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Hazard - Inaccurate situational awareness

Knowledge and understanding

Hazard	Learning outcome
Inaccurate situational awareness	Understand all associated hazard knowledge



Control measure - Local knowledge and incident orientation

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Use local knowledge and other available sources of information to become situationally aware	Understand: <ul style="list-style-type: none">• How to gather local knowledge to orientate operational incidents• How to gather information regarding prior knowledge of incidents and surrounding hazards• Reliable sources of information, including control rooms• Relevant information obtained from direct observation

Practical application

Control measure element	Learning outcome
Use local knowledge and other available sources of information to become situationally aware	Demonstrate the ability to: <ul style="list-style-type: none"> • Identify the fire risks within the area of the authority • Map read and use topographical knowledge



Control measure - Site-Specific Risk Information (SSRI)

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Site-Specific Risk Information (SSRI)	Understand: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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 - Liaise with the responsible person: Fires

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Information which can be gathered from the responsible person	Understand the relevant information regarding: <ul style="list-style-type: none"> • Fires in buildings and property • Fires in the open environment

Practical application

Control measure element	Learning outcome
Information which can be gathered from the responsible person	Demonstrate the ability to use appropriate questioning to identify and gather relevant information regarding <ul style="list-style-type: none"> • Fires in buildings • Fires in the open environment



Control measure - Scene survey

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Gather relevant information by carrying out a scene survey	Understand: <ul style="list-style-type: none">• The benefits of conducting a scene survey• Methods of conducting a scene survey• The information which may be gathered

Practical application

Control measure element	Learning outcome
Gather relevant information by carrying out a fire scene survey	Demonstrate the ability to: <ul style="list-style-type: none">• Identify and gather relevant information whilst conducting a fire scene survey according to a clear brief• Report findings of a fire scene survey to relevant personnel



Control measure - Consider using thermal imaging or scanning

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Thermal imaging or scanning to ascertain fire information	Understand: <ul style="list-style-type: none">• The purpose of thermal imaging or scanning• The information thermal imaging can provide• The limitations of thermal imaging equipment

Practical application

Control measure element	Learning outcome
Thermal imaging or scanning to ascertain fire information	Demonstrate the ability to: <ul style="list-style-type: none">• Effectively use thermal imaging equipment or scanning to ascertain fire information



Control measure - Building systems and fixed installations

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Building systems and fixed installations	Understand: <ul style="list-style-type: none">• How building systems and fixed installation may assist fire and rescue services

Practical application

Control measure element	Learning outcome
Building systems and fixed installations	Demonstrate the ability to: <ul style="list-style-type: none"> • Identify and assess the status of building systems and fixed installations



Control measure - Consider using closed-circuit television CCTV

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Use closed-circuit television (CCTV) to assist the fire and rescue service	Understand: <ul style="list-style-type: none"> • Where CCTV can be found and how it can be accessed • How CCTV can be beneficial to the fire and rescue service

Practical application

Control measure element	Learning outcome
Use closed-circuit television (CCTV) to assist the fire and rescue service	Demonstrate the ability to: <ul style="list-style-type: none"> • Identify CCTV systems which may provide information assistance to the incident commander



Control measure - Consider making a forcible entry

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Enter property for the purpose of firefighting activities	<p>Understand the following:</p> <ul style="list-style-type: none">• Legislative provision for fire and rescue services to make forcible entry• Considerations and information required before making a forcible entry• Equipment used to make forcible entry• Techniques used to make forcible entry• Diversity in elements which may be encountered whilst attempting forcible entry• Process for making a forcible entry which is coordinated with the incident plan• Security and communication arrangements following forcible entry

Practical application

Control measure element	Learning outcome
Gain forcible entry property for the purpose of firefighting activities	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none">• Identify and confirm the correct address• Identify when defensive tactics are appropriate• Assess the level of urgency to gain entry• Select the safest and simplest method of gaining entry• Assess the requirement for forcible entry• Assess means of alternative entry• Select and use the appropriate tools to gain entry• Assess the activities of other personnel prior to gaining forced entry• Identify the air flow path once forced entry is made (consider ventilation strategy)



