



National  
Operational  
Guidance

## Section

### Breathing apparatus wearer



**NFCC**  
National Fire  
Chiefs Council

Developed and maintained by the NFCC

---



# Contents

Breathing apparatus wearer ..... 3

- BA Foundation element - Use breathing apparatus for respiratory protection* ..... 3
- BA Foundation element - Use navigation techniques and equipment whilst wearing breathing apparatus for respiratory protection* ..... 4
- BA Foundation element - Use BA entry control procedures* ..... 6
- BA Foundation element - Use BA search and rescue procedures* ..... 11
- BA Foundation element - BA team briefing/debriefing* ..... 12
- BA Foundation element - Use BA guidelines* ..... 13
- BA Foundation element - Manage available air supply* ..... 16
- BA Foundation element - Use airlines* ..... 17
- BA Foundation element - Use procedures for pressurised atmospheres* ..... 18
- BA Foundation element - Withdraw from the risk area whilst wearing BA* ..... 19
- BA Foundation element - Use effective BA communications* ..... 20
- BA Foundation element - Use telemetry systems* ..... 21
- BA Foundation element - Minimise the risk of heat related conditions* ..... 22
- BA Foundation element - Use procedures for dealing with BA emergencies* ..... 23
- BA Foundation element - Identify and record BA set failure* ..... 25
- BA Foundation element - Use BA welfare arrangements* ..... 26
- BA Foundation element - Use interoperability and intraoperability to incorporate other organisations* ..... 27
- BA Foundation element - Use breathing apparatus for compartment fire behaviour and firefighting response* ..... 28
- BA Foundation element - Use breathing apparatus to implement ventilation tactics during a fire and rescue response* ..... 29



## Breathing apparatus wearer

---

### Prerequisites

Pre-entry fire and rescue service requirements, demonstrated via the current recommended service process.

The role of breathing apparatus wearer is made up of the following training elements:

- [Use breathing apparatus for respiratory protection](#)
- [Use navigation techniques and equipment whilst wearing breathing apparatus for respiratory protection](#)
- [Use BA entry control procedures](#)
- [Use BA search and rescue procedures](#)
- [BA team briefing/debriefing](#)
- [Use BA guidelines](#)
- [Manage available air supply](#)
- [Use airlines](#)
- [Use procedures for pressurised atmospheres](#)
- [Withdraw from the risk area whilst wearing BA](#)
- [Use effective BA communications](#)
- [Use telemetry systems](#)
- [Minimise the risk of heat related conditions](#)
- [Use procedures for dealing with BA emergencies](#)
- [Identify and record BA set failure](#)
- [Use BA welfare arrangements](#)
- [Use interoperability and intraoperability to incorporate other organisations](#)
- [Use breathing apparatus for compartment fire behaviour and firefighting response](#)
- [Use breathing apparatus to implement ventilation tactics during a fire and rescue response](#)



## BA Foundation element - Use breathing apparatus for respiratory protection

---



## TRAINING SPECIFICATION

### Knowledge and understanding

---

#### Foundation element

The physiology and psychology of respiration and using breathing apparatus

#### Learning outcome

Understand:

- The composition of inspired and expired air
- The effects of physiological exertion in relation to consumption of air and the use of breathing apparatus
- The psychological effects of working in breathing apparatus and their impact on air consumption
- How psychological effects may be controlled and managed

### Practical application

---

#### Foundation element

Breathing apparatus set functionality

#### Learning outcome

Demonstrate the ability to:

- Identify and calculate the following:
  - Cylinder capacity
  - Full duration
  - Working duration
  - Safety margin
  - Turnaround time/pressure
  - Time of whistle



**BA Foundation element - Use navigation techniques and equipment whilst wearing breathing apparatus for respiratory protection**

---



## TRAINING SPECIFICATION

### Knowledge and understanding

---

#### Foundation element

Navigating when wearing breathing apparatus in a limited visibility environment

#### Learning outcome

Understand:

