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## All Transport



## Hazard - Transport incidents

### Knowledge and understanding

Hazard	Learning outcome
Transport incidents	Understand all associated hazard knowledge



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

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Produce Site-Specific Risk Information (SSRI) and emergency response plans	Understand: <ul style="list-style-type: none"><li>• The considerations when developing Site-Specific Risk Information for transport systems</li></ul> Refer to <a href="#">Site Specific Risk Information – Operations training specification</a>

#### Practical application

Control measure element	Learning outcome
Use of Site-Specific Risk Information (SSRI)	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Access and review SSRI to inform a safe and effective tactical plan</li> </ul> Refer to <a href="#">Site Specific Risk Information – Operations training specification</a>



## Control measure - Emergency response plans: Transport

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Emergency response plans: Transport	Understand: <ul style="list-style-type: none"> <li>• The purpose of pre-planning for all types of transport incidents</li> <li>• The information that may be included in emergency response plans for all types of transport incidents: <ul style="list-style-type: none"> <li>- Air</li> <li>- Rail</li> <li>- Road</li> <li>- Waterways</li> </ul> </li> </ul> Refer to <a href="#">Emergency response plans – Operations training specification</a>

#### Practical application



Control measure element	Learning outcome
Emergency response plans: Transport	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Identify, access and use emergency response plans in the transport environment</li> </ul> Refer to <a href="#">Emergency response plans – Operations training specification</a>



## Control measure - Make a safe and controlled approach to the incident

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Make a safe and controlled approach to the incident	Understand: <ul style="list-style-type: none"> <li>• The considerations for safe and effective access to transport incidents</li> <li>• The hazards associated with approaching incidents involving transport systems</li> <li>• When rendezvous points (RVPs) or strategic holding areas may be required</li> <li>• The legislation relating to displaying appropriate warning beacons at incidents</li> <li>• The equipment used to display appropriate warning beacons</li> <li>• How to interpret location markers for different incident types</li> </ul>

#### Practical application

Control measure element	Learning outcome
Make a safe and controlled approach to the incident	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Identify suitable access routes and RVPs using SSRI</li> <li>• Communicate incident access point(s) and RVP information to other emergency responders</li> </ul>



## Control measure - Situational awareness: Transport

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Situational awareness: Transport	Understand: <ul style="list-style-type: none"> <li>• How the size of the scene and physical geography may affect how a scene survey is completed</li> <li>• Alternative methods of scene survey</li> <li>• The range of information sources that may be available at each type of transport incident</li> <li>• How to gather information from available sources</li> <li>• The considerations when gathering information</li> <li>• How to access and use vehicle data system information</li> </ul> Refer to <a href="#">Situational awareness – Incident command training specification</a>

#### Practical application

Control measure element	Learning outcome
Situational awareness: Transport	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Identify and gather information from a range of sources to gain accurate situational awareness</li> <li>• Communicate appropriate information to the relevant people/agency</li> </ul> Refer to <a href="#">Situational awareness – Incident command training specification</a>



## Control measure - Use tactical advisers and responsible person

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Use tactical advisers and responsible person	Understand: <ul style="list-style-type: none"> <li>• The importance of gathering information from the appropriate person/authority</li> <li>• How to evaluate the accurate and relevant information a responsible person or agency may provide at a transport incident</li> <li>• The role of tactical advisers and/or responsible person at each type of transport incident</li> <li>• The role of other agencies and associated attending officers at incidents</li> </ul> Refer to <a href="#">Specialist advice – Incident command training specification</a>

#### Practical application

Control measure element	Learning outcome
Use tactical advisers and responsible person	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Liaise with responsible persons' to develop an operational plan</li> <li>• Request and liaise with a tactical adviser relative to the mode of transport involved</li> </ul> Refer to <a href="#">Specialist advice – Incident command training specification</a>



## Control measure - Establish appropriate cordons: Transport

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Understand: <ul style="list-style-type: none"> <li>• Cordon size may be set by the incident, the mode of transport or its cargo</li> <li>• The considerations when establishing cordons at each type of transport incident</li> </ul> Refer to <a href="#">Establish appropriate cordon controls – Incident command training specification</a>

#### Practical application

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Establish and monitor cordons, appropriate to the mode of transport</li> <li>• Restrict, record and manage access/egress to scene of operations</li> </ul> Refer to <a href="#">Establish appropriate cordon controls – Incident command training specification</a>



## Control measure - Ensure effective multi-agency working

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Ensure effective multi-agency working	Understand: <ul style="list-style-type: none"> <li>• The principles of joint working in the multi-agency environment</li> <li>• The need to establish effective communications with other agencies</li> <li>• Methods of sharing information with other agencies</li> </ul> Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>

#### Practical application

Control measure element	Learning outcome
Ensure effective multi agency working	Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>



## Hazard - Unstable mode of transport

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### Knowledge and understanding

Hazard	Learning outcome
Unstable mode of transport	Understand all associated hazard knowledge



## Control measure - Assess stability

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Assess stability	Understand: <ul style="list-style-type: none"><li>• How to assess the stability of a craft or vehicle</li><li>• How insecure loads and affected infrastructure affect stability</li><li>• How operational activity affects stability of a craft/vehicle</li></ul>

#### Practical application

Control measure element	Learning outcome
Assess stability	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Identify and assess the stability of craft or vehicles and affected infrastructure</li> <li>• Establish appropriate cordons considering how an unstable vehicle may move</li> <li>• Communicate hazard and risk information to emergency responders</li> </ul>



## Control measure - Manage pressurised air systems

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Manage pressurised air systems	Understand: <ul style="list-style-type: none"> <li>• How pneumatic systems may impact the stability of a craft or vehicle</li> <li>• The hazards posed by pneumatic systems on crafts/vehicles</li> <li>• How to identify mechanical interlocks and safety systems on crafts/vehicles</li> <li>• How mechanical interlocks and built in safety systems can be used to assist scene safety</li> </ul>

#### Practical application

Control measure element	Learning outcome
Manage pressurised air systems	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Identify pressurised air systems and assess their integrity</li> <li>• Gather information regarding the operation and isolation of pressurised air systems</li> <li>• Communicate the hazards of pressurised air systems to relevant people</li> <li>• Establish appropriate cordons where there is risk relating to pressurised air systems</li> </ul>



## Control measure - Stabilise the mode of transport

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Stabilise the mode of transport	Understand: <ul style="list-style-type: none"> <li>• Appropriate stabilisation techniques for different craft or vehicles</li> <li>• When specialist knowledge or resources are required to stabilise craft/vehicles</li> <li>• The properties of a good stabilisation method</li> <li>• Why stabilisation should be checked regularly</li> </ul> See <a href="http://www.ukro.org/education/ukro-workshops/lgv-rescues/">www.ukro.org/education/ukro-workshops/lgv-rescues/</a>

#### Practical application



Control measure element	Learning outcome
Stabilise the mode of transport	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Apply the properties of a good stabilisation method</li> <li>• Identify and request the resources required to implement an effective stabilisation plan</li> <li>• Monitor and assess the stability of a vehicle or craft</li> </ul>



## Hazard - Fuel and electrical systems

### Knowledge and understanding

Hazard	Learning outcome
Fuel and electrical systems	Understand all associated hazard knowledge



## Control measure - Identify and isolate electrical systems

### TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Identify and isolate electrical systems	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The power sources used in crafts/vehicles</li> <li>• The primary functions of craft or vehicle electrical systems</li> <li>• Where electricity isolation switches may be located</li> <li>• How electrical systems can be shut down and isolated safely</li> <li>• Who should isolate electrical systems</li> <li>• The need to document decisions taken to isolate electrical systems</li> </ul>

### Practical application

Control measure element	Learning outcome
Identify and isolate electrical systems	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify the location of electricity isolation points on craft or vehicles</li> <li>• Assess the risk associated with shutting down electrical systems in crafts/vehicles</li> <li>• Isolate electrical systems when appropriate</li> <li>• Inform relevant people of risks where electrical systems have not been shut down</li> </ul>



## Control measure - Identify and isolate fuel systems

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Identify and isolate fuel systems	Understand: <ul style="list-style-type: none"> <li>• Where fuel isolation switches may be located</li> <li>• How fuel isolation switches can be activated on craft or vehicles</li> <li>• Who should isolate fuel systems on craft or vehicles</li> <li>• How to identify a craft or vehicle fuel type</li> </ul>

**Practical application**

Control measure element	Learning outcome
Identify and isolate fuel systems	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Identify the type of fuel being used in a craft or vehicle</li> <li>• Isolate fuel via shut off valves</li> <li>• Control ignition sources</li> <li>• Record any movement of controls for accident investigation purposes</li> </ul>



**Hazard -  
Construction materials: Transport**

**Knowledge and understanding**

Hazard	Learning outcome
Construction materials: Transport	Understand all associated hazard knowledge



**Control measure -  
Identify and communicate vehicle  
or craft construction materials**

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Communicate vehicle/craft construction materials to relevant people	Understand: <ul style="list-style-type: none"><li>• How to identify the material used in craft or vehicle construction</li><li>• The methods used to communicate hazard information to relevant personnel</li></ul>

### Practical application

Control measure element	Learning outcome
Communicate vehicle/craft construction materials to relevant people	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Use a range of information sources to identify the materials used in craft or vehicles involved in incidents</li><li>• Communicate relevant design and construction information to other emergency responders</li></ul>



## Control measure - Avoid manipulation or damage to composite materials

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## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Avoid manipulation or damage to composite materials	Understand: <ul style="list-style-type: none"> <li>• The dangers associated with materials containing damaged composite materials</li> <li>• Safe systems of work that can be employed to mitigate the effects of damaged composite materials</li> </ul>

### Practical application

Control measure element	Learning outcome
Avoid manipulation or damage to composite materials	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Develop and communicate a tactical plan that minimises the level of risk from composite materials</li> <li>• Establish safe systems of work in the vicinity of composite materials</li> </ul>



## Control measure - Apply fine water spray or foam

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Apply fine water spray or foam	Understand: <ul style="list-style-type: none"> <li>• The benefits of applying fine water spray or foam where composite materials on craft or vehicles are badly damaged</li> <li>• Methods of applying fine water spray or foam</li> </ul> Refer to <a href="#">Fires and firefighting training specification</a> Refer to <a href="#">Environmental Protection training specification</a>

#### Practical application

Control measure element	Learning outcome
Apply fine water spray or foam	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Apply fine water spray or foam blankets to minimise risk from airborne particulates</li> <li>• Establish decontamination procedures following exposure to airborne particulates</li> </ul> Refer to <a href="#">Fires and firefighting training specification</a> Refer to <a href="#">Environmental Protection training specification</a>



## Hazard - People

### Knowledge and understanding

Hazard	Learning outcome
People	Understand all associated hazard knowledge



## Control measure - Seek assistance for dealing with people

### TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Seek assistance for dealing with people	Understand:  Available assistance and processes for: <ul style="list-style-type: none"> <li>• Providing welfare or shelter</li> <li>• Controlling members of the public</li> <li>• Dealing with unpredictable, aggressive, violent or illegal behaviour</li> </ul>

### Practical application

Control measure element	Learning outcome
Seek assistance for dealing with people	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Request appropriate assistance for dealing with people</li> <li>• Adopt defensive tactics when people are demonstrating, unpredictable, aggressive, violent or illegal behaviour</li> <li>• Provide timely and appropriate advice to members of the public</li> </ul>



## Control measure - Evacuation and shelter

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Evacuation of people	Understand: <ul style="list-style-type: none"> <li>• The hazards and risks associated with emergency evacuation</li> <li>• The potential behaviour of people in emergency situations</li> <li>• The emergency evacuation procedures for differing situations</li> <li>• The considerations for incorporating evacuation procedures into incident plans</li> <li>• The impact of disruption to transport networks whilst dealing with large numbers of people at transport related incidents</li> <li>• The wider impact of dealing with significant numbers of evacuated people</li> </ul>

### Practical application

Control measure element	Learning outcome
Use appropriate systems to maintain the safety of people	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Liaise with the responsible person to obtain advice relating to evacuation arrangements</li> <li>• Identify where 'evacuation' or 'stay put' is appropriate and record rationale for decision</li> <li>• Perform an evacuation according to agreed service protocols</li> <li>• Recognise where the involvement of other agencies is required to assist evacuation</li> <li>• Identify the availability of emergency plans that support an evacuation</li> <li>• Develop an evacuation strategy using available information</li> <li>• Identify safe egress routes and refuge points</li> <li>• Identify where the behaviour of people may affect an evacuation</li> <li>• Put in place control measures to limit hazards to public and staff during evacuation</li> <li>• Establish welfare arrangements for people evacuated from transport incidents</li> </ul>





# Control measure - Warn, inform and advise people

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## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Warning, informing and advising people	<p>Understand:</p> <ul style="list-style-type: none"><li>• The relevant legislation regarding emergency services obligations to warn, inform and advise the public</li><li>• The groups of people who may require warning, information, instruction and updates</li><li>• How appropriate warning, information, instruction and updates affect behaviours of people in emergency situations</li><li>• How lack of appropriate warning, information, instruction and updates affect behaviours of people in emergency situations</li><li>• The characteristics of appropriate warnings</li><li>• Methods for providing warnings, information, instruction and updates to people in emergency situations</li><li>• How to identify, control and manage the public's access in the vicinity of the incident</li></ul>

### Practical application

Control measure element	Learning outcome
Warn, inform and advise people	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Use appropriate means to warn, inform, instruct and update public</li> <li>• Provide information that is               <ul style="list-style-type: none"> <li>- Specific</li> <li>- Comprehensible</li> <li>- Timely</li> <li>- Credible</li> <li>- Provides cues that are identifiable for action</li> </ul> </li> <li>• Instigate appropriate procedures for warning public according to the environment and nature of warning and consider the use of:               <ul style="list-style-type: none"> <li>- Media</li> <li>- Social media</li> <li>- On foot/in person</li> <li>- PA announcements</li> </ul> </li> <li>• Establish and maintain an appropriate contact in line with service procedure</li> </ul>



## Hazard - Biological materials

### Knowledge and understanding

Hazard	Learning outcome
Biological materials	Understand all associated hazard knowledge Refer to <a href="#">National Operational Guidance: Operations- Failure to manage health, safety and welfare</a> Refer to <a href="#">National Operational Guidance: Operations- Biological Hazards</a>



