces</li> <li>• Identify the impacts on structural stability before accessing concealed spaces</li> <li>• Consider the impact of ventilation when accessing concealed spaces</li> <li>• Implement the appropriate methods of accessing concealed spaces</li> <li>• Put in place appropriate and sufficient firefighting media when accessing concealed spaces</li> </ul>



### Hazard - Firespread breaching a compartment

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## Knowledge and understanding

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### Hazard

Firespread breaching a compartment

### Learning outcome

Understand all associated hazard knowledge



## Control measure - Maintain fire compartmentation

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## TRAINING SPECIFICATION

### Knowledge and understanding

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#### Control measure element

Maintain fire compartmentation

#### Learning outcome

Understand:

- Fire compartmentation and how:
  - It may be provided
  - It may be breached
- How maintaining compartmentation may limit the spread of fire and smoke
- How to maintain fire compartmentation

### Practical application



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**Control measure element**

**Learning outcome**

Maintain fire compartmentation

Demonstrate the ability to:

- Gather information about fire compartmentation in a building from:
  - SSRI
  - Building plans
  - Responsible person
  - Specialist advisers
- Assess compartmentation considering:
  - Changes in layout or use of the building
  - Building features
  - Chimneys
  - Fire stopping materials
  - General (non-fire) doors
- Investigate failures in fire compartmentation
- Maintain the integrity of compartmentation and fire doors when carrying out firefighting operations
- Appropriately use fire doors as part of a tactical plan
- Use boundary cooling to protect fire compartmentation



## Control measure - Monitor effectiveness of compartmentation

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### TRAINING SPECIFICATION

#### Knowledge and understanding



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**Control measure element**

**Learning outcome**

Monitor effectiveness of compartmentation

- Demonstrate the ability to:
- Monitor the effectiveness of fire compartmentation
  - Check all compartment boundaries for potential firespread
  - Identify the signs and symptoms of fire breaching compartmentation
  - Assess how a breach in fire compartmentation may cause fire spread or development
  - Use thermal imaging to detect firespread breaching compartmentation
  - Access specialist advice about the structural integrity of a building

**Practical application**

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**Control measure element**

**Learning outcome**

Monitor effectiveness of compartmentation

- Demonstrate the ability to:
- Monitor the effectiveness of fire compartmentation
  - Check all compartment boundaries for potential firespread
  - Identify the signs and symptoms of fire breaching compartmentation
  - Assess how a breach in fire compartmentation may cause fire spread or development
  - Use thermal imaging to detect firespread breaching compartmentation
  - Access specialist advice about the structural integrity of a building



## Hazard - External firespread



**Knowledge and understanding**

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**Hazard**

**Learning outcome**

External firespread

Understand all associated hazard knowledge



**Control measure - External fire protection**

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**TRAINING SPECIFICATION**

**Knowledge and understanding**

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**Control measure  
element**

**Learning outcome**

External fire protection

Understand:

- How to evaluate the likelihood and impact of external firespread, considering:
  - Building design
  - Construction materials
  - Status of the fire
  - Breaches in compartmentation, such as open windows or external wall panels
- How external firespread may impact on:
  - Occupants of the building
  - Access, egress and evacuation routes
  - Cordon distances
  - Other parts of the building
  - Surrounding areas and adjacent buildings
- How the presence of external cladding and sources of renewable energy may affect firefighting operations and external firespread

**Practical application**



**Control measure element**

**Learning outcome**

External fire protection

Demonstrate the ability to:

- Identify potential external fire spread in buildings
- Use appropriate firefighting tactics and equipment to minimise external fire spread in buildings
- Identify and use a buildings external fixed firefighting installations
- Use effective communications as an internal and external firefighting crew
- Consider the potential effects of wind on fire development in buildings



## Control measure - Monitor for external firespread

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Control measure element**

**Learning outcome**

Monitor for external firespread

Understand:

- The methods for providing external protection for firefighting means in buildings
- The need for communication between internal and external firefighting crews whilst dealing with fires in buildings

#### Practical application



**Control measure element**

**Learning outcome**

Monitor for external firespread

Demonstrate the ability to:

- Establish appropriate cordons considering external firespread, planing glass or panels and falling objects
- Monitor external firespread using:
  - Thermal imaging cameras
  - Internal and external resources
  - Carrying out regular external surveys
- Investigate the building for external firespread, considering hidden or undetected firespread



## Control measure - Co-ordinate internal and external activity

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Control measure element**

**Learning outcome**

Co-ordinate internal and external activity

Understand:

- How external activity can impact upon internal conditions
- Necessity of effective communication between internal and external personnel

#### Practical application



**Control measure element**

**Learning outcome**

Co-ordinate internal and external activity

Demonstrate the ability to:

- Co-ordinate internal and external firefighting activities
- Establish effective communication to co-ordinate internal and external activity



## Control measure - Provide external protection

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Control measure element**

**Learning outcome**

Provide external protection

Understand:

- When external protection is necessary
- How to provide effective external fire protection
- When firebreaks may need to be created