- The hazards associated with navigating in various risk environments whilst wearing breathing apparatus
- The procedures and techniques for safe movement as a BA team member within a risk area
- The navigational techniques appropriate to movement of BA wearers within the risk area
- The methods used to maintain close personal contact with BA team members
- The methods that a firefighter and the team can apply to retrace their steps along a path of entry
- The benefits of providing regular updates to the breathing apparatus entry control operative

### Practical application



---

**Foundation element**

**Learning outcome**

Navigating when wearing breathing apparatus in a limited visibility environment

Demonstrate the ability to:

- Identify the hazards when navigating in various risk environments whilst wearing breathing apparatus
- Perform the procedures and techniques for safe movement as a BA team member within a risk area
- Perform appropriate navigational techniques for the movement of BA wearers within the risk area
- Use appropriate methods to enable a BA team to retrace steps along a path of entry
- Use appropriate methods to maintain close personal contact with BA team members
- Perform the approved methods to search for fire and casualties
- Use appropriate equipment to achieve specific search objectives
- Perform the approved methods for providing regular updates to the breathing apparatus entry control operative



## BA Foundation element - Use BA entry control procedures

---

### TRAINING SPECIFICATION

#### Knowledge and understanding



---

Foundation element	Learning outcome
Using BA entry control procedures	Understand: <ul style="list-style-type: none"><li>• The rationale for using BA entry control procedures whenever BA is worn</li><li>• The purpose of the BA entry control point</li><li>• Where BA entry control points should be established</li><li>• How BA entry control points should be referenced</li><li>• How BA teams should be identified via the BA entry control point</li><li>• The purpose of a bridgehead or forward control point</li><li>• The factors to be taken into account when determining the location of a bridgehead or forward control point</li></ul>
Working in accordance with Stage 1 BA entry control	Understand: <ul style="list-style-type: none"><li>• The circumstances where Stage 1 entry control procedures apply</li></ul>
Working in accordance with Stage 2 BA entry control	Understand: <ul style="list-style-type: none"><li>• The circumstances where Stage 2 entry control procedures apply</li><li>• The additional provisions which should be established prior to the implementation of Stage 2 BA entry control procedures</li></ul>
Provision of a BA entry control point supervision	Understand: <ul style="list-style-type: none"><li>• The circumstances when a BA entry control point supervisor should be appointed</li></ul>
Provision of a BA Sector	Understand: <ul style="list-style-type: none"><li>• The circumstances when a BA Sector should be established</li><li>• The process for the establishment of a BA Sector</li></ul>



---

**Foundation element**

**Learning outcome**

Working in accordance with rapid/initial deployment procedures

Understand:

- The circumstances when rapid/initial deployment may be undertaken
- The protocols to be applied during rapid/initial deployment of BA wearers
- The responsibilities of BA wearers using rapid deployment procedures

Working in accordance with single BA wearer procedures

Understand:

- The circumstances when BA single wearer procedures are permissible
- The responsibilities of a single BA wearer
- The responsibilities of the monitoring crew member

Deploying as a BA wearer

Understand:

- The considerations before deploying BA wearers
- The roles responsible for the deployment of BA wearers

Re-entering a risk area as a BA wearer

Understand:

- The conditions and controls applicable to re-entry of BA wearers
- The responsibilities of BA wearers for re-entering a risk area

Using BA in conjunction with Aerial appliances and ladders

Understand:

- The protocols surrounding the use of BA in conjunction with aerial appliances and ladders

**Practical application**





---

Foundation element	Learning outcome
Use BA entry control procedures	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Use appropriate BA entry control procedures, whenever BA is worn</li><li>• Confirm understanding of a received brief prior to entering risk areas</li><li>• Report factors that do not conform to procedures for the positioning and use of BA entry control points</li><li>• Report factors that do not conform to procedures for the positioning and use of bridgehead or forward control points</li></ul>
Work in accordance with Stage 1 BA entry control	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Perform allocated tasks in accordance with Stage 1 entry control procedures</li></ul>
Work in accordance with Stage 2 BA entry control	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Perform allocated tasks in accordance with Stage 2 entry control procedures</li></ul>
Provision of BA entry control point supervision	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Identify the BA entry control point supervisor</li></ul>
Provision of a BA Sector	Demonstrate the ability to: <ul style="list-style-type: none"><li>• Identify and report to the BA Sector commander</li><li>• Use appropriate equipment and skills to assist with the functions of the BA Sector</li></ul>