## Control measure - Establish hygiene controls

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## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Establish hygiene controls	Understand: <ul style="list-style-type: none"><li>• The biological hazards that may be present at transport incidents</li><li>• The appropriate control measures to protect people from risk of infection</li></ul> Refer to <a href="#">Manage risk from biological hazards – Operations training specification</a> Refer to <a href="#">Manage risk from body fluids – Operations training specification</a> Refer to <a href="#">Polluting materials – Environmental training specification</a>

### Practical application

Control measure element	Learning outcome
Establish hygiene controls	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Identify potential sources of biological contamination</li><li>• Implement safe systems of work to protect emergency responders from contamination</li></ul> Refer to <a href="#">Manage risk from biological hazards – Operations training specification</a> Refer to <a href="#">Manage risk from body fluids – Operations training specification</a> Refer to <a href="#">Polluting materials – Environmental training specification</a>



## Control measure - Undertake decontamination

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Undertake decontamination	Refer to Hazardous materials training specification Refer to <a href="#">Environmental protection training specification</a>

### Practical application

Control measure element	Learning outcome
Undertake decontamination	Refer to Hazardous materials training specification Refer to <a href="#">Environmental Protection training specification</a>



## Hazard - Compromised investigations and scene preservation: Transport incidents

### Knowledge and understanding

Hazard	Learning outcome
Compromised investigations and scene preservation: Transport incidents	Understand all associated hazard knowledge Have an awareness of investigating agencies that may be considered for investigating transport related incidents



## 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"><li>• The importance of maintaining lifesaving activities and fire service statutory duties where an investigation may be carried out</li><li>• The considerations when securing an incident scene for investigation</li><li>• The importance of maintaining strict cordon controls during an investigation</li><li>• Methods of scene preservation</li><li>• Protocols when liaising with other agencies</li></ul>

### Practical application

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



## Control measure - Evidence preservation

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## TRAINING SPECIFICATION

### Knowledge and understanding

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

### Practical application

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



## Control measure - Investigation

### TRAINING SPECIFICATION

#### Knowledge and understanding

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

## Practical application

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



## Control measure - Accurate records and statements

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## TRAINING SPECIFICATION

### Knowledge and understanding

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

### Practical application

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



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

### Practical application

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



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

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## TRAINING SPECIFICATION

### Knowledge and understanding



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

### Practical application

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



## Control measure - Highlight trends

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## TRAINING SPECIFICATION

### Knowledge and understanding

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

### Practical application

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



## Control measure - Operational learning

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### TRAINING SPECIFICATION

#### Knowledge and understanding

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

#### Practical application

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



## Air



### Hazard - Air transport incidents

#### Knowledge and understanding

Hazard	Learning outcome
Air transport incidents	Understand all associated hazard knowledge



### Control measure - Produce Site-Specific Risk Information (SSRI) and emergency response plans

#### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Produce Site-Specific Risk Information (SSRI) and emergency response plans	Refer to <a href="#">All transport hazards - Transport incidents</a>

#### Practical application

Control measure element	Learning outcome
Produce Site-Specific Risk Information (SSRI) and emergency response plans	Refer to <a href="#">All transport hazards – Transport incidents</a>



## Control measure - Emergency response plans: Transport

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Emergency response plans: Transport	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The purpose of pre-planning for all types of transport incidents</li> <li>• The information that may be included in emergency response plans for all types of transport incidents: <ul style="list-style-type: none"> <li>- Air</li> <li>- Rail</li> <li>- Road</li> <li>- Waterways</li> </ul> </li> </ul> <p>Refer to <a href="#">Emergency response plans – Operations training specification</a></p>

#### Practical application

Control measure element	Learning outcome
Emergency response plans: Transport	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify, access and use emergency response plans in the transport environment</li> </ul> <p>Refer to <a href="#">Emergency response plans – Operations training specification</a></p>



## Control measure - Make a safe and controlled approach to the incident

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Make a safe and controlled approach to the incident	<p>Understand:</p> <ul style="list-style-type: none"><li>• The considerations for safe and effective access to transport incidents</li><li>• The hazards associated with approaching incidents involving transport systems</li><li>• When rendezvous points (RVPs) or strategic holding areas may be required</li><li>• The legislation relating to displaying appropriate warning beacons at incidents</li><li>• The equipment used to display appropriate warning beacons</li><li>• How to interpret location markers for different incident types</li></ul>

#### Practical application

Control measure element	Learning outcome
Make a safe and controlled approach to the incident	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"><li>• Identify suitable access routes and RVPs using SSRI</li><li>• Communicate incident access point(s) and RVP information to other emergency responders</li></ul>



## Control measure - Situational awareness: Transport

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## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Situational awareness: Transport	<p>Understand:</p> <ul style="list-style-type: none"><li>• How the size of the scene and physical geography may affect how a scene survey is completed</li><li>• Alternative methods of scene survey</li><li>• The range of information sources that may be available at each type of transport incident</li><li>• How to gather information from available sources</li><li>• The considerations when gathering information</li><li>• How to access and use vehicle data system information</li></ul> <p>Refer to <a href="#">Situational awareness – Incident command training specification</a></p>

### Practical application

Control measure element	Learning outcome
Situational awareness: Transport	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"><li>• Identify and gather information from a range of sources to gain accurate situational awareness</li><li>• Communicate appropriate information to the relevant people/agency</li></ul> <p>Refer to <a href="#">Situational awareness – Incident command training specification</a></p>



## Control measure - Use tactical advisers and responsible person

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## TRAINING SPECIFICATION

## Knowledge and understanding

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Understand:</p> <ul style="list-style-type: none"><li>• The importance of gathering information from the appropriate person/authority</li><li>• How to evaluate the accurate and relevant information a responsible person or agency may provide at a transport incident</li><li>• The role of tactical advisers and/or responsible person at each type of transport incident</li><li>• The role of other agencies and associated attending officers at incidents</li></ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>

## Practical application

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"><li>• Liaise with responsible persons' to develop an operational plan</li><li>• Request and liaise with a tactical adviser relative to the mode of transport involved</li></ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>



# Control measure - Establish appropriate cordons: Transport

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## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Understand: <ul style="list-style-type: none"> <li>• Cordon size may be set by the incident, the mode of transport or its cargo</li> <li>• The considerations when establishing cordons at each type of transport incident</li> </ul> Refer to <a href="#">Establish appropriate cordon controls - Incident command training specification</a>

### Practical application

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Establish and monitor cordons, appropriate to the mode of transport</li> <li>• Restrict, record and manage access/egress to scene of operations</li> </ul> Refer to <a href="#">Establish appropriate cordon controls - Incident command training specification</a>



## Control measure - Ensure effective multi-agency working

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### TRAINING SPECIFICATION

#### Knowledge and understanding



Control measure element	Learning outcome
Ensure effective multi-agency working	Understand: <ul style="list-style-type: none"> <li>• The principles of joint working in the multi-agency environment</li> <li>• The need to establish effective communications with other agencies</li> <li>• Methods of sharing information with other agencies</li> </ul> Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>

### Practical application

Control measure element	Learning outcome
Ensure effective multi agency working	Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>



## Hazard - Dealing with incidents within aerodrome perimeters and infrastructure

### Knowledge and understanding

Hazard	Learning outcome
Dealing with incidents within aerodrome perimeters and infrastructure	Understand all associated hazard knowledge



## Control measure - Understand aerodrome by-laws

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Understand aerodrome by-laws	Understand: <ul style="list-style-type: none"><li>• Aerodrome by-laws in relation to emergency response</li></ul>

### Practical application

Control measure element	Learning outcome
Aerodrome by-laws	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Liaise with the aerodrome responsible person to ascertain aerodrome by-laws and their impact on operations</li><li>• Consult SSRI for information relating to aerodrome by-laws</li></ul>



## Control measure - Be familiar with aerodrome rescue and firefighting service (RFFS) advice and equipment

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Be familiar with aerodrome rescue and firefighting service (RFFS) advice and equipment	Understand: <ul style="list-style-type: none"><li>• The capabilities of RFFS</li><li>• The statutory responsibility of local authority fire and rescue services in relation to air transport incidents</li><li>• The relationship between local authority fire and rescue services and their respective aerodromes</li></ul>

## Practical application

Control measure element	Learning outcome
Be familiar with aerodrome rescue and firefighting service (RFFS) advice and equipment	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Establish a common operating principle with an aerodrome RFFS</li></ul>



## Control measure - Establish whether vehicles are to be escorted airside

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Fire service vehicles are to be escorted airside to provide safe route to the incident	Understand: <ul style="list-style-type: none"><li>• Local access agreements for aerodromes</li><li>• The arrangements made to travel on the airside when escort vehicles are not available</li></ul>

### Practical application

Control measure element	Learning outcome
Fire service vehicles to be escorted airside to provide safe route to the incident	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Request an escort vehicle from RFFS</li><li>• Communicate airside safety information to all personnel</li><li>• Exercise cautionary measures when escort vehicles are not available</li></ul>



## Hazard - Crash site on and off aerodrome

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## Knowledge and understanding

Hazard	Learning outcome
Crash site on and off aerodrome	Understand all associated hazard knowledge



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

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## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Produce Site-Specific Risk Information (SSRI) and emergency response plans	Understand: <ul style="list-style-type: none"><li>• The considerations when developing Site-Specific Risk Information for transport systems</li></ul> Refer to <a href="#">Site Specific Risk Information – Operations training specification</a>

### Practical application

Control measure element	Learning outcome
Use of Site-Specific Risk Information (SSRI)	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Access and review SSRI to inform a safe and effective tactical plan</li></ul> Refer to <a href="#">Site Specific Risk Information – Operations training specification</a>



## Control measure - Emergency response plans:

# Transport

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## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Emergency response plans: Transport	Understand: <ul style="list-style-type: none"><li>• The purpose of pre-planning for all types of transport incidents</li><li>• The information that may be included in emergency response plans for all types of transport incidents:<ul style="list-style-type: none"><li>- Air</li><li>- Rail</li><li>- Road</li><li>- Waterways</li></ul></li></ul> Refer to <a href="#">Emergency response plans – Operations training specification</a>

### Practical application

Control measure element	Learning outcome
Emergency response plans: Transport	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Identify, access and use emergency response plans in the transport environment</li></ul> Refer to <a href="#">Emergency response plans – Operations training specification</a>



## Control measure - Make a safe and controlled approach to the incident

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## TRAINING SPECIFICATION

## Knowledge and understanding

Control measure element	Learning outcome
Make a safe and controlled approach to the incident	Understand: <ul style="list-style-type: none"><li>• The considerations for safe and effective access to transport incidents</li><li>• The hazards associated with approaching incidents involving transport systems</li><li>• When rendezvous points (RVPs) or strategic holding areas may be required</li><li>• The legislation relating to displaying appropriate warning beacons at incidents</li><li>• The equipment used to display appropriate warning beacons</li><li>• How to interpret location markers for different incident types</li></ul>

## Practical application

Control measure element	Learning outcome
Make a safe and controlled approach to the incident	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Identify suitable access routes and RVPs using SSRI</li><li>• Communicate incident access point(s) and RVP information to other emergency responders</li></ul>



# Control measure - Situational awareness: Transport

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## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Situational awareness: Transport	<p>Understand:</p> <ul style="list-style-type: none"> <li>• How the size of the scene and physical geography may affect how a scene survey is completed</li> <li>• Alternative methods of scene survey</li> <li>• The range of information sources that may be available at each type of transport incident</li> <li>• How to gather information from available sources</li> <li>• The considerations when gathering information</li> <li>• How to access and use vehicle data system information</li> </ul> <p>Refer to <a href="#">Situational awareness – Incident command training specification</a></p>

### Practical application

Control measure element	Learning outcome
Situational awareness: Transport	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify and gather information from a range of sources to gain accurate situational awareness</li> <li>• Communicate appropriate information to the relevant people/agency</li> </ul> <p>Refer to <a href="#">Situational awareness – Incident command training specification</a></p>



## Control measure - Use tactical advisers and responsible person

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The importance of gathering information from the appropriate person/authority</li> <li>• How to evaluate the accurate and relevant information a responsible person or agency may provide at a transport incident</li> <li>• The role of tactical advisers and/or responsible person at each type of transport incident</li> <li>• The role of other agencies and associated attending officers at incidents</li> </ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>

### Practical application

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Liaise with responsible persons' to develop an operational plan</li> <li>• Request and liaise with a tactical adviser relative to the mode of transport involved</li> </ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>



## Control measure - Establish appropriate cordons: Transport

### TRAINING SPECIFICATION

#### Knowledge and understanding



Control measure element	Learning outcome
Establish appropriate cordons: Transport	Understand: <ul style="list-style-type: none"> <li>• Cordon size may be set by the incident, the mode of transport or its cargo</li> <li>• The considerations when establishing cordons at each type of transport incident</li> </ul> Refer to <a href="#">Establish appropriate cordon controls - Incident command training specification</a>

### Practical application

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Establish and monitor cordons, appropriate to the mode of transport</li> <li>• Restrict, record and manage access/egress to scene of operations</li> </ul> Refer to <a href="#">Establish appropriate cordon controls - Incident command training specification</a>



## Control measure - Ensure effective multi-agency working

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Ensure effective multi-agency working	Understand: <ul style="list-style-type: none"> <li>• The principles of joint working in the multi-agency environment</li> <li>• The need to establish effective communications with other agencies</li> <li>• Methods of sharing information with other agencies</li> </ul> Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>

### Practical application

Control measure element	Learning outcome
Ensure effective multi agency working	Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>



## Control measure - Control ignition sources

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Control ignition sources	Understand: <ul style="list-style-type: none"> <li>• The need to eliminate or reduce the possibility of ignition sources from the accident site</li> </ul>

#### Practical application

Control measure element	Learning outcome
Control ignition sources	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Control ignition sources</li> <li>• Use appropriate extinguishing media to mitigate ignition sources</li> <li>• Provide safe systems of work for personnel working within the inner cordon</li> </ul>



## Hazard - Aircraft undercarriages

### Knowledge and understanding

Hazard	Learning outcome
Aircraft undercarriages	Understand all associated hazard knowledge