#### Practical application



**Control measure element**

**Learning outcome**

Provide external protection	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Provide effective external fire protection, considering internal activity and the compatibility of firefighting media</li> <li>• Position external protection effectively</li> <li>• Use fire breaks effectively</li> <li>• Remove external fire loading</li> <li>• Appropriately use:             <ul style="list-style-type: none"> <li>- Aerial appliances</li> <li>- Firefighting monitors</li> <li>- Wall drencher systems</li> <li>- Firefighting media</li> <li>- Firefighting techniques</li> </ul> </li> </ul>
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## Hazard - Failure or inappropriate operation of fixed installations

**Knowledge and understanding**

**Hazard**

**Learning outcome**

Failure or inappropriate operation of fixed installations

Understand all associated hazard knowledge



## Control measure - Site-Specific Risk Information (SSRI)

**TRAINING SPECIFICATION**

**Knowledge and understanding**





**Control measure element**

**Learning outcome**

Site-Specific Risk Information (SSRI)

Understand:

- The arrangements for obtaining SSRI
- The information contained within SSRI
- The process for sharing updated information regarding SSRI

**Practical application**

**Control measure element**

**Learning outcome**

Access and use Site Specific Risk Information to inform operational practice

Demonstrate the ability to:

- Access SSRI
- Use SSRI information to identify hazards
- Produce accurate SSRI
- Use service policy to process and amend inaccurate SSRI
- Identify sites that require completion of SSRI
- Perform familiarisation visits involving SSRI
- Perform exercises using SSRI
- Use salvage plans
- Use disaster plans
- Use SSRI to resolve operational incidents
- Identify inaccurate information following an inspection, visit or incident and update SSRI appropriately



## Control measure - Operate or alter fixed installations

**TRAINING SPECIFICATION**



## Knowledge and understanding

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### Control measure element

### Learning outcome

Operate or alter fixed installations

Understand:

- The various fixed installations used to minimise the effect of fire in buildings
- The steps to be taken prior to operating or altering fixed installations for buildings involved in fire

## Practical application

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### Control measure element

### Learning outcome

Operate or alter fixed installations

Demonstrate the ability to:

- Take appropriate steps prior to operating or altering fixed installations for buildings involved in fire
- Operate and alter fixed installations for buildings involved in fire as part of a co-ordinated tactical plan



## Control measure - Implement firefighting contingency arrangements

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## TRAINING SPECIFICATION

### Knowledge and understanding



**Control measure element**

**Learning outcome**

Implement firefighting contingency arrangements

- Understand:
- The rationale for the development of contingency arrangements when a buildings fixed installations are in use
  - The considerations when developing contingency arrangements when a buildings fixed installations are in use

**Practical application**

**Control measure element**

**Learning outcome**

Implement firefighting contingency arrangements

- Demonstrate the ability to:
- Identify, implement and use appropriate contingency arrangements when a building's fixed installations are in use



## Control measure - Tactical planning – Damage control

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Control measure element**

**Learning outcome**

Tactical planning – Damage control

- Understand:
- The damage control function within the incident command system
  - The three phases of operation for damage control
  - The measures for effective damage control activities



## Practical application

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### Control measure element

### Learning outcome

Tactical planning – Damage control

Demonstrate the ability to:

- Use a damage control plan as part of a co-ordinated team
- Operate salvage operations as part of a co-ordinated team



## Control measure - Respiratory protective equipment (RPE)

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## TRAINING SPECIFICATION

### Knowledge and understanding

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#### Control measure element

#### Learning outcome

Respiratory protective equipment (RPE)

Understand:

- The relevant legislation on RPE
- The use and limitations of all role related respiratory protective equipment
- PPE and RPE compatibility
- The good practice of face fit testing
- The two main types of RPE
- RPE provision and causes of unsafe use

Refer to control measure – [Personal protective equipment \(PPE\)](#)

**For further training specifications regarding self-contained breathing apparatus see – [Breathing apparatus training specification](#)**

## Practical application



**Control measure element**

**Learning outcome**

Respiratory protective  
equipment (RPE)

Demonstrate the ability to:

- Wear and use the appropriate level of RPE identified by service risk assessments
- Wear and use the appropriate level off RPE, throughout an incident, as identified by service risk assessment
- Adopt breathing apparatus (BA) command and control procedures appropriate to the incident

Refer to control measure – [Personal protective equipment \(PPE\)](#)

**For further training specifications regarding self-contained breathing apparatus see – [Breathing apparatus training specification](#)**



**Hazard - Partial or structural collapse: Fires in buildings**

**Knowledge and understanding**

**Hazard**

**Learning outcome**

Partial or structural collapse: Fires in buildings

Understand all associated hazard knowledge



**Control measure - Identify the presence of lightweight or fragile building features**

**TRAINING SPECIFICATION**

**Knowledge and understanding**



**Control measure element**

**Learning outcome**

Identify the presence of lightweight or fragile building features

- Understand:
- The lightweight or fragile features used in buildings
  - How to identify lightweight or fragile building features
  - The safe working procedures associated with false chimneys
  - The safe working procedures associated with glazed structures

**Practical application**

**Control measure element**

**Learning outcome**

Identify the presence of lightweight or fragile building features

- Demonstrate the ability to:
- Identify false chimneys
  - Identify structural and non-structural glazing
  - Use appropriate safe working procedures when lightweight or fragile building features are present