Hazard - Insufficient resources

Knowledge and understanding

Hazard	Learning outcome
Insufficient resources	Understand all associated hazard knowledge



Control measure - Appropriate deployment of resources

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Deployment of resources to minimise risk	Understand the following: <ul style="list-style-type: none">• Effects of congestion on resource deployment• Why arrival of emergency resources should be controlled• Significant hazards and risks associated with resource deployment• Strategic disposition for resource deployment

Practical application

Control measure element	Learning outcome
Deployment of resources to minimise risk and maximise efficiency	Demonstrate the ability to: <ul style="list-style-type: none"> • Identify hazards and risks associated with the deployment of resources at incidents involving fire • Identify inefficient use of resources



Control measure - Additional resources: Fires and firefighting

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Fire and rescue service available firefighting resources	Understand the following: <ul style="list-style-type: none"> • Resources available to the fire service • Capabilities of all available fire service resources

Practical application

Control measure element	Learning outcome
Fire and rescue service, available firefighting resources	Demonstrate the ability to: <ul style="list-style-type: none"> • Identify priority tasks • Identify tasks which require additional resources



Control measure - Specialist resources and advisers

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Available specialist advisers and resources	Understand the following: <ul style="list-style-type: none">• Specialist resources, including external agencies and support services• Capabilities of all available specialist resources

Practical application

Control measure element	Learning outcome
Specialist advisers and resources	Demonstrate the ability to: <ul style="list-style-type: none">• Identify which specialist resources are required



Control measure - Water and extinguishing media management and planning

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Water management and planning for firefighting purposes	Understand the following: <ul style="list-style-type: none"> • Legislative provision for water used for firefighting purposes • Estimating water requirements • Calculating water requirements • Purpose of a water plan • Methods of water delivery • Requirement of a competent pump operator • Other available systems to support water delivery • Factors to consider when estimating water requirements • Sources of water for water undertakers • Fundamental methods of conveying water to the fire ground • Considerations for determining the most appropriate strategy for conveying water • Use of emergency fire vehicles including high volume pumping • Water relay system • Water carrying and water shuttle systems

Practical application

Control measure element	Learning outcome
Water management and planning	Demonstrate the ability to: <ul style="list-style-type: none"> • Identify appropriate sources of water • Assist others to set up appropriate water management systems • Estimate water requirements for firefighting purposes • Calculate water requirements for firefighting purposes • Use appropriate water distribution supplies • Supply water to the fireground • Use emergency fire vehicles – tank supply • Set up and use water relay • Calculate the requirement for water carrying or water shuttle



Hazard - Fire and thermal radiation

Knowledge and understanding

Hazard	Learning outcome
Fire and thermal radiation	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: <ul style="list-style-type: none">• 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: <ul style="list-style-type: none"> • Carry out a personal assessment of risk to justify offensive or defensive tactics



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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • Identify potential ignition sources • Select and use appropriate methods to eliminate or control ignition sources



Control measure - Select an appropriate firefighting

method

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Use the appropriate method to effectively and efficiently extinguish fire	Understand the following regarding incidents involving fire: <ul style="list-style-type: none">• Fire tetrahedron• Physics of combustion• Chemistry of combustion• Classification of fires• Methods of extinguishing fire

Practical application

Control measure element	Learning outcome
Select the correct firefighting method	Demonstrate the ability to: <ul style="list-style-type: none">• Select appropriate firefighting methods for various situations and classifications of fire• Use cooling to fight fire• Use smothering to fight fire• Use starvation to fight fire• Assess the status of other firefighting activities to justify current actions and ensure safe working practices



Control measure - Select appropriate firefighting media

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Use the appropriate media to effectively and efficiently extinguish fire	Understand the use of the following: <ul style="list-style-type: none">• Water• Foam• Dry chemical powders• Carbon dioxide, vaporising liquids and inert gases

Practical application

Control measure element	Learning outcome
Select the correct firefighting media	Demonstrate the ability to: <ul style="list-style-type: none">• Select appropriate firefighting media for various situations and classifications of fire• Use water to extinguish fire• Use foam to extinguish fire• Use dry chemical powder to extinguish fire• Use carbon dioxide, vaporising liquids and inert gases to extinguish fire• Assess the status of other firefighting activities to justify current actions and ensure safe working practices