## Control measure - Establish appropriate cordons: Transport

### TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Understand: <ul style="list-style-type: none"> <li>• Cordon size may be set by the incident, the mode of transport or its cargo</li> <li>• The considerations when establishing cordons at each type of transport incident</li> </ul> Refer to <a href="#">Establish appropriate cordon controls - Incident command training specification</a>

## Practical application

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Establish and monitor cordons, appropriate to the mode of transport</li><li>• Restrict, record and manage access/egress to scene of operations</li></ul> Refer to <a href="#">Establish appropriate cordon controls - Incident command training specification</a>



## Control measure - Stabilise the mode of transport

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## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Stabilise the mode of transport	Understand: <ul style="list-style-type: none"><li>• Appropriate stabilisation techniques for different craft or vehicles</li><li>• When specialist knowledge or resources are required to stabilise craft/vehicles</li><li>• The properties of a good stabilisation method</li><li>• Why stabilisation should be checked regularly</li></ul> See <a href="http://www.ukro.org/education/ukro-workshops/lgv-rescues/">www.ukro.org/education/ukro-workshops/lgv-rescues/</a>

## Practical application

Control measure element	Learning outcome
Stabilise the mode of transport	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Apply the properties of a good stabilisation method</li> <li>• Identify and request the resources required to implement an effective stabilisation plan</li> <li>• Monitor and assess the stability of a vehicle or craft</li> </ul>



## Hazard - Escape slides

### Knowledge and understanding

Hazard	Learning outcome
Escape slides	Understand all associated hazard knowledge



## Control measure - Manage slides and access points

### TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Manage slides and access points	Understand: <ul style="list-style-type: none"> <li>• How to manage aircraft slides and access points</li> <li>• The types of escape slides in use</li> <li>• The situations when escape slides may be used</li> <li>• The situations when escape slides should not be used</li> <li>• The methods of communicating that escape slides are in use</li> </ul>

## Practical application

Control measure element	Learning outcome
Manage slides and access points	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Gather information about slides from a responsible person</li><li>• Communicate to all personnel that slides are active</li><li>• Establish a safe system of work to manage slides and access points</li></ul>



## Hazard - Aircraft ballistic recovery systems

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## Knowledge and understanding

Hazard	Learning outcome
Aircraft ballistic recovery systems	Understand all associated hazard knowledge



## Control measure - Identify the system and seek specialist advice regarding the isolation of systems

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## TRAINING SPECIFICATION

## Knowledge and understanding

Control measure element	Learning outcome
Identify the system and seek specialist advice regarding the isolation of systems	Understand: <ul style="list-style-type: none"> <li>• How to identify aircraft ballistic recovery systems</li> <li>• How to locate and determine the condition of aircraft ballistic recovery systems</li> <li>• Who can isolate and make safe aircraft ballistic recovery systems</li> <li>• The negative effect of isolating power supplies to ballistic recovery systems</li> </ul>

### Practical application

Control measure element	Learning outcome
Identify the system and seek specialist advice regarding the isolation of systems	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Identify the state of ballistic recovery systems</li> <li>• Identify and communicate ballistic recovery system information to all emergency personnel attending the incident</li> <li>• Liaise with the aerodrome responsible person to ascertain the requirements for isolating ballistic recovery systems</li> </ul>



## Control measure - Manage the deployed parachute

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Manage the deployed parachute	Understand: <ul style="list-style-type: none"> <li>• How an aircraft's stability can be affected by a deployed parachute</li> <li>• Methods of managing a deployed parachute</li> </ul>

### Practical application

Control measure element	Learning outcome
Manage the deployed parachute	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Establish a safe system of work to manage a deployed parachute</li> </ul>



## Hazard - Aircraft systems and construction

### Knowledge and understanding

Hazard	Learning outcome
Aircraft systems and construction	Understand all associated hazard knowledge



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

### TRAINING SPECIFICATION

### Knowledge and understanding



Control measure element	Learning outcome
Produce Site-Specific Risk Information (SSRI) and emergency response plans	Understand: <ul style="list-style-type: none"> <li>The considerations when developing Site-Specific Risk Information for transport systems</li> </ul> Refer to <a href="#">Site Specific Risk Information – Operations training specification</a>

### Practical application

Control measure element	Learning outcome
Use of Site-Specific Risk Information (SSRI)	Demonstrate the ability to: <ul style="list-style-type: none"> <li>Access and review SSRI to inform a safe and effective tactical plan</li> </ul> Refer to <a href="#">Site Specific Risk Information – Operations training specification</a>



## Control measure - Emergency response plans: Transport

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Emergency response plans: Transport	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The purpose of pre-planning for all types of transport incidents</li> <li>• The information that may be included in emergency response plans for all types of transport incidents: <ul style="list-style-type: none"> <li>- Air</li> <li>- Rail</li> <li>- Road</li> <li>- Waterways</li> </ul> </li> </ul> <p>Refer to <a href="#">Emergency response plans – Operations training specification</a></p>

### Practical application

Control measure element	Learning outcome
Emergency response plans: Transport	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify, access and use emergency response plans in the transport environment</li> </ul> <p>Refer to <a href="#">Emergency response plans – Operations training specification</a></p>



## Control measure - Make a safe and controlled approach to the incident

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
<p>Make a safe and controlled approach to the incident</p>	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The considerations for safe and effective access to transport incidents</li> <li>• The hazards associated with approaching incidents involving transport systems</li> <li>• When rendezvous points (RVPs) or strategic holding areas may be required</li> <li>• The legislation relating to displaying appropriate warning beacons at incidents</li> <li>• The equipment used to display appropriate warning beacons</li> <li>• How to interpret location markers for different incident types</li> </ul>

**Practical application**

Control measure element	Learning outcome
<p>Make a safe and controlled approach to the incident</p>	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify suitable access routes and RVPs using SSRI</li> <li>• Communicate incident access point(s) and RVP information to other emergency responders</li> </ul>



## Control measure - Situational awareness: Transport

**TRAINING SPECIFICATION**

**Knowledge and understanding**

Control measure element	Learning outcome
Situational awareness: Transport	<p>Understand:</p> <ul style="list-style-type: none"> <li>• How the size of the scene and physical geography may affect how a scene survey is completed</li> <li>• Alternative methods of scene survey</li> <li>• The range of information sources that may be available at each type of transport incident</li> <li>• How to gather information from available sources</li> <li>• The considerations when gathering information</li> <li>• How to access and use vehicle data system information</li> </ul> <p>Refer to <a href="#">Situational awareness – Incident command training specification</a></p>

### Practical application

Control measure element	Learning outcome
Situational awareness: Transport	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify and gather information from a range of sources to gain accurate situational awareness</li> <li>• Communicate appropriate information to the relevant people/agency</li> </ul> <p>Refer to <a href="#">Situational awareness – Incident command training specification</a></p>



## Control measure - Use tactical advisers and responsible person

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The importance of gathering information from the appropriate person/authority</li> <li>• How to evaluate the accurate and relevant information a responsible person or agency may provide at a transport incident</li> <li>• The role of tactical advisers and/or responsible person at each type of transport incident</li> <li>• The role of other agencies and associated attending officers at incidents</li> </ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>

### Practical application

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Liaise with responsible persons' to develop an operational plan</li> <li>• Request and liaise with a tactical adviser relative to the mode of transport involved</li> </ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>



## Control measure - Establish appropriate cordons: Transport

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Understand: <ul style="list-style-type: none"> <li>• Cordon size may be set by the incident, the mode of transport or its cargo</li> <li>• The considerations when establishing cordons at each type of transport incident</li> </ul> Refer to <a href="#">Establish appropriate cordon controls - Incident command training specification</a>

### Practical application

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Establish and monitor cordons, appropriate to the mode of transport</li> <li>• Restrict, record and manage access/egress to scene of operations</li> </ul> Refer to <a href="#">Establish appropriate cordon controls - Incident command training specification</a>



## Control measure - Ensure effective multi-agency working

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Ensure effective multi-agency working	Understand: <ul style="list-style-type: none"> <li>• The principles of joint working in the multi-agency environment</li> <li>• The need to establish effective communications with other agencies</li> <li>• Methods of sharing information with other agencies</li> </ul> Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>

### Practical application

Control measure element	Learning outcome
Ensure effective multi agency working	Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>



## Control measure - Identify and isolate control systems

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Identify and isolate control systems	Understand: <ul style="list-style-type: none"> <li>• How to identify aircraft system isolation points in liaison with aerodrome RFFS</li> <li>• Who can isolate aircraft systems</li> <li>• How to control aircraft systems in an emergency</li> </ul>

### Practical application

Control measure element	Learning outcome
Identify and isolate control systems	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Liaise with an aerodrome responsible person to gather information in respect of aircraft control systems</li> </ul>



## Hazard - Working around military aircraft

### Knowledge and understanding

Hazard	Learning outcome
Working around military aircraft	Understand all associated hazard knowledge



## Control measure - Cordon controls: Military aircraft

### TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Cordon controls: Military aircraft	Understand: <ul style="list-style-type: none"> <li>• The specific cordon distances for military aircraft with and without ordnance</li> <li>• The exclusion or avoidance zones that relate to specific ordnance or guidance systems</li> </ul> Refer to - Establish effective cordon controls Incident command Training specification



## Practical application

Control measure element	Learning outcome
Cordon controls: Military aircraft	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Identify the appropriate cordons and exclusions zones based on the on board ordnance and guidance systems</li><li>• Establish and manage appropriate cordons for incidents involving military aircraft</li><li>• Approach a military aircraft safely</li></ul> Refer to - Establish appropriate cordon controls: Incident command training specification



## Control measure - Specialist advice: Military aircraft

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## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Specialist advice: Military aircraft	Understand: <ul style="list-style-type: none"><li>• The role of the Royal Air Force regional liaison officer (RAFRLO)</li><li>• The role of the Aircraft Post Crash Management Incident Officer (APCMIO)</li><li>• The role of the Royal Navy duty hazmat and environmental protection officer</li><li>• The role of the explosive ordnance disposal team</li><li>• How to request specialist advice for military aircraft</li></ul>

## Practical application

Control measure element	Learning outcome
Liaise with specialist military advisers	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Liaise with military advisers at the earliest opportunity</li> <li>• Request assistance from specialist advisers for incidents involving military aircraft</li> </ul>



## Control measure - Restrict the use of electronic communication devices

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Restrict the use electronic communication devices	Understand: <ul style="list-style-type: none"> <li>• The hazards associated with the use of electronic communications devices close to electro explosive devices (EED)</li> <li>• The RADHAZ effect in relation to working near electro explosive devices</li> </ul>

#### Practical application

Control measure element	Learning outcome
Restrict the use of electronic communication devices	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Manage or restrict the use of electronic communication until military advice is available</li> </ul>



## Hazard - Working around helicopters

## Knowledge and understanding

Hazard	Learning outcome
Working around helicopters	Understand all associated hazard knowledge



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

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Produce Site-Specific Risk Information (SSRI) and emergency response plans	Understand: <ul style="list-style-type: none"><li>• The considerations when developing Site-Specific Risk Information for transport systems</li></ul> Refer to <a href="#">Site Specific Risk Information – Operations training specification</a>

#### Practical application

Control measure element	Learning outcome
Use of Site-Specific Risk Information (SSRI)	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Access and review SSRI to inform a safe and effective tactical plan</li></ul> Refer to <a href="#">Site Specific Risk Information – Operations training specification</a>



## Control measure - Emergency response plans: Transport

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Emergency response plans: Transport	Understand: <ul style="list-style-type: none"><li>• The purpose of pre-planning for all types of transport incidents</li><li>• The information that may be included in emergency response plans for all types of transport incidents:<ul style="list-style-type: none"><li>- Air</li><li>- Rail</li><li>- Road</li><li>- Waterways</li></ul></li></ul> Refer to <a href="#">Emergency response plans – Operations training specification</a>

### Practical application

Control measure element	Learning outcome
Emergency response plans: Transport	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Identify, access and use emergency response plans in the transport environment</li></ul> Refer to <a href="#">Emergency response plans – Operations training specification</a>



## Control measure - Make a safe and controlled approach to the incident

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
<p>Make a safe and controlled approach to the incident</p>	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The considerations for safe and effective access to transport incidents</li> <li>• The hazards associated with approaching incidents involving transport systems</li> <li>• When rendezvous points (RVPs) or strategic holding areas may be required</li> <li>• The legislation relating to displaying appropriate warning beacons at incidents</li> <li>• The equipment used to display appropriate warning beacons</li> <li>• How to interpret location markers for different incident types</li> </ul>

**Practical application**

Control measure element	Learning outcome
<p>Make a safe and controlled approach to the incident</p>	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify suitable access routes and RVPs using SSRI</li> <li>• Communicate incident access point(s) and RVP information to other emergency responders</li> </ul>



## Control measure - Situational awareness: Transport

**TRAINING SPECIFICATION**

**Knowledge and understanding**

Control measure element	Learning outcome
Situational awareness: Transport	<p>Understand:</p> <ul style="list-style-type: none"> <li>• How the size of the scene and physical geography may affect how a scene survey is completed</li> <li>• Alternative methods of scene survey</li> <li>• The range of information sources that may be available at each type of transport incident</li> <li>• How to gather information from available sources</li> <li>• The considerations when gathering information</li> <li>• How to access and use vehicle data system information</li> </ul> <p>Refer to <a href="#">Situational awareness – Incident command training specification</a></p>

### Practical application

Control measure element	Learning outcome
Situational awareness: Transport	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify and gather information from a range of sources to gain accurate situational awareness</li> <li>• Communicate appropriate information to the relevant people/agency</li> </ul> <p>Refer to <a href="#">Situational awareness – Incident command training specification</a></p>



## Control measure - Use tactical advisers and responsible person

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The importance of gathering information from the appropriate person/authority</li> <li>• How to evaluate the accurate and relevant information a responsible person or agency may provide at a transport incident</li> <li>• The role of tactical advisers and/or responsible person at each type of transport incident</li> <li>• The role of other agencies and associated attending officers at incidents</li> </ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>

### Practical application

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Liaise with responsible persons' to develop an operational plan</li> <li>• Request and liaise with a tactical adviser relative to the mode of transport involved</li> </ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>