---

**Foundation element**

**Learning outcome**

Work in accordance with rapid/initial deployment procedures

Demonstrate the ability to:

- Use of BA initial/rapid deployment procedures in accordance with operational practice
- Perform effective communications with the initial/rapid deployed BA team
- Perform effective communication with subsequent BA entry control operatives
- Perform initial /rapid deployment procedures to ensure;
  - Tallies are placed in the entry control board
  - Time in recorded on the tally (or automated)
  - Brief is received, understood and confirmed prior to deployment

Work in accordance with single BA wearer procedures

Demonstrate the ability to:

- Use BA single wearer procedures in accordance with operational practice
- Select an appropriate position from which to maintain visual contact the BA wearer
- Use active monitoring to ensure that single BA wearers operate safely within the risk environment
- Use effective communication to establish and maintain communication with the BA wearer and the incident commander

Deploy as a BA wearer

Demonstrate the ability to:

- Identify the circumstances where personal use of BA is required
- Use appropriate procedures and safe systems of work to deploy as a BA wearer

Re-enter a risk area as a BA wearer

Demonstrate the ability to:

- Use re-entry procedures in accordance with operational procedures
- Confirm fitness to carry out the identified task
- Confirm understanding of the brief, received prior to deployment



**Foundation element**

**Learning outcome**

Use BA in conjunction with aerial appliances and ladders

Demonstrate the ability to:

- Use ladders to access and make egress from risk areas whilst wearing BA
- Use appropriate procedures for working from aerial appliances whilst wearing BA
- Use appropriate systems to maintain communication with operators of ladders and aerial appliances



## BA Foundation element - Use BA search and rescue procedures

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Foundation element**

**Learning outcome**

Searching for casualties and fire in an irrespirable atmosphere

Understand:

- The rationale for using the directional search procedure as a BA wearer
- The rationale for using the compartment search procedure as a BA wearer
- The procedure for searching larger compartments as a BA team member
- The benefits of using search plans to assist BA operations
- The equipment used to achieve specific search objectives as a BA wearer
- The procedures for negotiating specific hazards whilst carrying out a search as a BA wearer



**Foundation element**

**Learning outcome**

Locating casualties

Understand:

- The information required prior to searching for casualties as a BA team member
- The procedure to be adopted by BA wearers when a casualty is discovered within a risk area
- The procedure to be adopted by BA wearers when multiple casualties are discovered within a risk area

**Practical application**

**Foundation element**

**Learning outcome**

Search for casualties and fire in an irrespirable atmosphere

Demonstrate the ability to:

- Confirm the search procedures to be used
- Perform directional search procedures as a BA wearer
- Perform compartment search procedures as a BA wearer
- Perform search procedures as a BA team member of varying numbers, appropriate to tasks
- Perform search procedures as a BA team member within various environments
- Perform search procedures within large compartments as a BA team member
- Use Site Specific Risk Information (SSRI) and search plans to assist BA search operations
- Use appropriate equipment to achieve specific search objectives as a BA wearer
- Use procedures for negotiating specific hazards whilst carrying out a search as a BA wearer

Locate casualties

Demonstrate the ability to:

- Gather and use information required prior to searching for casualties as a BA team member
- Use appropriate procedures to be adopted when a casualty is discovered within a risk area
- Use appropriate procedures to be adopted when multiple casualties are discovered within a risk area



## BA Foundation element - BA team briefing/debriefing

### TRAINING SPECIFICATION

#### Knowledge and understanding

##### Foundation element

##### Learning outcome

Receiving and confirming briefing instructions

Understand:

- The content of briefing instructions which should be received and confirmed by BA wearers