Control measure - Select the appropriate firefighting technique

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Use the appropriate technique to effectively and efficiently extinguish fire	Understand the following techniques: <ul style="list-style-type: none"> • Gas cooling • Direct firefighting • Controlled burning • Firebreaks • Using flow rates

Practical application

Control measure element	Learning outcome
Select the correct firefighting techniques	Demonstrate the ability to: <ul style="list-style-type: none"> • Select appropriate firefighting techniques for various situations and classifications of fire • Perform gas cooling • Perform direct firefighting • Perform controlled burning • Use firebreaks • Use flow rates • Assess the status of other firefighting activities to justify current actions and ensure safe working practices



Control measure - Gas cooling

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Maintain a safe working area and minimise risk by gas cooling	Understand the following: <ul style="list-style-type: none"> • Efficient cooling of fire gas using water (spray/mist) • Methods of achieving efficient fire gas cooling

Practical application

Control measure element	Learning outcome
Gas cooling	Demonstrate the ability to: <ul style="list-style-type: none"> • Assess the requirement for gas cooling • Select and use appropriate methods, equipment and media for achieving efficient gas cooling



Control measure - Firebreaks and fuel breaks

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Firebreaks and fuel breaks	Understand: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Expose fire by cutting away	Understand the following: <ul style="list-style-type: none"> • Circumstances when cutting away is/is not appropriate • Appropriate methods for cutting away • Appropriate equipment for cutting away

Practical application

Control measure element	Learning outcome
Cutting away	Demonstrate the ability to: <ul style="list-style-type: none"> • 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

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Controlled burning	Understand: <ul style="list-style-type: none">• 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: <ul style="list-style-type: none">• Use equipment to accelerate burning in line with service procedures• Protect surroundings during a controlled burn



Control measure - Select appropriate firefighting equipment

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Use the appropriate equipment to effectively and efficiently extinguish fire	Understand the following: <ul style="list-style-type: none">• Portable fire extinguishers• Hose• Branches and nozzles• Monitors

Practical application

Control measure element	Learning outcome
Select the correct firefighting equipment	Demonstrate the ability to: <ul style="list-style-type: none">• Select appropriate firefighting media for various situations and classifications of fire• Assess the status of other firefighting activities to justify current actions and ensure safe working practices



Control measure - Personal protective equipment (PPE)

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Use appropriate personal protective equipment (PPE)	Understand the following: <ul style="list-style-type: none">• Use of appropriate PPE when worn in fire situations• The benefits and limitations of PPE when worn in fire situations

Practical application

Control measure element	Learning outcome
Personal protective equipment (PPE)	Demonstrate the ability to: <ul style="list-style-type: none">• Select and wear appropriate PPE for all activities involving fire• Select and use PPE in the appropriate manner whilst performing all tasks involving fire



Control measure - Respiratory protective equipment (RPE)

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Respiratory protective equipment (RPE)	Understand: <ul style="list-style-type: none">• 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: <ul style="list-style-type: none"> • 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 - Flashover, backdraught and fire gas ignition

Knowledge and understanding

Hazard	Learning outcome
Flashover, backdraught and fire gas ignition	Understand all associated hazard knowledge



Control measure - Understand signs and symptoms of flashover

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Identify and react to signs and symptoms of flashover	Understand the following: <ul style="list-style-type: none"> • Signs indicative of potential flashover • Methods of safely dealing with potential flashover conditions

Practical application

Control measure element	Learning outcome
Understand signs and symptoms of flashover	Demonstrate the ability to: <ul style="list-style-type: none"> • Conduct an external assessment to identify flashover conditions • Control developing fire and fires gases as part of coordinated team • Perform actions to rapidly cool the environment • Select and use appropriate equipment and techniques to effectively deal with flashover conditions



Control measure - Understand signs and symptoms of backdraught

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Identify and react to signs and symptoms of backdraught	Understand the following: <ul style="list-style-type: none"> • Signs indicative of potential backdraught • Methods of safely dealing with potential backdraught conditions