## Control measure - Establish appropriate cordons: Transport

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Understand: <ul style="list-style-type: none"> <li>• Cordon size may be set by the incident, the mode of transport or its cargo</li> <li>• The considerations when establishing cordons at each type of transport incident</li> </ul> Refer to <a href="#">Establish appropriate cordon controls - Incident command training specification</a>

### Practical application

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Establish and monitor cordons, appropriate to the mode of transport</li> <li>• Restrict, record and manage access/egress to scene of operations</li> </ul> Refer to <a href="#">Establish appropriate cordon controls - Incident command training specification</a>



## Control measure - Ensure effective multi-agency working

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### TRAINING SPECIFICATION

#### Knowledge and understanding



Control measure element	Learning outcome
Ensure effective multi-agency working	Understand: <ul style="list-style-type: none"> <li>• The principles of joint working in the multi-agency environment</li> <li>• The need to establish effective communications with other agencies</li> <li>• Methods of sharing information with other agencies</li> </ul> Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>

### Practical application

Control measure element	Learning outcome
Ensure effective multi agency working	Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>



## Control measure - Avoid deploying flotation devices or automatically deployable emergency locator transmitters (ADELT)

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
<p>Avoid deploying flotation devices or automatically deployable emergency locator transmitters (ADELT)</p>	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The types of helicopter that may be fitted with ADELT</li> <li>• The methods by which the ADELT is attached to the helicopter</li> <li>• The methods by which the ADELT is released from the helicopter</li> <li>• The hazards associated with ADELT systems</li> <li>• The types of emergency floatation systems fitted to helicopters</li> <li>• The hazards associated with emergency floatation systems</li> <li>• How to identify ADELT and floatation devices on helicopters</li> </ul>

**Practical application**

Control measure element	Learning outcome
<p>Avoid deploying flotation devices or automatically deployable emergency locator transmitters (ADELT)</p>	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify flotation devices and/or ADELT on aircraft that have been involved in an incident</li> <li>• Establish a safe system of work when applying water or foam where flotation devices and/or ADELT on aircraft are located</li> </ul>



**Rail**



**Hazard -  
Rail transport incidents**

## Knowledge and understanding

Hazard	Learning outcome
Rail transport incidents	Understand all associated hazard knowledge



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

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## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Produce Site-Specific Risk Information (SSRI) and emergency response plans	Understand: <ul style="list-style-type: none"><li>• The considerations when developing Site-Specific Risk Information for transport systems</li></ul> Refer to <a href="#">Site Specific Risk Information – Operations training specification</a>

### Practical application

Control measure element	Learning outcome
Use of Site-Specific Risk Information (SSRI)	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Access and review SSRI to inform a safe and effective tactical plan</li></ul> Refer to <a href="#">Site Specific Risk Information – Operations training specification</a>



## Control measure - Make a safe and controlled approach to the incident

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Make a safe and controlled approach to the incident	Understand: <ul style="list-style-type: none"><li>• The considerations for safe and effective access to transport incidents</li><li>• The hazards associated with approaching incidents involving transport systems</li><li>• When rendezvous points (RVPs) or strategic holding areas may be required</li><li>• The legislation relating to displaying appropriate warning beacons at incidents</li><li>• The equipment used to display appropriate warning beacons</li><li>• How to interpret location markers for different incident types</li></ul>

### Practical application

Control measure element	Learning outcome
Make a safe and controlled approach to the incident	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Identify suitable access routes and RVPs using SSRI</li><li>• Communicate incident access point(s) and RVP information to other emergency responders</li></ul>



## Control measure - Situational awareness: Transport

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Situational awareness: Transport	<p>Understand:</p> <ul style="list-style-type: none"> <li>• How the size of the scene and physical geography may affect how a scene survey is completed</li> <li>• Alternative methods of scene survey</li> <li>• The range of information sources that may be available at each type of transport incident</li> <li>• How to gather information from available sources</li> <li>• The considerations when gathering information</li> <li>• How to access and use vehicle data system information</li> </ul> <p>Refer to <a href="#">Situational awareness – Incident command training specification</a></p>

### Practical application

Control measure element	Learning outcome
Situational awareness: Transport	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify and gather information from a range of sources to gain accurate situational awareness</li> <li>• Communicate appropriate information to the relevant people/agency</li> </ul> <p>Refer to <a href="#">Situational awareness – Incident command training specification</a></p>



## Control measure - Use tactical advisers and responsible person

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The importance of gathering information from the appropriate person/authority</li> <li>• How to evaluate the accurate and relevant information a responsible person or agency may provide at a transport incident</li> <li>• The role of tactical advisers and/or responsible person at each type of transport incident</li> <li>• The role of other agencies and associated attending officers at incidents</li> </ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>

### Practical application

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Liaise with responsible persons' to develop an operational plan</li> <li>• Request and liaise with a tactical adviser relative to the mode of transport involved</li> </ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>



## Control measure - Establish appropriate cordons: Transport

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Understand: <ul style="list-style-type: none"> <li>• Cordon size may be set by the incident, the mode of transport or its cargo</li> <li>• The considerations when establishing cordons at each type of transport incident</li> </ul> Refer to <a href="#">Establish appropriate cordon controls - Incident command training specification</a>

### Practical application

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Establish and monitor cordons, appropriate to the mode of transport</li> <li>• Restrict, record and manage access/egress to scene of operations</li> </ul> Refer to <a href="#">Establish appropriate cordon controls - Incident command training specification</a>



## Control measure - Ensure effective multi-agency working

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Ensure effective multi-agency working	Understand: <ul style="list-style-type: none"> <li>• The principles of joint working in the multi-agency environment</li> <li>• The need to establish effective communications with other agencies</li> <li>• Methods of sharing information with other agencies</li> </ul> Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>

### Practical application

Control measure element	Learning outcome
Ensure effective multi agency working	Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>



## Control measure - Establish proportionate control over the railway

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Establish proportionate control over the railway	Refer to Hazard - <a href="#">Rail transport incidents</a>

#### Practical application

Control measure element	Learning outcome
Establish proportionate control over the railway	Refer to Hazard – <a href="#">Rail transport incidents</a>





## Control measure - Appoint safety officers

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Appoint safety officers	Understand: <ul style="list-style-type: none"><li>• The considerations when positioning safety officers at rail incidents</li><li>• The delegated responsibilities of a safety officer when working near railways</li><li>• Methods of signalling to stop or slow trains</li></ul> Refer to <a href="#">Incident ground safety management - Incident command training specification</a>

#### Practical application

Control measure element	Learning outcome
Appoint safety officers	Refer to <a href="#">Incident ground safety management - Incident command training specification</a>



## Control measure - Personal protective equipment (PPE): Rail

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Personal protective equipment (PPE): Rail	Understand: <ul style="list-style-type: none"> <li>• The appropriate use of PPE in the rail environment</li> <li>• The arrangements for wearing high visibility clothing with train operating companies</li> </ul> Refer to <a href="#">Personal protective equipment (PPE) – Operations training specification</a>

### Practical application

Control measure element	Learning outcome
Personal protective equipment (PPE): Rail	Refer to Personal protective equipment (PPE) – Operations training specification



## Hazard - Moving rail stock

### Knowledge and understanding

Hazard	Learning outcome
Moving rail stock	Understand all associated hazard knowledge



## Control measure - Produce Site-Specific Risk Information (SSRI) and emergency response plans

### TRAINING SPECIFICATION

## Knowledge and understanding

Control measure element	Learning outcome
Produce Site-Specific Risk Information (SSRI) and emergency response plans	Refer to <a href="#">All transport hazards – Transport incidents</a>

## Practical application

Control measure element	Learning outcome
Produce Site-Specific Risk Information (SSRI) and emergency response plans	Refer to <a href="#">All transport hazards – Transport incidents</a>



# Control measure - Make a safe and controlled approach to the incident

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## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Make a safe and controlled approach to the incident	<p>Understand:</p> <ul style="list-style-type: none"><li>• The considerations for safe and effective access to transport incidents</li><li>• The hazards associated with approaching incidents involving transport systems</li><li>• When rendezvous points (RVPs) or strategic holding areas may be required</li><li>• The legislation relating to displaying appropriate warning beacons at incidents</li><li>• The equipment used to display appropriate warning beacons</li><li>• How to interpret location markers for different incident types</li></ul>

## Practical application

Control measure element	Learning outcome
Make a safe and controlled approach to the incident	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Identify suitable access routes and RVPs using SSRI</li><li>• Communicate incident access point(s) and RVP information to other emergency responders</li></ul>



## Control measure - Situational awareness: Transport

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## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Situational awareness: Transport	Understand: <ul style="list-style-type: none"><li>• How the size of the scene and physical geography may affect how a scene survey is completed</li><li>• Alternative methods of scene survey</li><li>• The range of information sources that may be available at each type of transport incident</li><li>• How to gather information from available sources</li><li>• The considerations when gathering information</li><li>• How to access and use vehicle data system information</li></ul> Refer to <a href="#">Situational awareness – Incident command training specification</a>

### Practical application

Control measure element	Learning outcome
Situational awareness: Transport	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Identify and gather information from a range of sources to gain accurate situational awareness</li> <li>• Communicate appropriate information to the relevant people/agency</li> </ul> Refer to <a href="#">Situational awareness – Incident command training specification</a>



## Control measure - Use tactical advisers and responsible person

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Use tactical advisers and responsible person	Understand: <ul style="list-style-type: none"> <li>• The importance of gathering information from the appropriate person/authority</li> <li>• How to evaluate the accurate and relevant information a responsible person or agency may provide at a transport incident</li> <li>• The role of tactical advisers and/or responsible person at each type of transport incident</li> <li>• The role of other agencies and associated attending officers at incidents</li> </ul> Refer to <a href="#">Specialist advice – Incident command training specification</a>

#### Practical application

Control measure element	Learning outcome
Use tactical advisers and responsible person	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Liaise with responsible persons' to develop an operational plan</li> <li>• Request and liaise with a tactical adviser relative to the mode of transport involved</li> </ul> Refer to <a href="#">Specialist advice – Incident command training specification</a>



## Control measure - Establish appropriate cordons: Transport

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Understand: <ul style="list-style-type: none"> <li>• Cordon size may be set by the incident, the mode of transport or its cargo</li> <li>• The considerations when establishing cordons at each type of transport incident</li> </ul> Refer to <a href="#">Establish appropriate cordon controls – Incident command training specification</a>

#### Practical application

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Establish and monitor cordons, appropriate to the mode of transport</li> <li>• Restrict, record and manage access/egress to scene of operations</li> </ul> Refer to <a href="#">Establish appropriate cordon controls – Incident command training specification</a>



## Control measure - Ensure effective multi-agency working

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Ensure effective multi-agency working	Understand: <ul style="list-style-type: none"> <li>• The principles of joint working in the multi-agency environment</li> <li>• The need to establish effective communications with other agencies</li> <li>• Methods of sharing information with other agencies</li> </ul> Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>

#### Practical application

Control measure element	Learning outcome
Ensure effective multi agency working	Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>



## Control measure - Establish proportionate control over the railway

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Establish proportionate control over the railway	Refer to Hazard - <a href="#">Rail transport incidents</a>

#### Practical application

Control measure element	Learning outcome
Establish proportionate control over the railway	Refer to Hazard - <a href="#">Rail transport incidents</a>



## Control measure - Appoint safety officers

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### TRAINING SPECIFICATION

#### Knowledge and understanding



Control measure element	Learning outcome
Appoint safety officers	Understand: <ul style="list-style-type: none"> <li>• The considerations when positioning safety officers at rail incidents</li> <li>• The delegated responsibilities of a safety officer when working near railways</li> <li>• Methods of signalling to stop or slow trains</li> </ul> Refer to <a href="#">Incident ground safety management - Incident command training specification</a>

### Practical application

Control measure element	Learning outcome
Appoint safety officers	Refer to <a href="#">Incident ground safety management - Incident command training specification</a>



## Control measure - Personal protective equipment (PPE): Rail

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Personal protective equipment (PPE): Rail	Understand: <ul style="list-style-type: none"> <li>• The appropriate use of PPE in the rail environment</li> <li>• The arrangements for wearing high visibility clothing with train operating companies</li> </ul> Refer to <a href="#">Personal protective equipment (PPE) – Operations training specification</a>

### Practical application

Control measure element	Learning outcome
Personal protective equipment (PPE): Rail	Refer to Personal protective equipment (PPE) – Operations training specification



## Control measure - Maintain safe working distances: Moving rail stock

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Maintain safe working distances: Moving rail stock	Understand: <ul style="list-style-type: none"> <li>• Safe working distances in relation to moving rail stock</li> </ul>

#### Practical application

Control measure element	Learning outcome
Maintain safe working distances: Moving rail stock	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Establish a safe system of work</li> <li>• Communicate safe working distances to all relevant personnel</li> </ul>



## Hazard - Complexity of rail infrastructure

#### Knowledge and understanding

Hazard	Learning outcome
Complexity of rail infrastructure	Understand all associated hazard knowledge



## Control measure - Produce Site-Specific Risk Information (SSRI) and emergency response plans

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Produce Site-Specific Risk Information (SSRI) and emergency response plans	Refer to <a href="#">All transport hazards – Transport incidents</a>

#### Practical application

Control measure element	Learning outcome
Produce Site-Specific Risk Information (SSRI) and emergency response plans	Refer to <a href="#">All transport hazards – Transport incidents</a>



## Control measure - Make a safe and controlled approach to the incident

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
<p>Make a safe and controlled approach to the incident</p>	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The considerations for safe and effective access to transport incidents</li> <li>• The hazards associated with approaching incidents involving transport systems</li> <li>• When rendezvous points (RVPs) or strategic holding areas may be required</li> <li>• The legislation relating to displaying appropriate warning beacons at incidents</li> <li>• The equipment used to display appropriate warning beacons</li> <li>• How to interpret location markers for different incident types</li> </ul>

**Practical application**

Control measure element	Learning outcome
<p>Make a safe and controlled approach to the incident</p>	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify suitable access routes and RVPs using SSRI</li> <li>• Communicate incident access point(s) and RVP information to other emergency responders</li> </ul>