## Control measure - Assess the building for signs of collapse

### TRAINING SPECIFICATION

#### Knowledge and understanding



**Control measure element**

**Learning outcome**

Assess the building for signs of collapse

- Understand:□
- Building materials and design to an appropriate level
  - How fire service operations may affect the structural integrity of a building□
  - Factors that may affect the structural integrity of a building□
  - Potential signs of collapse□of buildings
  - The preventative actions that can be used to can minimise the potential impact of a fire on the inherent structural stability of a building.
  - The specialist advisers who may assist with assessing the integrity of a building

**Practical application**

**Control measure element**

**Learning outcome**

Assess the building for signs of collapse

- Demonstrate the ability to:□
- Use various methods to assess and monitor the integrity of a building
  - Identify areas for cutting to inspect the integrity of structural elements
  - Assess the effects of the duration and intensity of fire on structural elements and materials
  - Assess the effects of firefighting activity on structural elements and materials
  - Gather information and intelligence about previous fire related incidents in the building
  - Request appropriate specialist advice to assist in the assessment and monitoring of signs of collapse



## Control measure - Cordon control: Unstable structures

## TRAINING SPECIFICATION

### Knowledge and understanding

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Control measure element	Learning outcome
Cordon control: Unstable structures	<p>Understand:□</p> <ul style="list-style-type: none"> <li>• The importance of establishing cordons in the early stages of an incident when a structure may be unstable□</li> <li>• The factors that will influence cordon distance for structures with potential for partial or structural collapse</li> <li>• How to identify portal or rigid frame construction</li> <li>• The hazards associated with portal or rigid frame construction</li> <li>• The additional considerations when establishing safe cordons for unstable structures</li> <li>• Who can provide specialist advice and assistance regarding cordons at incidents involving unstable structures</li> </ul>

### Practical application

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Control measure element	Learning outcome
Cordon control: Unstable structures	<p>Demonstrate the ability to:□</p> <ul style="list-style-type: none"> <li>• Gather relevant information to enable the evaluation and monitoring of the potential footprint of collapse and debris</li> <li>• Identify the appropriate cordon distance for buildings with potential for partial or structural collapse</li> <li>• Establish cordons safely, considering potential collapse of structures or equipment□</li> <li>• Seek and act upon specialist advice regarding cordons for unstable structure</li> </ul> <p>Refer to <a href="#">Establish appropriate cordon controls – Incident command training specification</a></p>



## Control measure - Identify appropriate access





## and egress points

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### TRAINING SPECIFICATION

#### Knowledge and understanding

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##### Control measure element

Identify appropriate access and egress points

##### Learning outcome

Understand:□

- The factors to be taken into account when establishing appropriate access and egress to buildings that may partially or structurally collapse
- How protected zones may be used to maintain access and egress

#### Practical application

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##### Control measure element

Identify appropriate access and egress points

##### Learning outcome

Demonstrate the ability to:□

- Identify and communicate appropriate access and egress routes when it has been identified that a partial or structural collapse of a building may occur
- Identify and communicate protected zones within a building
- Identify and communicate access and egress routes considering safety and travel distances
- Identify and communicate routes for tactical withdrawal or evacuation



## Control measure - Take preventative action

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## TRAINING SPECIFICATION

### Knowledge and understanding

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#### Control measure element

#### Learning outcome

Take preventative action

Understand:

- The considerations prior to early intervention and how this may prevent the collapse of a building, or protect areas required for access and egress
  - Who can provide specialist advice and assistance regarding preventative action at incidents involving unstable structures
- Refer to [Subsurface, height, structures and confined spaces training specification](#)

### Practical application

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#### Control measure element

#### Learning outcome

Take preventative action

Demonstrate the ability to:

- Assess structural stability prior to taking preventative action to mitigate the risk of partial or structural collapse of the building
- Take appropriate preventative action to reduce the risk or partial or structural collapse of the building



## Hazard - Impact of fire or firefighting on structural elements or structural frames

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### Knowledge and understanding

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#### Hazard

#### Learning outcome

Impact of fire or firefighting on structural elements or structural frames

Understand all associated hazard knowledge



## Control measure - Identify and consider the impact of fire or firefighting on structural elements or structural frames

### TRAINING SPECIFICATION

#### Knowledge and understanding

##### Control measure element

Identify and consider the impact of fire or firefighting on structural elements or structural frames

##### Learning outcome

Understand:

- How fires and firefighting affect different types of structural elements and frames

#### Practical application

##### Control measure element

Identify and consider the impact of fire or firefighting on structural elements or structural frames

##### Learning outcome

Demonstrate the ability to:

- Gather and communicate relevant information regarding structural elements and structural frames
- Assess and communicate the impact of fire and firefighting on structural elements and frames
- Access and act upon appropriate specialist advice to assess the impact of fire and firefighting on structural elements and frames
- Apply the appropriate actions and techniques for fires involving different types of structural elements and frames



## Hazard - Impact of fire or firefighting on



## structural materials

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### Knowledge and understanding

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#### Hazard

Impact of fire or firefighting on structural materials

#### Learning outcome

Understand all associated hazard knowledge



### Control measure - Assess the impact of fire or firefighting on structural materials

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### TRAINING SPECIFICATION

#### Knowledge and understanding

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##### Control measure element

Assess the impact of fire or firefighting on structural materials

##### Learning outcome

Understand:

- The types of structural materials used in construction
- The potential impact of fire and firefighting activities on structural materials
- The considerations and optional tactics for dealing with fire involving the various structural materials