Participating in a debrief following withdrawal from a risk area

Understand:

- The specific elements which should be discussed and recorded during a debrief of a BA team

#### Practical application

##### Foundation element

##### Learning outcome

Receiving and confirming briefing instructions

Demonstrate the ability to:

- Communicate and confirm understanding of received briefing and specific instructions

Participate in a debrief following withdrawal from a risk area

Demonstrate the ability to:

- Communicate and confirm relevant information, in accordance with the agreed format, following withdrawal from a risk area



## BA Foundation element - Use BA guidelines

## TRAINING SPECIFICATION

### Knowledge and understanding

---

Foundation element	Learning outcome
Using BA guidelines	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The rationale for using BA guidelines</li> <li>• The purpose of BA guidelines</li> <li>• The purpose of a personal line</li> <li>• How the design of BA guidelines can assist navigation of BA teams</li> </ul>
Laying BA guidelines	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The role of the BA guideline laying team</li> <li>• The roles of additional BA guideline support teams</li> <li>• The method of designating BA main guidelines</li> <li>• The methods of securing a BA guideline, in the following circumstances: <ul style="list-style-type: none"> <li>- Along a straight route</li> <li>- Up/down stairs and ladders</li> <li>- Around hazardous areas</li> <li>- In large compartments</li> </ul> </li> <li>• The number of main guidelines that can be laid along a search route</li> <li>• The methods of minimising the potential for cross over of BA guidelines</li> <li>• The considerations and process prior to extending a BA guideline</li> <li>• The method of extending a BA guideline</li> </ul>
Searching off BA guidelines	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The procedure to be adopted when BA teams meet, when searching off a BA guideline</li> <li>• The methods of traversing a BA guideline</li> <li>• The methods of searching off a guideline</li> </ul>



**Foundation element**

**Learning outcome**

Using branch guidelines	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The circumstances where branch guidelines may be considered for use</li> <li>• The procedure for using branch guidelines</li> <li>• The method of designating branch guidelines</li> <li>• The method of attaching a branch guideline to a main guideline</li> </ul>
-------------------------	--

**Practical application**

**Foundation element**

**Learning outcome**

Use BA guidelines	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Use BA guidelines in various environments</li> <li>• Use the accepted method to identify the route to and away from risk areas, using guidelines</li> </ul>
Lay BA guidelines	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Perform the role of BA guideline laying team member</li> <li>• Use appropriate techniques and procedures to co-ordinate BA guideline laying with the activities of BA guideline support teams</li> <li>• Select the correct BA main guideline according to the designated tally</li> <li>• Use appropriate techniques and procedures to secure a BA guideline, in the following circumstances: <ul style="list-style-type: none"> <li>- along a straight route</li> <li>- up/down stairs and ladders</li> <li>- around hazardous areas</li> <li>- in large compartments</li> </ul> </li> <li>• Identify and report circumstances when laying guidelines, which may be hazardous for subsequent BA search teams</li> <li>• Use appropriate techniques and procedures to minimise the potential for cross over of BA guidelines</li> <li>• Use appropriate techniques and procedures for extending a BA guideline</li> </ul>



**Foundation element**

**Learning outcome**

Search off BA guidelines

Demonstrate the ability to:

- Perform the role of BA guideline search team member
- Use appropriate procedures to be adopted when BA teams meet, when searching off a BA guideline
- Use appropriate methods and procedures when traversing a BA guideline
- Use appropriate procedures and techniques to perform search operations off a guideline

Use branch guidelines

Demonstrate the ability to:

- Use appropriate procedures and techniques to perform search operations off a branch guideline
- Select the correct BA branch guideline according to the designated tally
- Use appropriate methods and techniques to attach a branch guideline to a main guideline



## BA Foundation element - Manage available air supply

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Foundation element**

**Learning outcome**

Air management

Understand:

- The reasons why BA wearers should manage their available air
- The air management responsibilities of the BA wearer

#### Practical application





**Foundation element**

**Learning outcome**

Air management

Demonstrate the ability to:

- Perform the air management responsibilities of the BA wearer
- Use appropriate methods and procedures to check BA set gauge readings



## BA Foundation element - Use airlines

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Foundation element**

**Learning outcome**

Using airlines

Understand:

- The purpose of airlines
- The situations and incidents where using airlines would be appropriate
- The considerations prior to using airlines
- The procedures to be adopted when using airlines
- The responsibilities of the BA wearer whilst using airlines

Using extended air supply

Understand:

- The situations and incidents where extended air supply may be used

#### Practical application



**Foundation element**

**Learning outcome**

Use airline	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify the circumstances where the use of airline would be appropriate</li> <li>• Perform appropriate tasks and procedures prior to the use of airline</li> <li>• Use appropriate procedures to be adopted when using airline</li> <li>• Perform the airline responsibilities of a BA wearer</li> </ul>
Use extended air supply	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Use appropriate procedures to be adopted when using extended air supply</li> </ul>



## BA Foundation element - Use procedures for pressurised atmospheres

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Foundation element**

**Learning outcome**

Working in pressurised atmospheres	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The limitations of BA in pressurised atmospheres</li> <li>• The types of environment where pressurised atmospheres may be encountered</li> <li>• The operational practice regarding pressurised atmospheres and the use of BA</li> </ul>
------------------------------------	--

#### Practical application



**Foundation element**

**Learning outcome**

Working in pressurised atmospheres

Demonstrate the ability to:

- Identify and report environments where pressurised atmospheres may be present
- Perform the operational practice and relevant procedures regarding pressurised atmospheres and the use of BA



## BA Foundation element - Withdraw from the risk area whilst wearing BA

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Foundation element**

**Learning outcome**

Withdrawing from a risk area

Understand:

- The considerations regarding the timing of withdrawal from a risk area
- The circumstances when BA teams must withdraw from a risk area
- The procedure to be followed when withdrawing from a risk area

#### Practical application



---

**Foundation element**

**Learning outcome**

	Demonstrate the ability to:
	<ul style="list-style-type: none"><li>• Use appropriate procedures to ensure a timely withdrawal from a risk area</li></ul>
Withdraw from a risk area	<ul style="list-style-type: none"><li>• Use appropriate procedures to be adopted when circumstances necessitate the emergency withdrawal from a risk area</li><li>• Use appropriate procedures to be followed when withdrawing from a risk area</li></ul>



## BA Foundation element - Use effective BA communications

---

### TRAINING SPECIFICATION

#### Knowledge and understanding



**Foundation element**

**Learning outcome**

Communicating whilst using BA

Understand:

- The methods used to establish and maintain communication links with the BAECO
- The information which should be communicated between BA team members
- The information and updates which should be communicated to the BA entry control operative
- The communications structure and process for BA related incidents
- The relevant communications equipment used by BA crews to communicate with relevant people throughout the operation
- The procedure to be adopted in the event of loss of communications
- The process for appointing a BA communications operative
- The responsibilities of the BA communications operative
- The circumstances where BA line communications would be considered

**Practical application**

**Foundation element**

**Learning outcome**

Communicate whilst using BA

Demonstrate the ability to:

- Carry out consistent tests to establish and maintain communication links with the BAECO
- Communicate relevant information to other BA team members
- Use an appropriate communication structure and process whilst wearing BA
- Use appropriate procedures to be adopted in the event of loss of communications
- Use appropriate procedures for BA line communications





## BA Foundation element - Use telemetry systems

---

### TRAINING SPECIFICATION

#### Knowledge and understanding

---

Foundation element	Learning outcome
Using telemetry systems and procedures	Understand: <ul style="list-style-type: none"> <li>• The purpose of telemetry systems</li> <li>• The methods to enhance the signal strength for telemetry systems</li> <li>• The procedure to be followed for the loss of contact or breakdown of telemetry systems</li> <li>• The responsibilities of the BA wearer when using telemetry systems</li> </ul>