## Control measure - Situational awareness: Transport

**TRAINING SPECIFICATION**

**Knowledge and understanding**

Control measure element	Learning outcome
Situational awareness: Transport	<p>Understand:</p> <ul style="list-style-type: none"> <li>• How the size of the scene and physical geography may affect how a scene survey is completed</li> <li>• Alternative methods of scene survey</li> <li>• The range of information sources that may be available at each type of transport incident</li> <li>• How to gather information from available sources</li> <li>• The considerations when gathering information</li> <li>• How to access and use vehicle data system information</li> </ul> <p>Refer to <a href="#">Situational awareness – Incident command training specification</a></p>

### Practical application

Control measure element	Learning outcome
Situational awareness: Transport	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify and gather information from a range of sources to gain accurate situational awareness</li> <li>• Communicate appropriate information to the relevant people/agency</li> </ul> <p>Refer to <a href="#">Situational awareness – Incident command training specification</a></p>



## Control measure - Use tactical advisers and responsible person

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The importance of gathering information from the appropriate person/authority</li> <li>• How to evaluate the accurate and relevant information a responsible person or agency may provide at a transport incident</li> <li>• The role of tactical advisers and/or responsible person at each type of transport incident</li> <li>• The role of other agencies and associated attending officers at incidents</li> </ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>

### Practical application

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Liaise with responsible persons' to develop an operational plan</li> <li>• Request and liaise with a tactical adviser relative to the mode of transport involved</li> </ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>



## Control measure - Establish appropriate cordons: Transport

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Understand: <ul style="list-style-type: none"> <li>• Cordon size may be set by the incident, the mode of transport or its cargo</li> <li>• The considerations when establishing cordons at each type of transport incident</li> </ul> Refer to <a href="#">Establish appropriate cordon controls - Incident command training specification</a>

### Practical application

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Establish and monitor cordons, appropriate to the mode of transport</li> <li>• Restrict, record and manage access/egress to scene of operations</li> </ul> Refer to <a href="#">Establish appropriate cordon controls - Incident command training specification</a>



## Control measure - Ensure effective multi-agency working

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Ensure effective multi-agency working	Understand: <ul style="list-style-type: none"> <li>• The principles of joint working in the multi-agency environment</li> <li>• The need to establish effective communications with other agencies</li> <li>• Methods of sharing information with other agencies</li> </ul> Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>

### Practical application

Control measure element	Learning outcome
Ensure effective multi agency working	Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>



## Control measure - Establish proportionate control over the railway

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Establish proportionate control over the railway	Refer to Hazard - <a href="#">Rail transport incidents</a>

#### Practical application

Control measure element	Learning outcome
Establish proportionate control over the railway	Refer to Hazard – <a href="#">Rail transport incidents</a>





## Control measure - Appoint safety officers

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Appoint safety officers	Understand: <ul style="list-style-type: none"><li>• The considerations when positioning safety officers at rail incidents</li><li>• The delegated responsibilities of a safety officer when working near railways</li><li>• Methods of signalling to stop or slow trains</li></ul> Refer to <a href="#">Incident ground safety management - Incident command training specification</a>

#### Practical application

Control measure element	Learning outcome
Appoint safety officers	Refer to <a href="#">Incident ground safety management - Incident command training specification</a>



## Control measure - Personal protective equipment (PPE): Rail

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Personal protective equipment (PPE): Rail	Understand: <ul style="list-style-type: none"> <li>• The appropriate use of PPE in the rail environment</li> <li>• The arrangements for wearing high visibility clothing with train operating companies</li> </ul> Refer to <a href="#">Personal protective equipment (PPE) – Operations training specification</a>

### Practical application

Control measure element	Learning outcome
Personal protective equipment (PPE): Rail	Refer to Personal protective equipment (PPE) – Operations training specification



## Control measure - Identify utilities adjacent to rail infrastructure

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Identify utilities adjacent to rail infrastructure	Understand: <ul style="list-style-type: none"> <li>• The benefits of familiarisation visits to identify railway infrastructure</li> <li>• The specific information a responsible person can provide in relation to rail infrastructure</li> <li>• The significant hazards associated with cable trunking</li> </ul>

### Practical application

Control measure element	Learning outcome
Identify utilities adjacent to rail infrastructure	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Identify utilities installed adjacent to railway lines</li> <li>• Communicate utility risk information to all relevant personnel</li> </ul>



## Hazard - Rail power systems

### Knowledge and understanding

Hazard	Learning outcome
Rail power systems	Understand all associated hazard knowledge



## Control measure - Produce Site-Specific Risk Information (SSRI) and emergency response plans

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Produce Site-Specific Risk Information (SSRI) and emergency response plans	Refer to <a href="#">All transport hazards - Transport incidents</a>

#### Practical application

Control measure element	Learning outcome
Produce Site-Specific Risk Information (SSRI) and emergency response plans	Refer to <a href="#">All transport hazards – Transport incidents</a>



## Control measure - Make a safe and controlled approach to the incident

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Make a safe and controlled approach to the incident	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The considerations for safe and effective access to transport incidents</li> <li>• The hazards associated with approaching incidents involving transport systems</li> <li>• When rendezvous points (RVPs) or strategic holding areas may be required</li> <li>• The legislation relating to displaying appropriate warning beacons at incidents</li> <li>• The equipment used to display appropriate warning beacons</li> <li>• How to interpret location markers for different incident types</li> </ul>

#### Practical application

Control measure element	Learning outcome
Make a safe and controlled approach to the incident	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify suitable access routes and RVPs using SSRI</li> <li>• Communicate incident access point(s) and RVP information to other emergency responders</li> </ul>



# Control measure - Situational awareness: Transport

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Situational awareness: Transport	<p>Understand:</p> <ul style="list-style-type: none"><li>• How the size of the scene and physical geography may affect how a scene survey is completed</li><li>• Alternative methods of scene survey</li><li>• The range of information sources that may be available at each type of transport incident</li><li>• How to gather information from available sources</li><li>• The considerations when gathering information</li><li>• How to access and use vehicle data system information</li></ul> <p>Refer to <a href="#">Situational awareness - Incident command training specification</a></p>

### Practical application

Control measure element	Learning outcome
Situational awareness: Transport	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"><li>• Identify and gather information from a range of sources to gain accurate situational awareness</li><li>• Communicate appropriate information to the relevant people/agency</li></ul> <p>Refer to <a href="#">Situational awareness - Incident command training specification</a></p>



# Control measure - Use tactical advisers and responsible person

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Understand:</p> <ul style="list-style-type: none"><li>• The importance of gathering information from the appropriate person/authority</li><li>• How to evaluate the accurate and relevant information a responsible person or agency may provide at a transport incident</li><li>• The role of tactical advisers and/or responsible person at each type of transport incident</li><li>• The role of other agencies and associated attending officers at incidents</li></ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>

### Practical application

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"><li>• Liaise with responsible persons' to develop an operational plan</li><li>• Request and liaise with a tactical adviser relative to the mode of transport involved</li></ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>



## Control measure - Establish appropriate cordons: Transport

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Understand: <ul style="list-style-type: none"><li>• Cordon size may be set by the incident, the mode of transport or its cargo</li><li>• The considerations when establishing cordons at each type of transport incident</li></ul> Refer to <a href="#">Establish appropriate cordon controls – Incident command training specification</a>

#### Practical application

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Establish and monitor cordons, appropriate to the mode of transport</li><li>• Restrict, record and manage access/egress to scene of operations</li></ul> Refer to <a href="#">Establish appropriate cordon controls – Incident command training specification</a>



## Control measure - Ensure effective multi-agency working

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Ensure effective multi-agency working	Understand: <ul style="list-style-type: none"><li>• The principles of joint working in the multi-agency environment</li><li>• The need to establish effective communications with other agencies</li><li>• Methods of sharing information with other agencies</li></ul> Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>

### Practical application

Control measure element	Learning outcome
Ensure effective multi agency working	Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>



## Control measure - Establish proportionate control over the railway

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Establish proportionate control over the railway	Refer to Hazard - <a href="#">Rail transport incidents</a>

### Practical application



Control measure element	Learning outcome
Establish proportionate control over the railway	Refer to Hazard – <a href="#">Rail transport incidents</a>



## Control measure - Appoint safety officers

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Appoint safety officers	Understand: <ul style="list-style-type: none"> <li>• The considerations when positioning safety officers at rail incidents</li> <li>• The delegated responsibilities of a safety officer when working near railways</li> <li>• Methods of signalling to stop or slow trains</li> </ul> Refer to <a href="#">Incident ground safety management - Incident command training specification</a>

#### Practical application

Control measure element	Learning outcome
Appoint safety officers	Refer to <a href="#">Incident ground safety management - Incident command training specification</a>



## Control measure - Personal protective equipment (PPE): Rail

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Personal protective equipment (PPE): Rail	Understand: <ul style="list-style-type: none"><li>• The appropriate use of PPE in the rail environment</li><li>• The arrangements for wearing high visibility clothing with train operating companies</li></ul> Refer to <a href="#">Personal protective equipment (PPE) – Operations training specification</a>

### Practical application

Control measure element	Learning outcome
Personal protective equipment (PPE): Rail	Refer to Personal protective equipment (PPE) – Operations training specification



## Control measure - Identify all present power systems

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Identify all present power systems	Understand: <ul style="list-style-type: none"><li>• How to identify rail power systems</li><li>• The methods used to stop rail vehicles</li></ul>

### Practical application

Control measure element	Learning outcome
Identify all present power systems	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Gather relevant information regarding power systems</li> <li>• Identify live power supplies and request isolation</li> <li>• Establish appropriate safe systems of work when working near electrical power systems</li> <li>• Communicate relevant hazard, risk and control measure information to all personnel</li> <li>• Work effectively and safely with non-fire service personnel at rail incidents</li> </ul>



## Control measure - Maintain safe working distance: Overhead line equipment

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Maintaining safe working distances from rail power supplies	Understand: <ul style="list-style-type: none"> <li>• The safe working distance from rail power supplies</li> <li>• Methods of isolating power supplies associated with rail systems</li> <li>• The term 'emergency switch off'</li> <li>• When an 'emergency switch off' is required</li> <li>• The hazards associated with residual current in OLE</li> <li>• Methods to minimise the risks associated with residual current in OLE</li> <li>• The hazards associated with moving casualties in contact with power supplies</li> </ul>

#### Practical application

Control measure element	Learning outcome
Maintain safe working distance: Overhead line equipment OLE	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Establish appropriate cordons where OLE is present</li> <li>• Establish a tactical plan to rescue casualties in line with service protocols</li> </ul>



## Hazard - Access to railway infrastructure

### Knowledge and understanding

Hazard	Learning outcome
Access to railway infrastructure	Understand all associated hazard knowledge



## Control measure - Produce Site-Specific Risk Information (SSRI) and emergency response plans

### TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Produce Site-Specific Risk Information (SSRI) and emergency response plans	Refer to <a href="#">All transport hazards - Transport incidents</a>

### Practical application

Control measure element	Learning outcome
Produce Site-Specific Risk Information (SSRI) and emergency response plans	Refer to <a href="#">All transport hazards – Transport incidents</a>



## Control measure - Make a safe and controlled approach to the incident

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Make a safe and controlled approach to the incident	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The considerations for safe and effective access to transport incidents</li> <li>• The hazards associated with approaching incidents involving transport systems</li> <li>• When rendezvous points (RVPs) or strategic holding areas may be required</li> <li>• The legislation relating to displaying appropriate warning beacons at incidents</li> <li>• The equipment used to display appropriate warning beacons</li> <li>• How to interpret location markers for different incident types</li> </ul>

#### Practical application

Control measure element	Learning outcome
Make a safe and controlled approach to the incident	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify suitable access routes and RVPs using SSRI</li> <li>• Communicate incident access point(s) and RVP information to other emergency responders</li> </ul>



# Control measure - Situational awareness: Transport

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Situational awareness: Transport	<p>Understand:</p> <ul style="list-style-type: none"><li>• How the size of the scene and physical geography may affect how a scene survey is completed</li><li>• Alternative methods of scene survey</li><li>• The range of information sources that may be available at each type of transport incident</li><li>• How to gather information from available sources</li><li>• The considerations when gathering information</li><li>• How to access and use vehicle data system information</li></ul> <p>Refer to <a href="#">Situational awareness - Incident command training specification</a></p>

### Practical application

Control measure element	Learning outcome
Situational awareness: Transport	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"><li>• Identify and gather information from a range of sources to gain accurate situational awareness</li><li>• Communicate appropriate information to the relevant people/agency</li></ul> <p>Refer to <a href="#">Situational awareness - Incident command training specification</a></p>



# Control measure - Use tactical advisers and responsible person

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Understand:</p> <ul style="list-style-type: none"><li>• The importance of gathering information from the appropriate person/authority</li><li>• How to evaluate the accurate and relevant information a responsible person or agency may provide at a transport incident</li><li>• The role of tactical advisers and/or responsible person at each type of transport incident</li><li>• The role of other agencies and associated attending officers at incidents</li></ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>

### Practical application

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"><li>• Liaise with responsible persons' to develop an operational plan</li><li>• Request and liaise with a tactical adviser relative to the mode of transport involved</li></ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>



## Control measure - Establish appropriate cordons: Transport

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Understand: <ul style="list-style-type: none"><li>• Cordon size may be set by the incident, the mode of transport or its cargo</li><li>• The considerations when establishing cordons at each type of transport incident</li></ul> Refer to <a href="#">Establish appropriate cordon controls – Incident command training specification</a>

#### Practical application

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Establish and monitor cordons, appropriate to the mode of transport</li><li>• Restrict, record and manage access/egress to scene of operations</li></ul> Refer to <a href="#">Establish appropriate cordon controls – Incident command training specification</a>



## Control measure - Ensure effective multi-agency working



## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Ensure effective multi-agency working	Understand: <ul style="list-style-type: none"><li>• The principles of joint working in the multi-agency environment</li><li>• The need to establish effective communications with other agencies</li><li>• Methods of sharing information with other agencies</li></ul> Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>

### Practical application

Control measure element	Learning outcome
Ensure effective multi agency working	Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>



## Control measure - Establish proportionate control over the railway

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Establish proportionate control over the railway	Refer to Hazard - <a href="#">Rail transport incidents</a>

### Practical application

Control measure element	Learning outcome
Establish proportionate control over the railway	Refer to Hazard – <a href="#">Rail transport incidents</a>