#### Practical application



**Control measure element**

**Learning outcome**

Assess the impact of fire or firefighting on structural materials

Demonstrate the ability to:

- Identify structural materials used in buildings
- Identify when specialist advice regarding fire affecting structural materials is required and request their attendance
- The purpose of protected zones within a building



## Hazard - Fires in roofs

### Knowledge and understanding

**Hazard**

**Learning outcome**

Fires in roofs

Understand all associated hazard knowledge



## Control measure - Appropriate speed and weight of intervention

### TRAINING SPECIFICATION

#### Knowledge and understanding



**Control measure element**

**Learning outcome**

Appropriate speed of intervention for incidents involving fire

Understand the following:

- Considerations for determining the speed of intervention
- Circumstances dictating defensive firefighting tactics
- Circumstances dictating offensive firefighting tactics
- Procedures, equipment and facilities used to ensure safe systems of work are adopted for rapid intervention

**Practical application**

**Control measure element**

**Learning outcome**

Appropriate speed of intervention

Demonstrate the ability to:

- Carry out a personal assessment of risk to justify offensive or defensive tactics



## Control measure - Firebreaks and fuel breaks

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Control measure element**

**Learning outcome**

Firebreaks and fuel breaks

Understand:

- The purpose of a firebreak in a building and how to effectively create it
- The purpose of a fuel break in a building and how to effectively create it



## Practical application

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### Control measure element

### Learning outcome

Firebreaks and fuel breaks

Demonstrate the ability to:

- Use appropriate techniques and equipment to create an effective firebreak in a building
- Use appropriate techniques and equipment to create an effective fuel break in a building



## Control measure - Cutting away

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## TRAINING SPECIFICATION

### Knowledge and understanding

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### Control measure element

### Learning outcome

Expose fire by cutting away

Understand the following:

- Circumstances when cutting away is/is not appropriate
- Appropriate methods for cutting away
- Appropriate equipment for cutting away

### Practical application

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### Control measure element

### Learning outcome

Cutting away

Demonstrate the ability to:

- Assess adjoining compartments prior to cutting away
- Select and use appropriate tools for cutting away
- Identify structural members which may be affected by cutting away activities
- Identify and isolate power supplies where necessary prior to cutting away



## Control measure - Appropriate intervention: Fires in roofs

### TRAINING SPECIFICATION

#### Knowledge and understanding

##### Control measure element

Appropriate intervention: Fires in roofs

##### Learning outcome

Understand:

- The hazards associated with fires and firefighting in roofs
- How to assess roofs for potential collapse in fire
- The considerations prior to offensive firefighting operations for fires in roofs
- How to access roofs for firefighting activities

#### Practical application

##### Control measure element

Appropriate intervention: Fires in roofs

##### Learning outcome

Demonstrate the ability to:

- Identify the hazards associated with roof fires
- Identify the potential for collapse of roofs involved in fire
- Carry out appropriate actions when dealing with roof fires
- Access roof/adjoining roof spaces for firefighting and inspection activities



## Hazard - Fires in thatched roofs





**Knowledge and understanding**

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**Hazard**

**Learning outcome**

Fires in thatched roofs

Understand all associated hazard knowledge



**Control measure - Appropriate intervention:  
Thatched roof fires**

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**TRAINING SPECIFICATION**

**Knowledge and understanding**

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**Control measure element**

**Learning outcome**

Appropriate intervention: Thatched roof fires

Understand:

- The hazards associated with thatched roofs
- The features of thatched roofs making it difficult to extinguish fire
- The different methods of thatched roof construction
- The techniques and equipment used to extinguish fires in thatched roofs
- The fixed installations which may be used to protect thatched roofs
- The specialist equipment used to deal with thatched roof fires
- The common causes of fires in thatched roofs

**Practical application**



**Control measure element**

**Learning outcome**

Appropriate intervention: Thatched roof fires

- Demonstrate the ability to:
- Identify the hazards presented at thatched roof fires
  - Use appropriate techniques and equipment to extinguish fire in thatched roofs



## Control measure - Firebreaks and fuel breaks

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Control measure element**

**Learning outcome**

Firebreaks and fuel breaks

- Understand:
- The purpose of a firebreak in a building and how to effectively create it
  - The purpose of a fuel break in a building and how to effectively create it

#### Practical application

**Control measure element**

**Learning outcome**

Firebreaks and fuel breaks

- Demonstrate the ability to:
- Use appropriate techniques and equipment to create an effective firebreak in a building
  - Use appropriate techniques and equipment to create an effective fuel break in a building



## Control measure - Damage control – Thatch fires



## TRAINING SPECIFICATION

### Knowledge and understanding

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#### Control measure element

#### Learning outcome

Damage control – Thatch fires

Understand:

- Why damage control processes are important for fires involving thatched roofs
- The processes used to protect and salvage possessions for fires involving thatched roofs

### Practical application

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#### Control measure element

#### Learning outcome

Damage control – Thatch fires

Demonstrate the ability to:

- Perform damage control tasks at fires involving thatched roofs



## Control measure - Tactical planning – Damage control

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## TRAINING SPECIFICATION

### Knowledge and understanding

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#### Control measure element

#### Learning outcome

Tactical planning – Damage control

Understand:

- The three phases of operations at fires involving thatched roofs.
- The attributes proportionate to the effectiveness of damage control activities