#### Practical application

---

Foundation element	Learning outcome
Use telemetry systems and procedures	Demonstrate the ability to: <ul style="list-style-type: none"> <li>• Use telemetry systems in accordance with service procedures</li> <li>• Use appropriate procedures and equipment to enhance the signal strength for telemetry systems</li> <li>• Use the procedure to be followed for the loss of contact or breakdown of telemetry systems</li> <li>• Perform the responsibilities of the BA wearer when using telemetry systems</li> </ul>



## BA Foundation element - Minimise the risk of heat related conditions

---

## TRAINING SPECIFICATION

### Knowledge and understanding

---

Foundation element	Learning outcome
Minimise the risk of heat related conditions-BA	<p>Understand:</p> <ul style="list-style-type: none"> <li>• The potential effects of wearing BA and personal protective equipment</li> <li>• The methods to minimise the risk of heat related conditions whilst wearing BA within a risk area</li> <li>• The term heat related conditions</li> <li>• The symptoms of heat related conditions</li> <li>• The treatment for heat related conditions</li> <li>• The responsibilities of BA wearers regarding heat related conditions</li> </ul>

### Practical application

---

Foundation element	Learning outcome
Use appropriate methods to minimise the potential of heat stress	<p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Identify and report any ill effects experienced personally or by others as a result of wearing BA and personal protective equipment</li> <li>• Identify and report any signs or symptoms of heat stress whilst wearing BA</li> <li>• Perform appropriate actions and use appropriate procedures to deal with BA wearers suffering from heat stress</li> <li>• Perform the responsibilities of BA wearers regarding heat stress</li> </ul>



## BA Foundation element - Use procedures for dealing with BA emergencies

---

## TRAINING SPECIFICATION

### Knowledge and understanding

---

#### Foundation element

Using BA emergency procedures when wearing breathing apparatus

#### Learning outcome

Understand:

- The purpose of emergency procedures
- The circumstances when emergency procedures should be considered
- The circumstances when emergency procedures must be initiated
- The considerations for establishing BA emergency arrangements
- The contingency and standby arrangements for BA emergency teams
- The equipment which may be used by BA emergency teams
- The minimum requirements for the provision of a BA emergency team
- The procedures to be adopted in the event of becoming entrapped as a BA wearer
- The role and responsibilities of a nominated BA emergency team member
- The process for the deployment of BA emergency teams
- The procedure to be followed should a BA wearer become distressed
- The procedure to be adopted for the rescue of a colleague whilst wearing breathing apparatus
- The actions to be taken in the event of a team member experiencing distress
- The circumstances when partial BA set removal can be considered
- The procedure for partial BA set removal
- The BA emergency arrangements to be applied at hazardous material incidents





## Practical application

---

### Foundation element

### Learning outcome

Using BA emergency procedures when wearing breathing apparatus

Demonstrate the ability to:

- Identify relevant circumstances when emergency arrangements should be considered
- Identify relevant circumstances and initiate emergency procedures as a BA wearer
- Use appropriate contingency and standby arrangements as a BA emergency team member
- Selection and use of appropriate equipment which may be used by BA emergency teams
- Use appropriate procedures to ensure the minimum requirements for the provision of a BA emergency team
- Use appropriate procedures to be adopted in the event of becoming entrapped as a BA wearer
- Perform the responsibilities of a nominated BA emergency team member
- Use appropriate processes for deploying as a member of a BA emergency team
- Use appropriate procedures to be followed in the event of a distressed BA wearer
- Use appropriate procedures to be adopted for the rescue a colleague whilst wearing breathing apparatus
- Identify the circumstances when partial BA set removal is required
- Use appropriate procedures for partial BA set removal



## BA Foundation element - Identify and record BA set failure

---



## TRAINING SPECIFICATION

### Knowledge and understanding

---

#### Foundation element

#### Learning outcome

Identifying and recording BA set failure

Understand:

- The circumstances which dictate a BA set failure is reportable under the Reporting of Injuries Diseases and Dangerous Occurrence Regulations 2013 (RIDDOR)
- The procedure to report and defect a BA set using RIDDOR