## Control measure - Appoint safety officers

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Appoint safety officers	Understand: <ul style="list-style-type: none"> <li>• The considerations when positioning safety officers at rail incidents</li> <li>• The delegated responsibilities of a safety officer when working near railways</li> <li>• Methods of signalling to stop or slow trains</li> </ul> Refer to <a href="#">Incident ground safety management - Incident command training specification</a>

#### Practical application

Control measure element	Learning outcome
Appoint safety officers	Refer to <a href="#">Incident ground safety management - Incident command training specification</a>



## Control measure - Personal protective equipment (PPE): Rail

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Personal protective equipment (PPE): Rail	Understand: <ul style="list-style-type: none"><li>• The appropriate use of PPE in the rail environment</li><li>• The arrangements for wearing high visibility clothing with train operating companies</li></ul> Refer to <a href="#">Personal protective equipment (PPE) – Operations training specification</a>

### Practical application

Control measure element	Learning outcome
Personal protective equipment (PPE): Rail	Refer to Personal protective equipment (PPE) – Operations training specification



## Control measure - Identify places of refuge and safety

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Identify places of refuge and safety	Understand: <ul style="list-style-type: none"><li>• The signage associated with safety and refuge on railways</li><li>• The provision of safe walking routes near depots, sidings or stations</li><li>• How to move safely when moving around the rail infrastructure</li></ul>

**Practical application**

<b>Control measure element</b>	<b>Learning outcome</b>
Identify places of safety and refuge	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Identify and communicate safe working areas to relevant personnel</li><li>• Establish and communicate safe systems of work to all personnel</li><li>• Identify and interpret signage information in relation to places of safety and refuge</li><li>• Communicate signage information to all personnel</li></ul>



**Hazard -  
Track welding powder**

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**Knowledge and understanding**

<b>Hazard</b>	<b>Learning outcome</b>
Track welding powder	Understand all associated hazard knowledge



**Control measure -  
Request specialist knowledge  
from responsible person**

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**TRAINING SPECIFICATION**

**Knowledge and understanding**

Control measure element	Learning outcome
Request specialist knowledge from responsible person	Understand: <ul style="list-style-type: none"> <li>• How to identify track welding powder</li> <li>• The specific information a responsible person may provide about track welding powder</li> </ul>

### Practical application

Control measure element	Learning outcome
Request specialist knowledge from responsible person to mitigate risk	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Request specialist knowledge information from a responsible person</li> </ul>



## Control measure - Establish appropriate cordons: Transport

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Understand: <ul style="list-style-type: none"> <li>• Cordon size may be set by the incident, the mode of transport or its cargo</li> <li>• The considerations when establishing cordons at each type of transport incident</li> </ul> Refer to <a href="#">Establish appropriate cordon controls – Incident command training specification</a>

#### Practical application

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Establish and monitor cordons, appropriate to the mode of transport</li> <li>• Restrict, record and manage access/egress to scene of operations</li> </ul> Refer to <a href="#">Establish appropriate cordon controls - Incident command training specification</a>



## Hazard - Detonators

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### Knowledge and understanding

Hazard	Learning outcome
Detonators	Understand all associated hazard knowledge



## Control measure - Use tactical advisers and responsible person

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### TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The importance of gathering information from the appropriate person/authority</li> <li>• How to evaluate the accurate and relevant information a responsible person or agency may provide at a transport incident</li> <li>• The role of tactical advisers and/or responsible person at each type of transport incident</li> <li>• The role of other agencies and associated attending officers at incidents</li> </ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>

### Practical application

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Liaise with responsible persons' to develop an operational plan</li> <li>• Request and liaise with a tactical adviser relative to the mode of transport involved</li> </ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>



## Control measure - Establish appropriate cordons: Transport

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Understand: <ul style="list-style-type: none"> <li>• Cordon size may be set by the incident, the mode of transport or its cargo</li> <li>• The considerations when establishing cordons at each type of transport incident</li> </ul> Refer to <a href="#">Establish appropriate cordon controls - Incident command training specification</a>

### Practical application

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Establish and monitor cordons, appropriate to the mode of transport</li> <li>• Restrict, record and manage access/egress to scene of operations</li> </ul> Refer to <a href="#">Establish appropriate cordon controls - Incident command training specification</a>



## Hazard - Working within underground rail infrastructure

### Knowledge and understanding

Hazard	Learning outcome
Working within underground rail infrastructure	Understand all associated hazard knowledge



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



## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Produce Site-Specific Risk Information (SSRI) and emergency response plans	Understand: <ul style="list-style-type: none"><li>• The considerations when developing Site-Specific Risk Information for transport systems</li></ul> Refer to <a href="#">Site Specific Risk Information – Operations training specification</a>

### Practical application

Control measure element	Learning outcome
Use of Site-Specific Risk Information (SSRI)	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Access and review SSRI to inform a safe and effective tactical plan</li></ul> Refer to <a href="#">Site Specific Risk Information – Operations training specification</a>



## Control measure - Make a safe and controlled approach to the incident

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## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
<p>Make a safe and controlled approach to the incident</p>	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The considerations for safe and effective access to transport incidents</li> <li>• The hazards associated with approaching incidents involving transport systems</li> <li>• When rendezvous points (RVPs) or strategic holding areas may be required</li> <li>• The legislation relating to displaying appropriate warning beacons at incidents</li> <li>• The equipment used to display appropriate warning beacons</li> <li>• How to interpret location markers for different incident types</li> </ul>

**Practical application**

Control measure element	Learning outcome
<p>Make a safe and controlled approach to the incident</p>	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify suitable access routes and RVPs using SSRI</li> <li>• Communicate incident access point(s) and RVP information to other emergency responders</li> </ul>



## Control measure - Situational awareness: Transport

**TRAINING SPECIFICATION**

**Knowledge and understanding**

Control measure element	Learning outcome
Situational awareness: Transport	<p>Understand:</p> <ul style="list-style-type: none"> <li>• How the size of the scene and physical geography may affect how a scene survey is completed</li> <li>• Alternative methods of scene survey</li> <li>• The range of information sources that may be available at each type of transport incident</li> <li>• How to gather information from available sources</li> <li>• The considerations when gathering information</li> <li>• How to access and use vehicle data system information</li> </ul> <p>Refer to <a href="#">Situational awareness – Incident command training specification</a></p>

### Practical application

Control measure element	Learning outcome
Situational awareness: Transport	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify and gather information from a range of sources to gain accurate situational awareness</li> <li>• Communicate appropriate information to the relevant people/agency</li> </ul> <p>Refer to <a href="#">Situational awareness – Incident command training specification</a></p>



## Control measure - Use tactical advisers and responsible person

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The importance of gathering information from the appropriate person/authority</li> <li>• How to evaluate the accurate and relevant information a responsible person or agency may provide at a transport incident</li> <li>• The role of tactical advisers and/or responsible person at each type of transport incident</li> <li>• The role of other agencies and associated attending officers at incidents</li> </ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>

### Practical application

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Liaise with responsible persons' to develop an operational plan</li> <li>• Request and liaise with a tactical adviser relative to the mode of transport involved</li> </ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>



## Control measure - Establish appropriate cordons: Transport

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Understand: <ul style="list-style-type: none"> <li>• Cordon size may be set by the incident, the mode of transport or its cargo</li> <li>• The considerations when establishing cordons at each type of transport incident</li> </ul> Refer to <a href="#">Establish appropriate cordon controls – Incident command training specification</a>

### Practical application

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Establish and monitor cordons, appropriate to the mode of transport</li> <li>• Restrict, record and manage access/egress to scene of operations</li> </ul> Refer to <a href="#">Establish appropriate cordon controls – Incident command training specification</a>



## Control measure - Ensure effective multi-agency working

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Ensure effective multi-agency working	Understand: <ul style="list-style-type: none"> <li>• The principles of joint working in the multi-agency environment</li> <li>• The need to establish effective communications with other agencies</li> <li>• Methods of sharing information with other agencies</li> </ul> Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>

### Practical application

Control measure element	Learning outcome
Ensure effective multi agency working	Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>



## Control measure - Establish proportionate control over the railway

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Establish proportionate control over the railway	Refer to Hazard - <a href="#">Rail transport incidents</a>

#### Practical application

Control measure element	Learning outcome
Establish proportionate control over the railway	Refer to Hazard – <a href="#">Rail transport incidents</a>



## Control measure - Appoint safety officers

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Appoint safety officers	Understand: <ul style="list-style-type: none"><li>• The considerations when positioning safety officers at rail incidents</li><li>• The delegated responsibilities of a safety officer when working near railways</li><li>• Methods of signalling to stop or slow trains</li></ul> Refer to <a href="#">Incident ground safety management - Incident command training specification</a>

#### Practical application

Control measure element	Learning outcome
Appoint safety officers	Refer to <a href="#">Incident ground safety management - Incident command training specification</a>



## Control measure - Personal protective equipment (PPE): Rail

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Personal protective equipment (PPE): Rail	Understand: <ul style="list-style-type: none"> <li>• The appropriate use of PPE in the rail environment</li> <li>• The arrangements for wearing high visibility clothing with train operating companies</li> </ul> Refer to <a href="#">Personal protective equipment (PPE) – Operations training specification</a>

### Practical application

Control measure element	Learning outcome
Personal protective equipment (PPE): Rail	Refer to Personal protective equipment (PPE) – Operations training specification



## Control measure - Gather knowledge of the infrastructure

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Gather knowledge of the infrastructure	Understand: <ul style="list-style-type: none"> <li>• The specific information a responsible person can provide regarding underground rail infrastructure</li> <li>• The facilities associated with underground rail infrastructure</li> <li>• Access, intervention and evacuation strategies</li> </ul>

### Practical application



Control measure element	Learning outcome
Gather knowledge of the infrastructure	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Maintain communication with the infrastructure controller to ensure accuracy of relevant information</li> </ul>



## Control measure - Identify appropriate tactical plan

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Identify appropriate tactical plan	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The specific hazards associated with underground rail infrastructure</li> <li>• The conditions associated with working in underground structures</li> <li>• Fixed installation and fire suppression systems in underground rail networks</li> <li>• How the responsible person can provide information to support the tactical plan</li> <li>• The operating principles of train operating companies</li> </ul> <p>Refer to National Operational Guidance: Fires and Firefighting- Piston effect.</p> <p>Refer to Subsurface, height, structures and confined spaces training specification - Underground structures</p>

#### Practical application

Control measure element	Learning outcome
Identify appropriate tactical plan	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Use information to develop and implement a safe and effective tactical plan</li> <li>• Maintain effective communications with the appropriate responsible persons</li> <li>• Assess the impact of firefighting operations on the public</li> </ul>



## Control measure - Produce Site-Specific Risk Information (SSRI) and emergency response plans

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Produce Site-Specific Risk Information (SSRI) and emergency response plans	Refer to <a href="#">All transport hazards - Transport incidents</a>

#### Practical application

Control measure element	Learning outcome
Produce Site-Specific Risk Information (SSRI) and emergency response plans	Refer to <a href="#">All transport hazards - Transport incidents</a>



## Hazard - On-board train systems

## Knowledge and understanding

Hazard	Learning outcome
On-board train systems	Understand all associated hazard knowledge



## Control measure - Request specialist knowledge from responsible person

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## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Request specialist knowledge from responsible person	Understand: <ul style="list-style-type: none"><li>• How to identify track welding powder</li><li>• The specific information a responsible person may provide about track welding powder</li></ul>

### Practical application

Control measure element	Learning outcome
Request specialist knowledge from responsible person to mitigate risk	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Request specialist knowledge information from a responsible person</li></ul>



## Hazard - Hazardous materials within the construction of rolling stock

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### Knowledge and understanding

Hazard	Learning outcome
Hazardous materials within the construction of rolling stock	Understand all associated hazard knowledge



## Control measure - Request hazardous materials and environmental protection advice

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Request hazardous materials and environmental protection advice	Refer to Hazardous materials and <a href="#">Environmental protection</a> training specifications

#### Practical application

Control measure element	Learning outcome
Request hazardous materials and environmental protection advice	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Request information from a responsible person relating to hazardous materials</li> <li>• Request information from a responsible person relating to environmental protection advice</li> <li>• Access appropriate information from on-site sources</li> </ul>



## Hazard - Incidents on or near to railway crossings

## Knowledge and understanding

Hazard	Learning outcome
Incidents on or near to railway crossings	Understand all associated hazard knowledge



## Control measure - Produce Site-Specific Risk Information (SSRI) and emergency response plans

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Produce Site-Specific Risk Information (SSRI) and emergency response plans	Refer to <a href="#">All transport hazards - Transport incidents</a>

#### Practical application

Control measure element	Learning outcome
Produce Site-Specific Risk Information (SSRI) and emergency response plans	Refer to <a href="#">All transport hazards - Transport incidents</a>



## Control measure - Make a safe and controlled approach to the incident

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### TRAINING SPECIFICATION

## Knowledge and understanding

Control measure element	Learning outcome
Make a safe and controlled approach to the incident	Understand: <ul style="list-style-type: none"><li>• The considerations for safe and effective access to transport incidents</li><li>• The hazards associated with approaching incidents involving transport systems</li><li>• When rendezvous points (RVPs) or strategic holding areas may be required</li><li>• The legislation relating to displaying appropriate warning beacons at incidents</li><li>• The equipment used to display appropriate warning beacons</li><li>• How to interpret location markers for different incident types</li></ul>

## Practical application

Control measure element	Learning outcome
Make a safe and controlled approach to the incident	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Identify suitable access routes and RVPs using SSRI</li><li>• Communicate incident access point(s) and RVP information to other emergency responders</li></ul>



# Control measure - Situational awareness: Transport

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## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Situational awareness: Transport	<p>Understand:</p> <ul style="list-style-type: none"> <li>• How the size of the scene and physical geography may affect how a scene survey is completed</li> <li>• Alternative methods of scene survey</li> <li>• The range of information sources that may be available at each type of transport incident</li> <li>• How to gather information from available sources</li> <li>• The considerations when gathering information</li> <li>• How to access and use vehicle data system information</li> </ul> <p>Refer to <a href="#">Situational awareness – Incident command training specification</a></p>

### Practical application

Control measure element	Learning outcome
Situational awareness: Transport	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify and gather information from a range of sources to gain accurate situational awareness</li> <li>• Communicate appropriate information to the relevant people/agency</li> </ul> <p>Refer to <a href="#">Situational awareness – Incident command training specification</a></p>