Practical application

Control measure element	Learning outcome
Understand signs and symptoms of backdraught	Demonstrate the ability to: <ul style="list-style-type: none"> • Conduct an external assessment to identify backdraught conditions • Control fires gases as part of coordinated team • Perform actions to limit the effects of uncontrolled ventilation • Select and use appropriate equipment and techniques to effectively deal with backdraught conditions



Control measure - Personal protective equipment (PPE)

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Use appropriate personal protective equipment (PPE)	Understand the following: <ul style="list-style-type: none"> • Use of appropriate PPE when worn in fire situations • The benefits and limitations of PPE when worn in fire situations

Practical application

Control measure element	Learning outcome
Personal protective equipment (PPE)	Demonstrate the ability to: <ul style="list-style-type: none"> • Select and wear appropriate PPE for all activities involving fire • Select and use PPE in the appropriate manner whilst performing all tasks involving fire



Hazard - Uncontrolled ventilation

Knowledge and understanding

Hazard	Learning outcome
Uncontrolled ventilation	Understand all associated hazard knowledge



Control measure - Consider employing tactical ventilation

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Employing tactical ventilation to assist firefighting activities	Understand the following: <ul style="list-style-type: none">• The term 'tactical ventilation'• When and why ventilation is used• Types of ventilation• Techniques used to achieve effective ventilation• Ventilation strategies• Wind driven fires and associated phenomena• Post fire considerations

Practical application

Control measure element	Learning outcome
Consider employing tactical ventilation	Demonstrate the ability to: <ul style="list-style-type: none"> • Identify situations where ventilation is appropriate • Set up and operate appropriate systems of natural and forced ventilation



Hazard - Smoke and fire gases

Knowledge and understanding

Hazard	Learning outcome
Smoke and fire gases	Understand all associated hazard knowledge



Control measure - Consider employing tactical ventilation

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Employing tactical ventilation to assist firefighting activities	Understand the following: <ul style="list-style-type: none"> • The term 'tactical ventilation' • When and why ventilation is used • Types of ventilation • Techniques used to achieve effective ventilation • Ventilation strategies • Wind driven fires and associated phenomena • Post fire considerations

Practical application

Control measure element	Learning outcome
Consider employing tactical ventilation	Demonstrate the ability to: <ul style="list-style-type: none"> • Identify situations where ventilation is appropriate • Set up and operate appropriate systems of natural and forced ventilation



Control measure - Personal protective equipment (PPE)

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Personal protective equipment (PPE)	Understand: <ul style="list-style-type: none"> • The relevant legislation regarding PPE • The uses and limitations of all role related personal protective equipment • PPE compatibility • PPE maintenance, cleaning and decontamination procedures

Practical application

Control measure element	Learning outcome
Personal protective equipment (PPE)	Demonstrate the ability to: <ul style="list-style-type: none"> • Wear and use the appropriate level of PPE identified by service risk assessments • Wear and use the appropriate level off PPE, throughout an incident, as identified by service risk assessment • Maintain PPE as prescribed by service procedure • Recognise potential contamination of equipment and PPE and follow service procedures



Control measure - Respiratory protective equipment (RPE)

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Respiratory protective equipment (RPE)	<p>Understand:</p> <ul style="list-style-type: none"> • 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 <p>Refer to control measure – Personal protective equipment (PPE)</p> <p>For further training specifications regarding self-contained breathing apparatus see – Breathing apparatus training specification</p>

Practical application

Control measure element	Learning outcome
Respiratory protective equipment (RPE)	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> • 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 <p>Refer to control measure – Personal protective equipment (PPE)</p> <p>For further training specifications regarding self-contained breathing apparatus see – Breathing apparatus training specification</p>



Hazard - Live utilities

Knowledge and understanding

Hazard	Learning outcome
Live utilities	Understand all associated hazard knowledge



Control measure - Consider isolating utilities

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Safe isolation of utilities to minimise risk	Understand the following: <ul style="list-style-type: none"> • Reasons why identification and isolation of utilities should be prioritised • Considerations prior to isolating utilities