## Practical application

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### Control measure element

### Learning outcome

Tactical planning – Damage control

Demonstrate the ability to:

- Use a damage control plan as part of a damage control team for fires involving thatched roofs
- Operate within a functional sector as damage control operative
- Carry out appropriate salvage operations for fires involving thatched roofs



## Hazard - Fires in chimneys

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### Knowledge and understanding

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#### Hazard

#### Learning outcome

Fires in chimneys

Understand all associated hazard knowledge



## Control measure - Appropriate intervention: Fires in chimneys

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## TRAINING SPECIFICATION

### Knowledge and understanding



**Control measure element**

**Learning outcome**

Appropriate intervention: Fires in chimneys

Understand:

- The hazards associated with fires in chimneys
- The features of chimneys making it difficult to extinguish fire
- The different methods of chimney construction
- The techniques and equipment used to extinguish fires in chimneys
- The specialist equipment used to deal with uncontrolled roof fires
- The common causes of uncontrolled fires in chimneys

**Practical application**

**Control measure element**

**Learning outcome**

Appropriate intervention: Fires in chimneys

Demonstrate the ability to:

- Use appropriate techniques and equipment to extinguish fire in chimneys



## Control measure - Cutting away

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Control measure element**

**Learning outcome**

Expose fire by cutting away

Understand the following:

- Circumstances when cutting away is/is not appropriate
- Appropriate methods for cutting away
- Appropriate equipment for cutting away



## Practical application

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### Control measure element

### Learning outcome

Cutting away

Demonstrate the ability to:

- Assess adjoining compartments prior to cutting away
- Select and use appropriate tools for cutting away
- Identify structural members which may be affected by cutting away activities
- Identify and isolate power supplies where necessary prior to cutting away



## Control measure - Controlled burning

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## TRAINING SPECIFICATION

### Knowledge and understanding

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### Control measure element

### Learning outcome

Controlled burning

Understand:

- Why a controlled burn may limit the impact on the environment
- When a controlled burn can be considered
- The need to seek specialist advice and from whom
- The effects of using positive pressure ventilation to accelerate a controlled burn
- The techniques used to introduce an accelerated control burn
- The techniques that can be used in conjunction with a controlled burn

## Practical application



**Control measure element**

**Learning outcome**

Controlled burning

Demonstrate the ability to:

- Use equipment to accelerate burning in line with service procedures
- Protect surroundings during a controlled burn



## Hazard - Cables

**Knowledge and understanding**

**Hazard**

**Learning outcome**

Cables

Understand all associated hazard knowledge



## Control measure - Locate and avoid cables

### TRAINING SPECIFICATION

**Knowledge and understanding**

**Control measure element**

**Learning outcome**

Locate and avoid cables

Understand:

- How thermal imaging can be used to identify internal fixings that have been subjected to heat
- Other methods to locate and identify lightweight conduit, trunking and cable fixings
- The need and methods to isolate electricity supplies to reduce the hazards associated with cables
- How specialist equipment may minimise the risks associated with cable entanglement



## Practical application

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### Control measure element

### Learning outcome

Locate and avoid cables

Demonstrate the ability to:

- Establish and communicate the location of cables, fixings, fuels and relevant isolation points
- Assess the likelihood that cables and fixings may fail
- Use thermal imaging to identify cables subjected to heat
- Identify and communicate alternative routes to avoid the risks associated with cables
- Secure cables in safe position to avoid entanglement
- Perform a controlled release of cables
- Select the use of appropriate specialist equipment to minimise the risk of cable entanglement



## Control measure - Extrication of personnel from cable entanglement

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## TRAINING SPECIFICATION

### Knowledge and understanding

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#### Control measure element

#### Learning outcome

Extrication of personnel from cable entanglement

Understand:

- When and why procedures for extrication from cable entanglement should be put in place
- Emergency procedures for extrication due to entrapment from cables
- Cable entanglement self-release techniques

### Practical application





**Control measure element**

**Learning outcome**

Extrication of personnel from cable entanglement

Demonstrate the ability to:

- Identify and communicate the presence of cables to personnel entering the hazard area
- Apply service procedures where cables may be present and there may be a risk of cable entanglement
- Establish emergency procedures for cable entanglement
- Self-extricate from cable entanglement
- Rescue personnel from a cable entanglement using service procedures



## Hazard - Hoarding

### Knowledge and understanding

**Hazard**

**Learning outcome**

Hoarding

Understand all associated hazard knowledge



## Control measure - Identify hoarding properties

### TRAINING SPECIFICATION

#### Knowledge and understanding



**Control measure element**

**Learning outcome**

Identify hoarding properties

Understand:

- The signs that hoarding may be occurring in a property
- The procedures to be adopted when hoarding activity is discovered

**Practical application**

**Control measure element**

**Learning outcome**

Identify hoarding properties

Demonstrate the ability to:

- Identify signs of hoarding in properties
- Communicate hoarding activity to relevant others
- Take appropriate action when hoarding activity is discovered



## Control measure - Remove materials

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Control measure element**

**Learning outcome**

Remove materials

Understand:

- Why hoarded material is hazardous
- The legislation applicable to certain premises regarding fire safety and health and safety
- The procedures to be adopted to remove hoarded material from premises

#### Practical application



**Control measure element**

**Learning outcome**

Remove materials

Demonstrate the ability to:

- Use appropriate procedures to remove hoarded material from premises



## Hazard - Fires in tall buildings

**Knowledge and understanding**

**Hazard**

**Learning outcome**

Fires in tall buildings

Understand all associated hazard knowledge



## Control measure - Appropriate intervention: Fires in tall buildings

**TRAINING SPECIFICATION**

**Knowledge and understanding**



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**Control measure element**

**Learning outcome**

Appropriate intervention: Fires in tall buildings

Understand:

- How to use firefighting facilities at fires in tall buildings
- The challenges of effective resourcing at fires in tall buildings
- How the actions of personnel may affect the integrity of escape routes
- How to protect the integrity of escape routes
- Plan evacuation at a fire in a tall building, considering:
  - Limitations of access and egress
  - Availability of staircases
  - Occupancy type and numbers of people
  - Actions of personnel
  - The information being passed by fire control rooms to callers
- How fire service intervention may impact fire engineered solutions
- How to maintain water supplies at fires in tall buildings
- How to effectively coordinate a search at a fire in a tall building
- How to sectorise a fire in a tall building and use bridgeheads and staging areas

**Practical application**



**Control measure element**

**Learning outcome**

Appropriate intervention: Fires in tall buildings

Demonstrate the ability to:

- Use firefighting facilities appropriately at fires in tall buildings
- Protect and maintain escape routes during operational activity at fires in tall buildings
- Use staircases appropriately for evacuation and intervention and communicate their designated use
- Identify when it is appropriate to prioritise evacuation or intervention at fires in tall buildings
- Consider the impact of limited water supplies on intervention and adapt tactical plans accordingly
- Co-ordinate searches of tall buildings



## Control measure - Situational awareness: Fires in tall buildings

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Control measure element**

**Learning outcome**

Situational awareness: Fires in tall buildings

Understand:

- The need to identify the fire floor at fires in tall buildings
- The benefits of external observation at fires in tall buildings
- The impacts that fixed installations and ventilation may have on the incident
- The sources of information that will assist in achieving situational awareness at fires in tall buildings
- The barriers that may affect communication at fires in tall buildings



## Practical application

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### Control measure element

### Learning outcome

Situational awareness: Fires in tall buildings

Demonstrate the ability to:

- Gather information to support situational awareness at fires in tall buildings
- Establish effective communications between internal and external sectors at fires in tall buildings
- Establish effective communications between fire control room and the incident ground at fires in tall buildings
- Use safety officers effectively at fires in tall buildings
- Develop tactical plans that consider the effects of uncontrolled ventilation
- Develop tactical plans for fires in tall buildings that consider the information provided by fire control rooms to callers
- Effectively gather information from credible sources when developing tactical plans



## Hazard - Fires in basements

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### Knowledge and understanding

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#### Hazard

#### Learning outcome

Fires in basements

Understand all associated hazard knowledge



## Control measure - Safe access and egress: Fires in buildings

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## TRAINING SPECIFICATION

### Knowledge and understanding

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#### Control measure element

#### Learning outcome

Safe access and egress: Fires in buildings

Understand:

- The methods of protecting access and egress routes for buildings involved in fire
- The purpose of a building fire strategy
- The purpose of emergency lighting within buildings and its limitations
- The types of lifts used in buildings and their associated standards
- The use of ladders, aerial appliances and firefighting lifts for access and egress in buildings

### Practical application

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#### Control measure element

#### Learning outcome

Safe access and egress: Fires in buildings

Demonstrate the ability to:

- Protect access and egress routes in buildings using appropriate methods
- Identify and operate from firefighting shafts as a primary means of access for firefighting and staging internal operations in buildings
- Control firefighting lifts during incidents considering impact on evacuation
- Use and operate separate routes for access and egress of firefighting personnel and emergency evacuation of residents and members of public for fires in buildings
- Identify and communicate potential security systems and devices which could isolate personnel in risk areas within buildings





Control measure - Appropriate intervention:

## Fires in basements

### TRAINING SPECIFICATION

#### Knowledge and understanding

##### Control measure element

Appropriate intervention: Fires in basements

##### Learning outcome

Understand:

- The various types of basement
- The fixed installations used in basements for firefighting purposes
- The considerations when attending fires in basements
- The procedures to be adopted for fighting fires in basements
- The techniques and equipment used for firefighting in basements

#### Practical application

##### Control measure element

Appropriate intervention: Fires in basements

##### Learning outcome

Demonstrate the ability to:

- Identify the type of basement
- Identify the fixed installations used in basements for firefighting purposes
- Use appropriate procedures for dealing with fires in basements
- Use appropriate techniques and equipment to extinguish fires in basements



## Hazard - Fires in tunnels





## Knowledge and understanding

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### Hazard

Fires in tunnels

### Learning outcome

Understand all associated hazard knowledge



## Control measure - Appropriate intervention: Fire in tunnel

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## TRAINING SPECIFICATION

### Knowledge and understanding

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#### Control measure element

Appropriate intervention: Fire in tunnel

#### Learning outcome

Understand:

- The types of tunnels and their construction
- The fixed installations and safety systems used in tunnels
- The considerations before deciding on the appropriate intervention for fires in tunnels
- The procedures to be adopted for fighting fires in tunnels