## Control measure - Use tactical advisers and responsible person

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The importance of gathering information from the appropriate person/authority</li> <li>• How to evaluate the accurate and relevant information a responsible person or agency may provide at a transport incident</li> <li>• The role of tactical advisers and/or responsible person at each type of transport incident</li> <li>• The role of other agencies and associated attending officers at incidents</li> </ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>

### Practical application

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Liaise with responsible persons' to develop an operational plan</li> <li>• Request and liaise with a tactical adviser relative to the mode of transport involved</li> </ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>



## Control measure - Establish appropriate cordons: Transport

### TRAINING SPECIFICATION

#### Knowledge and understanding



Control measure element	Learning outcome
Establish appropriate cordons: Transport	Understand: <ul style="list-style-type: none"> <li>• Cordon size may be set by the incident, the mode of transport or its cargo</li> <li>• The considerations when establishing cordons at each type of transport incident</li> </ul> Refer to <a href="#">Establish appropriate cordon controls - Incident command training specification</a>

### Practical application

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Establish and monitor cordons, appropriate to the mode of transport</li> <li>• Restrict, record and manage access/egress to scene of operations</li> </ul> Refer to <a href="#">Establish appropriate cordon controls - Incident command training specification</a>



## Control measure - Ensure effective multi-agency working

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Ensure effective multi-agency working	Understand: <ul style="list-style-type: none"> <li>• The principles of joint working in the multi-agency environment</li> <li>• The need to establish effective communications with other agencies</li> <li>• Methods of sharing information with other agencies</li> </ul> Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>

### Practical application

Control measure element	Learning outcome
Ensure effective multi agency working	Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>



## Control measure - Establish proportionate control over the railway

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Establish proportionate control over the railway	Refer to Hazard - <a href="#">Rail transport incidents</a>

#### Practical application

Control measure element	Learning outcome
Establish proportionate control over the railway	Refer to Hazard – <a href="#">Rail transport incidents</a>



## Control measure - Appoint safety officers

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Appoint safety officers	Understand: <ul style="list-style-type: none"><li>• The considerations when positioning safety officers at rail incidents</li><li>• The delegated responsibilities of a safety officer when working near railways</li><li>• Methods of signalling to stop or slow trains</li></ul> Refer to <a href="#">Incident ground safety management - Incident command training specification</a>

#### Practical application

Control measure element	Learning outcome
Appoint safety officers	Refer to <a href="#">Incident ground safety management - Incident command training specification</a>



## Control measure - Personal protective equipment (PPE): Rail

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Personal protective equipment (PPE): Rail	Understand: <ul style="list-style-type: none"> <li>• The appropriate use of PPE in the rail environment</li> <li>• The arrangements for wearing high visibility clothing with train operating companies</li> </ul> Refer to <a href="#">Personal protective equipment (PPE) – Operations training specification</a>

### Practical application

Control measure element	Learning outcome
Personal protective equipment (PPE): Rail	Refer to Personal protective equipment (PPE) – Operations training specification



## Road



## Hazard - Road transport incidents

### Knowledge and understanding

Hazard	Learning outcome
Road transport incidents	Understand all associated hazard knowledge



## Control measure - Produce Site-Specific Risk

# response plans

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## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Produce Site-Specific Risk Information (SSRI) and emergency response plans	Refer to <a href="#">All transport hazards – Transport incidents</a>

### Practical application

Control measure element	Learning outcome
Produce Site-Specific Risk Information (SSRI) and emergency response plans	Refer to <a href="#">All transport hazards – Transport incidents</a>



## Control measure - Make a safe and controlled approach to the incident

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## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
<p>Make a safe and controlled approach to the incident</p>	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The considerations for safe and effective access to transport incidents</li> <li>• The hazards associated with approaching incidents involving transport systems</li> <li>• When rendezvous points (RVPs) or strategic holding areas may be required</li> <li>• The legislation relating to displaying appropriate warning beacons at incidents</li> <li>• The equipment used to display appropriate warning beacons</li> <li>• How to interpret location markers for different incident types</li> </ul>

**Practical application**

Control measure element	Learning outcome
<p>Make a safe and controlled approach to the incident</p>	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify suitable access routes and RVPs using SSRI</li> <li>• Communicate incident access point(s) and RVP information to other emergency responders</li> </ul>



## Control measure - Situational awareness: Transport

**TRAINING SPECIFICATION**

**Knowledge and understanding**

Control measure element	Learning outcome
Situational awareness: Transport	<p>Understand:</p> <ul style="list-style-type: none"> <li>• How the size of the scene and physical geography may affect how a scene survey is completed</li> <li>• Alternative methods of scene survey</li> <li>• The range of information sources that may be available at each type of transport incident</li> <li>• How to gather information from available sources</li> <li>• The considerations when gathering information</li> <li>• How to access and use vehicle data system information</li> </ul> <p>Refer to <a href="#">Situational awareness – Incident command training specification</a></p>

### Practical application

Control measure element	Learning outcome
Situational awareness: Transport	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify and gather information from a range of sources to gain accurate situational awareness</li> <li>• Communicate appropriate information to the relevant people/agency</li> </ul> <p>Refer to <a href="#">Situational awareness – Incident command training specification</a></p>



## Control measure - Use tactical advisers and responsible person

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The importance of gathering information from the appropriate person/authority</li> <li>• How to evaluate the accurate and relevant information a responsible person or agency may provide at a transport incident</li> <li>• The role of tactical advisers and/or responsible person at each type of transport incident</li> <li>• The role of other agencies and associated attending officers at incidents</li> </ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>

### Practical application

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Liaise with responsible persons' to develop an operational plan</li> <li>• Request and liaise with a tactical adviser relative to the mode of transport involved</li> </ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>



## Control measure - Establish appropriate cordons: Transport

### TRAINING SPECIFICATION

#### Knowledge and understanding



Control measure element	Learning outcome
Establish appropriate cordons: Transport	Understand: <ul style="list-style-type: none"> <li>• Cordon size may be set by the incident, the mode of transport or its cargo</li> <li>• The considerations when establishing cordons at each type of transport incident</li> </ul> Refer to <a href="#">Establish appropriate cordon controls – Incident command training specification</a>

### Practical application

Control measure element	Learning outcome
Establish appropriate cordons: Transport	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Establish and monitor cordons, appropriate to the mode of transport</li> <li>• Restrict, record and manage access/egress to scene of operations</li> </ul> Refer to <a href="#">Establish appropriate cordon controls – Incident command training specification</a>



## Control measure - Ensure effective multi-agency working

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Ensure effective multi-agency working	Understand: <ul style="list-style-type: none"> <li>• The principles of joint working in the multi-agency environment</li> <li>• The need to establish effective communications with other agencies</li> <li>• Methods of sharing information with other agencies</li> </ul> Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>

**Practical application**

Control measure element	Learning outcome
Ensure effective multi agency working	Refer to <a href="#">Clearly defined command roles and responsibilities incorporating multi-agency arrangements – Incident command training specification</a>



**Hazard -  
Moving vehicles: Roadways**

**Knowledge and understanding**

Hazard	Learning outcome
Moving vehicles: Roadways	Understand all associated hazard knowledge



**Control measure -  
Cordons: Moving vehicles on roadways**

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Cordons: Moving vehicles on roadways	Understand:□ <ul style="list-style-type: none"><li>• Appropriate positions for cordon placement on roadways</li><li>• Appropriate use of fire and rescue service vehicles to provide shielding for personnel at incidents involving moving vehicles on roadways</li><li>• The use of safe systems of work to manage other road users□at incidents involving moving vehicles on roadways</li><li>• The use of warning signs, lights and cones□at incidents involving moving vehicles on roadways</li><li>• The role of safety officers at incidents involving moving vehicles on roadways</li></ul>

### Practical application

Control measure element	Learning outcome
Cordons: Moving vehicles on roadways	Demonstrate the ability to:□ <ul style="list-style-type: none"><li>• Work with relevant agencies to establish cordons on roadways</li><li>• Establish and monitor appropriate inner and outer cordons based on the position of the incident, the road type and speed of traffic</li><li>• Use safe systems of work to protect people and resources□on various roadways□</li><li>• Make best use of fire and rescue service vehicles and equipment to warn and fend off moving vehicles</li></ul>



## Control measure - Control vehicle movements: Roadways

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Control vehicle movements: Roadways	Understand: <ul style="list-style-type: none"><li>• Which agencies can assist with closing roads or establishing traffic management systems</li><li>• The applicable legislation and methods available to close roads or establish traffic management systems</li><li>• The considerations for closing roads or establishing traffic management systems</li></ul>

### Practical application

Control measure element	Learning outcome
Control vehicle movements	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Identify and request assistance from the appropriate agency to close roads or establish a traffic management system</li><li>• Implement, monitor and maintain traffic management arrangements</li><li>• Effectively use safety officers to monitor personnel working on roadways</li><li>• Perform the role of safety officer in order to control vehicle movements on roadways</li></ul>



## Control measure - Personal protective equipment: Roadways

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Personal protective equipment: Roadways	Understand: <ul style="list-style-type: none"> <li>The correct use and conforming standards for high-visibility PPE</li> </ul> Refer to <a href="#">Personal protective equipment (PPE) – Operations training specification</a>

### Practical application

Control measure element	Learning outcome
Personal protective equipment: Roadways	Demonstrate the ability to: <ul style="list-style-type: none"> <li>Select and wear the appropriate level of PPE when working on roadways</li> </ul> Refer to <a href="#">Personal protective equipment (PPE) – Operations training specification</a>



## Hazard - Operating on SMART and all lane running (ALR) motorways

### Knowledge and understanding

Hazard	Learning outcome
Operating on SMART and all lane running (ALR) motorways	Understand all associated hazard knowledge



## Control measure - Use agreed operating procedures

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Use agreed operating procedure	Understand: <ul style="list-style-type: none"><li>• The procedures associated with SMART and all lane running (ALR) motorways and their potential impact on fire and rescue service operations</li><li>• Standard reverse access</li><li>• Dynamic reverse access</li></ul>

### Practical application

Control measure element	Learning outcome
Use agreed operating procedure	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Work effectively and safely with people and vehicles when access to a roadway is affected</li><li>• Clearly communicate traffic information with others</li><li>• Apply agreed contingency mobilising procedures when access to a roadway is restricted</li></ul>



## Hazard - Deformation of crash barriers

### Knowledge and understanding

Hazard	Learning outcome
Deformation of crash barriers	Understand all associated hazard knowledge



## Control measure - Make safe any affected barriers

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## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Makes safe affected barriers	Understand: <ul style="list-style-type: none"><li>• The types of crash barrier in use</li><li>• The process required to make a crash barrier safe</li><li>• The importance of seeking specialist advice to ensure associated hazards are managed appropriately</li><li>• The hazards of a compromised steel wire rope crash barrier under tension</li><li>• The hazards associated with a vehicle that has come to rest on a crash barrier</li></ul>

### Practical application

Control measure element	Learning outcome
Makes safe affected barriers	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Apply appropriate safe systems of work to mitigate the hazards of an affected crash barrier</li><li>• Communicate crash barrier information to the appropriate department/authority</li></ul>



## Hazard - Objects involved in a collision

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### Knowledge and understanding

Hazard	Learning outcome
Objects involved in a collision	Understand all associated hazard knowledge



## Control measure - Identify the direction of movement of the objects involved in a collision

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Identify the direction of movement of the objects involved in a collision	Understand: <ul style="list-style-type: none"><li>• The term 'street furniture'</li><li>• How topography may affect the stability of an object involved in a collision</li><li>• The procedures to be adopted when street furniture may affect operations at a road traffic incident</li></ul>

#### Practical application

Control measure element	Learning outcome
Identify the direction of movement of the objects involved in a collision	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Assess the impact of a vehicle collision on street furniture</li><li>• Communicate relative collision information to others</li><li>• Adopt safe systems of work in situations when vehicles have not yet been stabilised</li></ul>



## Control measure - Relocate the object(s) in a



# controlled manner

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Relocate the object(s) in a controlled manner	Understand: <ul style="list-style-type: none"><li>• The considerations when relocating objects at a road traffic incident</li><li>• The additional considerations when objects are in contact with a vehicle involved in a road traffic incident</li><li>• When specialist resources or advice may be required to assist in isolating or removing objects involved in collision</li></ul>

### Practical application

Control measure element	Learning outcome
Relocate the object(s) in a controlled manner	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Work effectively with others to make the scene safe</li><li>• Select the appropriate safe systems of work to relocate objects in a controlled manner</li><li>• Identify areas of safety where objects can be relocated</li></ul>



## Hazard - Affected vehicle contents

### Knowledge and understanding

Hazard	Learning outcome
Affected vehicle contents	Understand all associated hazard knowledge



## Control measure - Identify the direction of movement

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Identify the direction of movement	Understand: <ul style="list-style-type: none"><li>• The importance of determining a vehicles direction of movement at a road traffic incident</li><li>• The hazards that may be present when vehicle contents have shifted in a road traffic incident</li><li>• How to assess the potential movement of vehicle contents and their effect on vehicle stability</li></ul>

#### Practical application

Control measure element	Learning outcome
Identify the direction of movement	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Identify unstable loads associated with vehicle contents</li><li>• Communicate hazard information to relevant personnel</li><li>• Adopt safe systems of work in situations when vehicles have not yet been stabilised</li></ul>



## Control measure - Assess stability

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### TRAINING SPECIFICATION

## Knowledge and understanding

Control measure element	Learning outcome
Assess stability	Understand: <ul style="list-style-type: none"><li>• How to assess the stability of a craft or vehicle</li><li>• How insecure loads and affected infrastructure affect stability</li><li>• How operational activity affects stability of a craft/vehicle</li></ul>

## Practical application

Control measure element	Learning outcome
Assess stability	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Identify and assess the stability of craft or vehicles and affected infrastructure</li><li>• Establish appropriate cordons considering how an unstable vehicle may move</li><li>• Communicate hazard and risk information to emergency responders</li></ul>