Practical application

Control measure element	Learning outcome
Consider isolating utilities	Demonstrate the ability to: <ul style="list-style-type: none"> • Identify the location and type of utilities in use • Identify the specific hazards associated with isolation • Communicate to relevant others when utilities have been isolated • Identify the potential for reconnection of any isolated utility



Hazard - Fires involving flammables, explosives and combustible dusts

Knowledge and understanding

Hazard	Learning outcome
Fires involving flammables, explosives and combustible dusts	Understand all associated hazard knowledge Refer to National Operational Guidance: Hazardous materials Physical hazards and Hazardous materials Physical hazards training specification



Hazard - Preventable damage

Knowledge and understanding

Hazard	Learning outcome
Preventable damage	Understand all associated hazard knowledge



Control measure - Use on-site salvage plans or expertise

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Make use on-site salvage plans or expertise to minimise damage	Understand the following: <ul style="list-style-type: none">• Information contained within salvage plans• Where expertise can be sought and used as a resource

Practical application

Control measure element	Learning outcome
Use on-site salvage plans or expertise	Demonstrate the ability to: <ul style="list-style-type: none"> • Evaluate salvage plans for specific property • Follow advice from salvage experts



Control measure - Tactical planning - Damage control

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Damage control as part of the incident tactical plan	Understand the following: <ul style="list-style-type: none"> • When and why damage control is considered • How planning can enable greater damage control • Information required to control damage • Sources of relevant information regarding damage control

Practical application

Control measure element	Learning outcome
Tactical planning - Damage control planning	Demonstrate the ability to: <ul style="list-style-type: none"> • Identify and prioritise items and areas to be protected and/or salvaged • Perform tasks as part of a damage control team



Control measure - Removal of valuables

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Remove valuable property from at risk areas	Understand the following: <ul style="list-style-type: none">• Methods of removing valuable items• Methods of recording the movement of valuable items

Practical application

Control measure element	Learning outcome
Removal of valuables	Demonstrate the ability to: <ul style="list-style-type: none">• Select and use appropriate methods for removing valuable items• Select and use appropriate methods of recording the movement of valuable items



Control measure - Protection of valuables

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Protect valuable property from the effects of fire and firefighting	Understand the following: <ul style="list-style-type: none">• Methods of preventing damage to valuables

Practical application

Control measure element	Learning outcome
Protection of valuables	Demonstrate the ability to: <ul style="list-style-type: none">• Select and use appropriate methods of preventing damage to valuables



Control measure - Close doors

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Close doors to minimise the damaging effects of fire and smoke	Understand the following: <ul style="list-style-type: none">• The benefits of closing doors within a building• The limitations and risks of closing doors within a building

Practical application

Control measure element	Learning outcome
Close doors	Demonstrate the ability to: <ul style="list-style-type: none">• Identify areas which may be protected by the closing of doors• Identify the potential effects of closing doors



Control measure - Minimal use of firefighting media

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Use appropriate amounts of firefighting media to minimise damage	Understand the following: <ul style="list-style-type: none">• The importance of balancing damage caused by fire against damage caused by firefighting media• The hazards of applying large volumes of firefighting media

Practical application

Control measure element	Learning outcome
Minimal use of firefighting media	Demonstrate the ability to: <ul style="list-style-type: none">• Identify situations where a reduction in the use of firefighting media is appropriate



Control measure - Mitigation

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Prevent or limit the effects of fire and smoke	Understand the following: <ul style="list-style-type: none">• Legislative provision for fire and rescue services to prevent or limit damage• Methods to prevent or limit damage to property

Practical application

Control measure element	Learning outcome
Mitigation	Demonstrate the ability to: <ul style="list-style-type: none"> • Select and use appropriate firefighting methods and equipment to prevent or limit damage



Hazard - Compromised investigations and scene preservation

Knowledge and understanding

Hazard	Learning outcome
Compromised investigations and scene preservation	Understand all associated hazard knowledge