### Practical application



**Control measure element**

**Learning outcome**

Appropriate intervention: Fire in tunnel

Demonstrate the ability to:

- Identify the type of tunnel
- Identify the fixed installations used in tunnels for firefighting purposes
- Use appropriate procedures for dealing with fires in tunnels
- Use appropriate techniques and equipment to extinguish fires in tunnels



**Hazard - Fires in buildings with a mezzanine, gallery or raised storage areas**

**Knowledge and understanding**

**Hazard**

**Learning outcome**

Fires in buildings with a mezzanine, gallery or raised storage areas

Understand all associated hazard knowledge



**Control measure - Appropriate intervention: Mezzanine, gallery or raised storage area**

**TRAINING SPECIFICATION**

**Knowledge and understanding**



**Control measure element**

**Learning outcome**

Appropriate intervention: Mezzanine, gallery or raised storage area

Understand:

- The use and construction of mezzanine, gallery and raised storage areas
- The fixed installations and safety systems used in mezzanine, galleries and raised storage areas
- The considerations before deciding on the appropriate intervention for fires in mezzanine, galleries and raised storage areas
- The procedures to be adopted for fighting fires in mezzanine, galleries and raised storage areas

**Practical application**

**Control measure element**

**Learning outcome**

Appropriate intervention: Mezzanine, gallery or raised storage area

Demonstrate the ability to:

- Identify mezzanine, galleries and raised storage areas
- Identify the fixed installations used in mezzanine, galleries and raised storage areas
- Use appropriate procedures for dealing with fires in mezzanine, galleries and raised storage areas
- Use appropriate techniques and equipment to extinguish fires in mezzanine, galleries and raised storage areas



## Hazard - Fires in buildings with a cellular layout

**Knowledge and understanding**

**Hazard**

**Learning outcome**

Fires in buildings with a cellular layout

Understand all associated hazard knowledge



## Control measure - Safe access and egress: Fires in buildings

### TRAINING SPECIFICATION

#### Knowledge and understanding

##### Control measure element

##### Learning outcome

Safe access and egress: Fires in buildings

Understand:

- The methods of protecting access and egress routes for buildings involved in fire
- The purpose of a building fire strategy
- The purpose of emergency lighting within buildings and its limitations
- The types of lifts used in buildings and their associated standards
- The use of ladders, aerial appliances and firefighting lifts for access and egress in buildings

#### Practical application



**Control measure element**

**Learning outcome**

Safe access and egress: Fires in buildings

- Demonstrate the ability to:
- Protect access and egress routes in buildings using appropriate methods
  - Identify and operate from firefighting shafts as a primary means of access for firefighting and staging internal operations in buildings
  - Control firefighting lifts during incidents considering impact on evacuation
  - Use and operate separate routes for access and egress of firefighting personnel and emergency evacuation of residents and members of public for fires in buildings
  - Identify and communicate potential security systems and devices which could isolate personnel in risk areas within buildings



## Control measure - Access concealed spaces

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Control measure element**

**Learning outcome**

Access concealed spaces

- Understand:
- Why it may be necessary to access concealed spaces
  - The most appropriate methods and access points for concealed spaces
  - How accessing concealed spaces may affect:
    - Ventilation
    - Structural integrity
    - Utility supplies



## Practical application

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### Control measure element

### Learning outcome

Access concealed spaces

Demonstrate the ability to:

- Isolate utility supplies before accessing concealed spaces
- Identify the impacts on structural stability before accessing concealed spaces
- Consider the impact of ventilation when accessing concealed spaces
- Implement the appropriate methods of accessing concealed spaces
- Put in place appropriate and sufficient firefighting media when accessing concealed spaces



## Hazard - Fires in buildings with an open-plan layout

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### Knowledge and understanding

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#### Hazard

#### Learning outcome

Fires in buildings with an open-plan layout

Understand all associated hazard knowledge



## Control measure - Appropriate intervention: Fires in building with an open plan layout

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## TRAINING SPECIFICATION

### Knowledge and understanding



**Control measure element**

**Learning outcome**

Appropriate intervention: Fires in building with an open plan layout

Understand:

- The relevant information available from floor plans
- The use and construction of open plan layout buildings
- The fixed installations and safety systems used in open plan layout buildings
- The considerations before deciding on the appropriate intervention for fires in open plan layout buildings
- The procedures to be adopted for fighting fires in open plan layout buildings

**Practical application**

**Control measure element**

**Learning outcome**

Appropriate intervention: Fires in building with an open plan layout

Demonstrate the ability to:

- Identify open plan areas within buildings involved in fire
- Identify the fixed installations used in buildings with an open plan layout
- Use appropriate procedures for dealing with fires in buildings with an open plan layout
- Use appropriate techniques and equipment to extinguish fires in buildings with an open plan layout



## Hazard - Fires in atriums

**Knowledge and understanding**



**Hazard**

**Learning outcome**

Fires in atriums

Understand all associated hazard knowledge



**Control measure - Appropriate intervention:  
Fires in atriums**

**TRAINING SPECIFICATION**

**Knowledge and understanding**

**Control measure element**

**Learning outcome**

Appropriate intervention: Fires in atriums

Understand:

- The use and construction of atriums in buildings
- The fixed installations and safety systems used in atriums
- The considerations before deciding on the appropriate intervention for fires in buildings with atriums
- The procedures to be adopted for fighting fires in atriums