### Practical application

---

#### Foundation element

#### Learning outcome

Identifying and recording BA set failure

Demonstrate the ability to:

- Identify BA Set failure reportable under the Reporting of Injuries Diseases and Dangerous Occurrence Regulations 2013 (RIDDOR)
- Use appropriate procedures to report and defect a BA set using RIDDOR



## BA Foundation element - Use BA welfare arrangements

---

## TRAINING SPECIFICATION

### Knowledge and understanding



---

**Foundation element**

**Learning outcome**

Using BA welfare arrangements to maintain the health and wellbeing of BA wearers

Understand:

- The role and responsibilities of BA wearers regarding BA welfare
- The procedures for minimising the risk of heat stress
- The arrangements, which can be implemented at incidents to minimise the effects of heat stress
- The equipment, which may be considered for use at a rest and recovery area
- The ideal rest and recovery procedures and water consumption rates
- The procedure for dealing with illness and/or injury of personnel whilst wearing BA

**Practical application**

---

**Foundation element**

**Learning outcome**

Use BA welfare arrangements to maintain the health and wellbeing of BA wearers

Demonstrate the ability to:

- Perform the role and responsibilities of BA wearers regarding BA welfare
- Perform the procedures for minimising the risk of heat stress
- Use the arrangements, which can be implemented at incidents to minimise the effects of heat stress
- Select and use the appropriate equipment, which may be considered for use at a rest and recovery area
- Use the ideal rest and recovery procedures and water consumption rates
- Perform the procedure for dealing with illness and/or injury of personnel whilst wearing BA



## BA Foundation element - Use interoperability and intraoperability to incorporate other organisations

### TRAINING SPECIFICATION

#### Knowledge and understanding

##### Foundation element

Use interoperability and intraoperability to incorporate other organisations

##### Learning outcome

Understand:

- The circumstances when BA teams from different fire authorities can work together
- How and when BA teams may be required to work alongside multi-agency or category one response BA teams
- How and when BA teams may be required to work alongside members of other industry service BA teams

#### Practical application

##### Foundation element

Work with and alongside other organisations using BA operations

##### Learning outcome

Demonstrate the ability to:

- Identify the circumstances when BA teams from different fire authorities may be required to work together
- Use appropriate procedures as a BA wearer to work alongside multi-agency or category one response BA teams
- Use appropriate procedures as a BA wearer to work alongside members of other industry personnel BA teams



## BA Foundation element - Use breathing apparatus for compartment fire behaviour and firefighting response

### TRAINING SPECIFICATION

#### Knowledge and understanding

##### Foundation element

Using breathing apparatus resources to deal with compartment fire behaviour and firefighting response

##### Learning outcome

Understand

- The relevant hazards and how to apply appropriate control measures of Fires and firefighting training specification,
  - Fire and thermal radiation
  - Flashover, backdraught and fire gas ignition

#### Practical application

##### Foundation element

Use breathing apparatus resources to deal with compartment fire behaviour and firefighting and rescue response

##### Learning outcome

Demonstrate the ability to:

- Apply learning outcomes from hazards and associated control measures of [Fires and firefighting training specification](#)
  - Fire and thermal radiation
  - Flashover, backdraught and fire gas ignition



## BA Foundation element - Use breathing apparatus to implement ventilation tactics during a fire and rescue response



## TRAINING SPECIFICATION

### Knowledge and understanding

---

#### Foundation element

Use breathing apparatus to implement ventilation tactics during a fire and rescue response

#### Learning outcome

Understand:

- The relevant content of Fires and firefighting training specification
  - Uncontrolled ventilation
  - Consider employing tactical ventilation

### Practical application

---

#### Foundation element

Use breathing apparatus resources to ventilate structures during firefighting and rescue response

#### Learning outcome

Demonstrate the ability to:

- Apply learning outcomes from hazards and associated control measures of [Fires and firefighting training specification](#)
  - Uncontrolled ventilation
  - Consider employing tactical ventilation