Control measure - Scene security

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Secure the scene to assist fire investigation	Understand: <ul style="list-style-type: none"> • The importance of maintaining lifesaving activities and fire service statutory duties where an investigation may be carried out • The considerations when securing an incident scene for investigation • The importance of maintaining strict cordon controls during an investigation • Methods of scene preservation • Protocols when liaising with other agencies

Practical application

Control measure element	Learning outcome
Preserve evidence to assist fire investigation	Demonstrate the ability to: <ul style="list-style-type: none"> • Secure the scene to ensure evidence is preserved for internal and external investigations



Control measure - Evidence preservation

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Preserve evidence to assist fire investigation	Understand: <ul style="list-style-type: none"> • Procedures for carrying out investigations through to conclusion • Preservation of evidence for investigation purposes

Practical application

Control measure element	Learning outcome
Preserve evidence	Demonstrate the ability to: <ul style="list-style-type: none">• Adopt good scene preservation and practices at all stages of an incident• Preserve evidence and avoid movement of working parts• Record information relevant to original state of the incident• Communicate scene and evidence preservation considerations to relevant personnel• Identify and request police and/or fire scene investigator(s)



Control measure - Consider using closed-circuit television (CCTV)

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Consider using closed-circuit television (CCTV)	Understand: <ul style="list-style-type: none">• How CCTV may be used to support the investigation of an incident

Practical application

Control measure element	Learning outcome
Closed-circuit television	Demonstrate the ability to: <ul style="list-style-type: none">• Access and secure CCTV footage for subsequent investigations



Control measure - Powers of entry to investigate

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Powers of entry to investigate	Understand: <ul style="list-style-type: none">• The legislation that affords authorised firefighters the power to enter premises• The local guidance and procedures for arrangements regarding powers of entry when assisting the police investigation of a fire scene• The role of the fire service when conducting fire investigations• The role of the police when conducting fire investigations

Practical application

Control measure element	Learning outcome
Powers of entry to investigate	Demonstrate the ability to: <ul style="list-style-type: none">• Communicate effectively with those responsible, in order to gain entry in accordance with legislation



Control measure - Investigation

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Investigation	Understand: <ul style="list-style-type: none"> • Levels of fire investigation and responsible roles • How information from investigations informs future learning • The role of the police in an investigation • The role of the health and safety executive in an investigation • Multi-agency considerations during an investigation • The considerations for individuals during an investigation

Practical application

Control measure element	Learning outcome
Investigation	Demonstrate the ability to: <ul style="list-style-type: none"> • Undertake fire investigation at a level appropriate to the circumstances of the incident



Control measure - Consider using thermal imaging or scanning

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Thermal imaging or scanning to ascertain fire information	Understand: <ul style="list-style-type: none"> • The purpose of thermal imaging or scanning • The information thermal imaging can provide • The limitations of thermal imaging equipment

Practical application

Control measure element	Learning outcome
Thermal imaging or scanning to ascertain fire information	Demonstrate the ability to: <ul style="list-style-type: none"> Effectively use thermal imaging equipment or scanning to ascertain fire information



Control measure - Personal protective equipment (PPE)

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Personal protective equipment (PPE)	Understand: <ul style="list-style-type: none"> The relevant legislation regarding PPE The uses and limitations of all role related personal protective equipment PPE compatibility PPE maintenance, cleaning and decontamination procedures

Practical application

Control measure element	Learning outcome
Personal protective equipment (PPE)	Demonstrate the ability to: <ul style="list-style-type: none"> Wear and use the appropriate level of PPE identified by service risk assessments Wear and use the appropriate level off PPE, throughout an incident, as identified by service risk assessment Maintain PPE as prescribed by service procedure Recognise potential contamination of equipment and PPE and follow service procedures



Control measure - Respiratory protective equipment (RPE)

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Respiratory protective equipment (RPE)	<p>Understand:</p> <ul style="list-style-type: none">• 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 <p>Refer to control measure – Personal protective equipment (PPE)</p> <p>For further training specifications regarding self-contained breathing apparatus see – Breathing apparatus training specification</p>