# Control measure - Stabilise the vehicle contents

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## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Stabilise the vehicle contents	Understand: <ul style="list-style-type: none"><li>• How the contents of a vehicle may impact its stability</li><li>• Methods of stabilising a vehicles contents</li></ul> Refer to <a href="#">Hazard – Unstable mode of transport - Assess stability, and Stabilise the mode of transport</a>

## Practical application

Control measure element	Learning outcome
Stabilise the vehicle contents	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Identify and communicate vehicle content information to relevant personnel</li></ul> Refer to <a href="#">Hazard – Unstable mode of transport - Assess stability, and Stabilise the mode of transport</a>



## Control measure - Empty the vehicle load to a safe place

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## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Empty the vehicle load to a safe place	Understand: <ul style="list-style-type: none"><li>• The importance of maintaining safe systems of work to mitigate the hazards from vehicle contents</li><li>• The procedures to be adopted should contents require removal from a vehicle</li><li>• The need to assess stability as items are removed from a vehicle</li></ul>

### Practical application

Control measure element	Learning outcome
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Control measure element	Learning outcome
Empty the vehicle load to a safe place	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Work effectively and safely with all people at roadway incidents</li> <li>• Adopt safe systems of work to stabilise a vehicle involved in a roadway incident</li> <li>• Plan, evaluate and monitor places of safety when moving a vehicles contents</li> </ul>



## Control measure - Identify an effective method of entry

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Identify an effective method of entry	Understand: <ul style="list-style-type: none"> <li>• How a collision will affect vehicle contents</li> <li>• The procedures for gaining access to a vehicle whilst considering its contents</li> <li>• The process to be adopted should specialist resources be required to assist at a road traffic incident</li> </ul>

#### Practical application

Control measure element	Learning outcome
Identify an effective method of entry	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Assess a vehicles contents, involved in a roadway incident prior to entry</li> <li>• Establish appropriate techniques to stabilise and gain entry to a vehicle</li> </ul>



## Hazard - Alternative fuel vehicles (AFV)

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### Knowledge and understanding

Hazard	Learning outcome
Alternative fuel vehicles (AFV)	Understand all associated hazard knowledge



## Control measure - Identify alternative fuel vehicles

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Identify alternative fuel vehicles	Understand: <ul style="list-style-type: none"><li>• The sources of information that will assist when identifying alternative fuel vehicles</li></ul>

#### Practical application

Control measure element	Learning outcome
Identify alternative fuel vehicles	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Use the available information to identify alternative fuel vehicles</li><li>• Mark or communicate the presence of alternative fuel vehicles</li></ul>



## Control measure - Immobilise alternative fuel vehicles

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Immobilise alternative fuel vehicles	Understand: <ul style="list-style-type: none"><li>• Why it may be necessary to take additional steps to immobilise alternative fuel vehicles</li><li>• What information should be gathered when working near alternative fuel vehicles</li><li>• How to immobilise alternative fuel vehicles</li></ul>

#### Practical application

Control measure element	Learning outcome
Immobilise alternative fuel vehicles	Demonstrate the ability to <ul style="list-style-type: none"><li>• Immobilise and make safe different types of alternative fuel vehicles</li><li>• Access manufacturer's guidance to immobilise alternative fuel vehicles</li></ul>



## Control measure - Isolate high-voltage systems

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### TRAINING SPECIFICATION

## Knowledge and understanding

Control measure element	Learning outcome
Isolate high-voltage systems	Understand: <ul style="list-style-type: none"><li>• Why it is necessary to isolate high voltage systems used in alternative fuel vehicles</li><li>• Methods of isolating high voltage systems used in alternative fuel vehicles</li><li>• The affect of residual charge in high voltage systems used in alternative fuel vehicles</li></ul>

## Practical application

Control measure element	Learning outcome
Isolate high-voltage systems	Demonstrate the ability to <ul style="list-style-type: none"><li>• Identify high voltage isolation points used in alternative fuel vehicles</li><li>• Isolate high voltage systems in alternative fuel vehicles</li><li>• Power down the alternative fuel vehicles using the manufactures guidance</li></ul>



# Control measure - Stabilise and access alternative fuel vehicles

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## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
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Control measure element	Learning outcome
Appropriate stabilisation and methods of accessing alternative fuel vehicles (AFV)	Understand: <ul style="list-style-type: none"> <li>• Why conventional techniques may be inappropriate for stabilising or accessing alternative fuel vehicles</li> <li>• The techniques used to stabilise and access alternative fuel vehicles</li> </ul>

### Practical application

Control measure element	Learning outcome
Appropriate stabilisation and methods of accessing alternative fuel vehicles (AFV)	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Stabilise and access alternative fuel vehicles considering fuel lines and high-voltage cables</li> </ul>



## Hazard - Unconventional or specialist road vehicles

### Knowledge and understanding

Hazard	Learning outcome
Unconventional or specialist road vehicles	Understand all associated hazard knowledge



## Control measure - Use tactical advisers and responsible person

### TRAINING SPECIFICATION

## Knowledge and understanding

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Understand:</p> <ul style="list-style-type: none"><li>• The importance of gathering information from the appropriate person/authority</li><li>• How to evaluate the accurate and relevant information a responsible person or agency may provide at a transport incident</li><li>• The role of tactical advisers and/or responsible person at each type of transport incident</li><li>• The role of other agencies and associated attending officers at incidents</li></ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>

## Practical application

Control measure element	Learning outcome
Use tactical advisers and responsible person	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"><li>• Liaise with responsible persons' to develop an operational plan</li><li>• Request and liaise with a tactical adviser relative to the mode of transport involved</li></ul> <p>Refer to <a href="#">Specialist advice – Incident command training specification</a></p>



# Control measure - Contain the vehicle cargo

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## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Contain the vehicle cargo	Understand: <ul style="list-style-type: none"> <li>• The arrangements that can be made to manage a vehicles cargo when involved in a road traffic incident</li> </ul> Refer to <a href="#">Hazard – Affected vehicle contents – Working with road vehicles</a>

### Practical application

Control measure element	Learning outcome
Contain the vehicle cargo	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Identify and contain vehicle contents appropriately</li> </ul> Refer to <a href="#">Hazard – Affected vehicle contents – Working with road vehicles</a>



## Control measure - Identify and isolate electrical and fuel systems

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Identify and isolate electrical and fuel systems	Understand: <ul style="list-style-type: none"> <li>• The difficulties that may be associated with identifying and accessing fuel and electrical systems in unconventional vehicle's</li> <li>• Methods to identify electrical and fuel systems in unconventional vehicles</li> </ul> Refer to <a href="#">Hazard – Fuel and electrical systems – All transport hazards</a>

### Practical application

Control measure element	Learning outcome
Identify and isolate electrical and fuel systems	Refer to <a href="#">Hazard – Fuel and electrical systems – All transport hazards</a>



## Control measure - Use specialist cutting equipment

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Use specialist cutting equipment	Understand: <ul style="list-style-type: none"> <li>• The construction techniques of specialist vehicles</li> <li>• The difficulties associated with gaining access to unconventional and specialist road vehicles</li> <li>• The importance of requesting additional resources in a timely manner</li> <li>• The use of tools and equipment for unconventional and specialist vehicles</li> </ul>

#### Practical application

Control measure element	Learning outcome
Use specialist cutting equipment	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Request specialist rescue tools and equipment</li> <li>• Use specialist tools and equipment on unconventional or specialist vehicles</li> </ul>



## Hazard - Vehicle safety systems

## Knowledge and understanding

Hazard	Learning outcome
Vehicle safety systems	Understand all associated hazard knowledge



## Control measure - Identify the vehicle safety systems and communicate the information

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Identify the vehicle safety systems and communicate the information	Understand: <ul style="list-style-type: none"><li>• The types and use of vehicle safety systems</li><li>• How to identify the presence of vehicle safety systems</li></ul>

#### Practical application

Control measure element	Learning outcome
Identify the vehicle safety systems and communicate the information	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Use appropriate methods to identify vehicle safety systems in vehicles</li><li>• Communicate information about vehicle safety systems to relevant people</li></ul>



## Control measure - Establish an appropriate safe

# distance for vehicle safety systems

## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Establish an appropriate safe distance for vehicle safety systems (SRS)	Understand: <ul style="list-style-type: none"><li>• How different vehicle safety systems deploy and their associated hazards</li><li>• The appropriate safe working distance for vehicle safety systems</li><li>• The hazard of placing unsecured objects near vehicle safety systems (SRS)</li><li>• The procedures to be adopted at incidents for vehicle safety systems</li><li>• The importance of establishing and maintaining effective communication with personnel in relation to vehicle safety systems</li></ul>

### Practical application

Control measure element	Learning outcome
Establish an appropriate safe distance for vehicle safety systems	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Operate at a safe working distance from vehicle safety systems</li><li>• Clearly communicate information with others about safe working distances for identified vehicle safety systems</li><li>• Control the use of radios within the vicinity of vehicle safety systems</li></ul>



## Control measure - Isolate vehicle safety systems

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### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Isolate vehicle safety systems	Understand: <ul style="list-style-type: none"><li>• The situations when a vehicle safety system should be isolated</li><li>• The hazards associated with isolation of vehicle safety systems</li><li>• The methods used to isolate vehicle safety systems</li><li>• The importance of not delaying a rescue unnecessarily when a vehicle safety system is armed and the procedures to be adopted</li></ul>

#### Practical application

Control measure element	Learning outcome
Isolate vehicle safety systems	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Safely and effectively isolate vehicle safety systems</li><li>• Use appropriate equipment and/or safe systems of work when vehicle safety systems cannot be isolated</li></ul>



## Control measure - Avoid manipulating or damaging vehicle safety systems

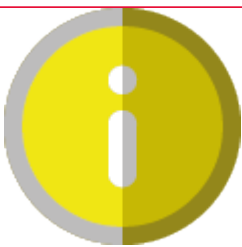
## TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Avoid manipulating or damaging vehicle safety systems	Understand: <ul style="list-style-type: none"><li>• The procedures to be adopted to limit damage when revealing the location of vehicle safety systems</li><li>• How to safely manage vehicle safety systems and component parts that may have to be removed from a vehicle</li><li>• The control measures required when removing vehicle safety systems</li></ul>

### Practical application

Control measure element	Learning outcome
Avoid manipulating or damaging vehicle safety systems	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Adopt a safe system of work that avoid manipulating or damaging vehicle safety systems</li></ul>



## Waterways



## Hazard - Bodies of water: Transport

### Knowledge and understanding



Hazard	Learning outcome
Bodies of water: Transport	Understand all associated hazard knowledge



## Control measure - Develop knowledge of operating systems and terminology

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Develop knowledge of operating systems and terminology	Understand: <ul style="list-style-type: none"> <li>• The terminology associated with inland waterways</li> <li>• The use of operating systems associated with inland waterways</li> <li>• The use of structures associated with inland waterways</li> </ul>

#### Practical application

There is no Practical application



## Control measure - Specialist advice: Waterways

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Specialist advice: Waterways	Understand: <ul style="list-style-type: none"> <li>• The information a responsible person or agency may provide at a water transport incident</li> <li>• Arrangements for obtaining waterways information</li> </ul>

### Practical application

Control measure element	Learning outcome
Obtain specialist advice to support command decisions	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Identify and evaluate specialist advice from a variety of reliable sources</li> </ul>



## Hazard - Construction of vessels

### Knowledge and understanding

Hazard	Learning outcome
Construction of vessels	Understand all associated hazard knowledge



## Control measure - Be familiar with vessels

### TRAINING SPECIFICATION

### Knowledge and understanding

Control measure element	Learning outcome
Be familiar with vessels	Understand: <ul style="list-style-type: none"> <li>• The benefits of familiarisation visits to establish hazards and procedures on vessels</li> <li>• The common features of vessels</li> <li>• The terminology associated with vessels</li> <li>• Ships emergency procedures</li> </ul>

### Practical application

Control measure element	Learning outcome
Be familiar with vessels	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Identify the key areas of a vessel</li> <li>• Liaise with specialist personnel to gather vessel layout information</li> <li>• Communicate relevant vessel layout information with others</li> <li>• Use appropriate specialist equipment</li> </ul>



## Control measure - Use ship fire control plans

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Use ship fire control plans	Understand: <ul style="list-style-type: none"> <li>• The information contained within a ship fire control plan</li> <li>• How to access and evaluate a ship fire control plan</li> <li>• How to exchange information with the ship's master whilst utilising ship fire control plans</li> <li>• The need to consult the ship's master when developing a tactical plan</li> </ul>

## Practical application

Control measure element	Learning outcome
Use ship fire control plans to identify areas of tactical importance	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Access and evaluate a vessel's fire control plan</li><li>• Agree and implement any tactical plan with the ship's master/responsible person</li><li>• Communicate relevant information to the appropriate personnel</li></ul>



## Hazard - Unstable vessel

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## Knowledge and understanding

Hazard	Learning outcome
Unstable vessel	Understand all associated hazard knowledge



## Control measure - Appoint a stability liaison officer

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## TRAINING SPECIFICATION

## Knowledge and understanding

Control measure element	Learning outcome
Appoint a stability liaison officer	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The causes, signs and symptoms of vessel instability</li> <li>• The need for early intervention and application of corrective stability measures</li> <li>• The role of the responsible person when evaluating a vessels stability</li> <li>• The information relevant to a vessel's stability</li> <li>• The role of a stability officer</li> <li>• The information available from ship classification societies and how to access it</li> <li>• How to use available equipment to remove water from a vessel</li> </ul>

### Practical application

Control measure element	Learning outcome
Appoint a stability liaison officer	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Establish contact with the responsible person on matters relating to a vessels stability</li> <li>• Monitor the effects of operational activities on vessel stability</li> <li>• Communicate relevant information to specialist advisers to allow an accurate assessment of a vessel's stability</li> </ul>



## Control measure - Minimise free surface effect

### TRAINING SPECIFICATION

#### Knowledge and understanding

Control measure element	Learning outcome
Minimise free surface effect	Understand: <ul style="list-style-type: none"> <li>• The causes of free surface effect</li> <li>• How the free surface effect impacts on the stability of a vessel</li> <li>• How to identify and control the free surface effect</li> </ul>

### Practical application

Control measure element	Learning outcome
Minimise free surface effect	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Establish safe control and effective management to minimise the free surface effect on a vessel</li> <li>• Use equipment to remove water from a vessel</li> </ul>