



Hazard - Flammable or explosive atmosphere	2
<i>Control measure - Avoid entry</i>	2
<i>Control measure - Carry out atmospheric testing and monitoring</i>	3
<i>Control measure - Consider ventilation</i>	3
<i>Control measure - Isolate or limit ignition sources</i>	4
<i>Control measure - Isolate or limit gases, liquids or flowing materials</i>	5
<i>Control measure - Use intrinsically safe equipment</i>	6
<i>Control measure - Implement supervision arrangements</i>	6
<i>Control measure - Establish effective communications</i>	7
<i>Control measure - Maintain safe access and egress: Confined space</i>	8
<i>Control measure - Personal protective equipment (PPE): Confined spaces</i>	9
<i>Control measure - Respiratory protective equipment (RPE)</i>	9



Hazard - Flammable or explosive atmosphere

Knowledge and understanding

Hazard	Learning outcome
Flammable or explosive atmosphere	Understand all associated hazard knowledge



Control measure - Avoid entry

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Avoid entry	Understand: <ul style="list-style-type: none">• The regulations associated with making entry to a confined space (see also equivalent devolved legislation)• The hazards and risks associated with confined space• The limitations of a person's knowledge, training and equipment so they can risk assess and make informed tactical decisions in the confined space environment

Practical application

Control measure element	Learning outcome
Avoid entry	Demonstrate the ability to: <ul style="list-style-type: none"> • Evaluate options that avoid the need to work in a confined space • Risk-assess the confined space prior to committing personnel when entry is unavoidable



Control measure - Carry out atmospheric testing and monitoring

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Carry out atmospheric testing and monitoring	Understand: <ul style="list-style-type: none"> • When atmospheric monitoring should be carried out • How atmospheric monitoring is achieved • Types of atmospheric conditions that can be monitored • Who should carry out atmospheric monitoring

Practical application

Control measure element	Learning outcome
Carry out atmospheric testing and monitoring	Demonstrate the ability to: <ul style="list-style-type: none"> • Carry out atmospheric monitoring for a variety of gases to inform the incident plan



Control measure - Consider ventilation

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Consider ventilation	Understand: <ul style="list-style-type: none">• The benefits of ventilating a confined space to reduce risk from flammable, explosive and oxygen deficient atmospheres• How to assess and establish the appropriateness of a confined space to be ventilated

Practical application

Control measure element	Learning outcome
Consider ventilation	Demonstrate the ability to: <ul style="list-style-type: none">• Assess the appropriateness of a confined space to be ventilated• Apply procedures to ventilate a confined space to improve internal conditions



Control measure - Isolate or limit ignition sources

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Isolate or limit ignition sources	Understand: <ul style="list-style-type: none"> • The methods of preventing risk from ignition sources Refer to: Failure to manage health, safety and welfare – Operations training specification

Practical application

Control measure element	Learning outcome
Isolate or limit ignition sources	Demonstrate the ability to: <ul style="list-style-type: none"> • Isolate or limit all ignition sources prior to ventilating a confined space where appropriate Refer to: Failure to manage health, safety and welfare – Operations training specification



Control measure - Isolate or limit gases, liquids or flowing materials

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Isolate or limit gases, liquids or flowing materials	Understand: <ul style="list-style-type: none"> • The hazards and risks associated with the ingress of gas, liquids or flowing materials into a confined space • How movement through liquid or flowing materials may disturb and release toxic or asphyxiate gases • The benefits of removing gases, liquids or flowing materials from a confined space • How to remove gases, liquids or flowing materials from a confined space

Practical application

Control measure element	Learning outcome
Isolate or limit gases, liquids or flowing materials	Demonstrate the ability to: <ul style="list-style-type: none">• Investigate and determine the presence of gases, liquids or flowing materials in a confined space• Remove gases, liquids or flowing materials from a confined space, in an appropriate manner, when necessary• Carry out appropriate actions to reduce the risk of toxic or asphyxiate gases from liquids or flowing materials in a confined space



Control measure - Use intrinsically safe equipment

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Use intrinsically safe equipment	Understand: <ul style="list-style-type: none">• The importance of using intrinsically safe equipment in confined space where there is risk of a flammable or explosive atmosphere

Practical application

Control measure element	Learning outcome
Use intrinsically safe equipment	Demonstrate the ability to: <ul style="list-style-type: none">• Use intrinsically safe equipment in confined space where there is risk of a flammable or explosive atmosphere



Control measure - Implement supervision arrangements

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Implement supervision arrangements	Understand: <ul style="list-style-type: none">• The need for competent supervision and appropriate safety precautions during confined space work• Breathing apparatus procedures for confined space incidents

Practical application

Control measure element	Learning outcome
Implement supervision arrangements	Demonstrate the ability to: <ul style="list-style-type: none">• Establish appropriate supervision and safety precautions during confined space work• Apply appropriate breathing apparatus procedures for confined space incidents



Control measure - Establish effective communications

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Establish effective communications	Understand: <ul style="list-style-type: none"> • The capabilities and limitations of fire ground communications equipment in the confined space environment • Methods and systems to enable effective communications in the confined space environment Refer to: Have a communication strategy – Incident command training specification

Practical application

Control measure element	Learning outcome
Establish effective communications	Demonstrate the ability to: <ul style="list-style-type: none"> • Apply procedures to enable effective communications • Use communication equipment appropriate to the working environment Refer to: Have a communication strategy – Incident command training specification



Control measure - Maintain safe access and egress: Confined space

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Maintain safe access and egress: Confined space	Understand: <ul style="list-style-type: none"> • The hazards and risks associated with access and egress to a confined space • How to maintain safe access and egress to a confined space

Practical application

Control measure element	Learning outcome
Maintain safe access and egress: Confined space	Demonstrate the ability to: <ul style="list-style-type: none">• Establish and maintain appropriate safe access to and egress from a confined space• Implement contingency arrangements for safe access and egress where appropriate



Control measure - Personal protective equipment (PPE): Confined spaces

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Personal protective equipment PPE (confined space)	Understand: <ul style="list-style-type: none">• The use of suitable PPE for the confined space environment Refer to: Personal protective equipment (PPE) – Operations training specification

Practical application

Control measure element	Learning outcome
Personal protective equipment (PPE): Confined spaces	Demonstrate the ability to: <ul style="list-style-type: none">• Wear and use suitable PPE for the confined space environment• Refer to: Operations training specification



Control measure - Respiratory protective equipment (RPE)

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element	Learning outcome
Respiratory protective equipment (RPE)	<p>Understand the following:</p> <ul style="list-style-type: none">• The various types of RPE and when they should be considered for use• Use of appropriate RPE• Limitations of RPE <p>For further training specifications regarding self- contained breathing apparatus see – Breathing apparatus training specification</p>

Practical application

Control measure element	Learning outcome
Respiratory protective equipment (PPE):	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none">• Identify situations where the use of RPE is required• Select and use the appropriate type of RPE for various situations