Practical application

Control measure element	Learning outcome
Respiratory protective equipment (RPE)	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> • 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 <p>Refer to control measure – Personal protective equipment (PPE)</p> <p>For further training specifications regarding self-contained breathing apparatus see – Breathing apparatus training specification</p>



Control measure - Cutting away

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Expose fire by cutting away	<p>Understand the following:</p> <ul style="list-style-type: none"> • Circumstances when cutting away is/is not appropriate • Appropriate methods for cutting away • Appropriate equipment for cutting away

Practical application

Control measure element	Learning outcome
Cutting away	Demonstrate the ability to: <ul style="list-style-type: none"> • 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 - Establish cause of fire

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Establish the cause of fire	Understand the following: <ul style="list-style-type: none"> • Establishing the cause of fire • Initial assessment • Scientific method of investigation • Standard of proof • Locating the origin of the fire • Considerations for establishing an area of interest • Excavating the area of interest • Checking the hypothesis • Resources and tools • Reference sources

Practical application

Control measure element	Learning outcome
Establish cause	Demonstrate the ability to: <ul style="list-style-type: none"> • Identify and communicate potential causes of fire including internal and external evidence and/or activity



Control measure - Incident handover

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Incident handover	Understand: <ul style="list-style-type: none"> • Factors that influence the type of incident handover • What information should be included in an incident handover where an investigation may take place • The protocol to be applied when handing over an incident investigation to another agency • The protocols for formal and informal liaison processes • The considerations for physical transfer of the scene between agencies

Practical application

Control measure element	Learning outcome
Incident handover	Demonstrate the ability to: <ul style="list-style-type: none"> • Hand over responsibility for scene security to the appropriate responsible person or agency • Inform the appropriate responsible person of all relevant information Refer to Incident commander communication – Incident command training specification



Control measure - Written reports

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Written reports	<p>Understand</p> <ul style="list-style-type: none">• The importance of recording accurate, clear and unbiased information• What information should be recorded• How legislation shapes official report writing• Types of documents:<ul style="list-style-type: none">- Informal contemporaneous notes- Formally structured data gathering documents- Contemporaneous note books- Sketch plans, diagrams and photographs• The importance of signing and dating all types of records

Practical application

Control measure element	Learning outcome
Written reports	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none">• Record relevant incident information in an appropriate format



Control measure - Attend coroner's court (or equivalent)

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Attend coroner's court	Understand: <ul style="list-style-type: none">• The aim of an inquest (or equivalent)• The role of fire service personnel at an inquest (or equivalent)• How information should be imparted during an inquest (or equivalent)• The relevant inquest (or equivalent) process

Practical application

Control measure element	Learning outcome
Attend coroner's court (or equivalent)	Demonstrate the ability to: <ul style="list-style-type: none">• Prepare evidence and records to a standard appropriate for scrutiny at an inquest or inquiry



Control measure - Highlight trends

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Highlight trends	Understand: <ul style="list-style-type: none">• All available information and systems that identify trends• The importance of liaison with other services and agencies to identify trends• Monitoring of impact on trends to assure effectiveness of interventions

Practical application

Control measure element	Learning outcome
Identify trends	Demonstrate the ability to: <ul style="list-style-type: none">• Use available systems to actively identify incident trends• Share relevant incident investigation information with other appropriate agencies



Control measure - Operational learning

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Operational learning	Understand: <ul style="list-style-type: none">• How operational learning promotes learning• The purpose of:<ul style="list-style-type: none">• Debriefs• Investigations• Operational assurance process Refer to National Operational Learning: Good practice guide for fire and rescue services

Practical application

Control measure element	Learning outcome
Operational learning	Demonstrate the ability to: <ul style="list-style-type: none">• Record and share significant findings from incident and investigations to inform future practice Refer to National Operational Learning – Good practice guide for fire and rescue services



Control measure - Accurate records and statements

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Accurate records and statements	Understand: <ul style="list-style-type: none">• Procedures for recording/logging incident information• The expectations of individuals to provide witness statements

Practical application

Control measure element	Learning outcome
Accurate records and statements	Demonstrate the ability to: <ul style="list-style-type: none">• Use service procedures to record information and witness statements to inform future investigations• Record relevant information in a timely manner