**Practical application**

**Control measure element**

**Learning outcome**

Appropriate intervention: Fires in atriums

Demonstrate the ability to:

- Identify atriums which pass through non-compartmented floors
- Use appropriate procedures for dealing with fires in atriums
- Use appropriate techniques and equipment to extinguish fires in atriums





## Hazard - Fires in auditoriums and stadiums

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### Knowledge and understanding

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Hazard	Learning outcome
Fires in auditoriums and stadiums	Understand all associated hazard knowledge



## Control measure - Appropriate intervention: Fires in auditoriums and stadiums

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### TRAINING SPECIFICATION

### Knowledge and understanding

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Control measure element	Learning outcome
Appropriate intervention: Fires in auditoriums and stadiums	Understand: <ul style="list-style-type: none"><li>• The purpose of building fire control rooms and how they can assist firefighting operations</li><li>• The fixed installations and safety systems used in auditoriums and stadiums</li><li>• The considerations before deciding on the appropriate intervention for fires in auditoriums and stadiums</li><li>• The procedures to be adopted for fighting fires in auditoriums and stadiums</li></ul>



### Practical application



**Control measure element**

**Learning outcome**

Appropriate intervention: Fires in auditoriums and stadiums

Demonstrate the ability to:

- Identify and use auditorium and stadium fire control rooms to assist with firefighting operations
- Identify the fixed installations used in auditoriums and stadiums
- Use appropriate procedures for dealing with fires in auditoriums and stadiums
- Use appropriate techniques and equipment to extinguish fires in auditoriums and stadiums



## Hazard - Fires in buildings with complex fire engineering

**Knowledge and understanding**

**Hazard**

**Learning outcome**

Fires in buildings with complex fire engineering

Understand all associated hazard knowledge



## Control measure - Site-Specific Risk Information (SSRI)

**TRAINING SPECIFICATION**

**Knowledge and understanding**



**Control measure element**

**Learning outcome**

Site-Specific Risk Information (SSRI)

Understand:

- The arrangements for obtaining SSRI
- The information contained within SSRI
- The process for sharing updated information regarding SSRI

**Practical application**

**Control measure element**

**Learning outcome**

Access and use Site Specific Risk Information to inform operational practice

Demonstrate the ability to:

- Access SSRI
- Use SSRI information to identify hazards
- Produce accurate SSRI
- Use service policy to process and amend inaccurate SSRI
- Identify sites that require completion of SSRI
- Perform familiarisation visits involving SSRI
- Perform exercises using SSRI
- Use salvage plans
- Use disaster plans
- Use SSRI to resolve operational incidents
- Identify inaccurate information following an inspection, visit or incident and update SSRI appropriately



## Control measure - 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 - Responsible person: Fires in buildings

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Control measure element**

**Learning outcome**

Responsible person: Fires in buildings

Understand:

- The information a responsible person may be able provide regarding fires in buildings

**Practical application**



**Control measure element**

**Learning outcome**

Responsible person: Fires in buildings

Demonstrate the ability to:

- Gather relevant information regarding fire in a building from a responsible person
- Question the responsible person, other responders and witnesses to understand building fire incident factors and history
- Liaise with the responsible person to identify the fire strategy and evacuation routes for buildings involved in fire



## Control measure - Apply situational awareness: Fires in buildings

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Control measure element**

**Learning outcome**

Apply situational awareness: Fires in buildings

Understand:

- How fire engineered buildings can behave differently during a fire
- The relevant national guidance regarding fire safety in buildings
- Where sources of information can be found regarding a buildings engineered solutions
- The considerations when attending buildings with fire engineered solutions

#### Practical application



**Control measure element**

**Learning outcome**

Apply situational awareness: Fires in buildings

- Demonstrate the ability to:
- Identify the benefits of fire engineering and hazards should they fail
  - Identify security features which may pose additional risk to personnel
  - Identify contingencies to minimise the risks posed by building security features



## Control measure - Implement firefighting contingency arrangements

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Control measure element**

**Learning outcome**

Implement firefighting contingency arrangements

- Understand:
- The contingency arrangements which may be implemented for buildings involved in fire and how to set up and use them safely

#### Practical application

**Control measure element**

**Learning outcome**

Implement firefighting contingency arrangements

- Demonstrate the ability to:
- Set up and safely use appropriate contingencies arrangements using applicable procedures and equipment for fires in buildings





# Control measure - Use integral communications

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## TRAINING SPECIFICATION

### Knowledge and understanding

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Control measure element	Learning outcome
Use integral communications	Understand: <ul style="list-style-type: none"><li>• The types of communications systems used in buildings</li><li>• Where and how integral communications can be used in buildings involved in fire</li><li>• The potential benefits and limitations of integral communications to firefighters when attending fires in buildings</li></ul>



### Practical application

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Control measure element	Learning outcome
Use integral communications	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Identify and make use of integral communications systems</li><li>• Establish an effective system of communication considering distances and the working environment</li><li>• Conduct regular communication checks to ensure equipment continues to function</li><li>• Use fall-back procedures should there be a failure in the communications equipment</li><li>• To maintain the sensitivity of information when broadcasting sensitive information using appropriate systems (e.g. about casualties or fatalities)</li><li>• Identify contingency arrangements should communication systems fail</li></ul>