



Fire Industry Association

Training Courses 2016

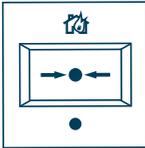
The most comprehensive technical
fire safety training programme

www.fia.uk.com

What's inside?

4 Why should I choose the FIA for my training?

5 Terms and Conditions



Fire Detection & Alarms

6 **Unit 1: Fire Detection Design**
Understand BS 5839-1, Guides and Codes of Practice and the technology used. Suitable for all starting out in fire detection and alarms.

7 **Units 2 & 3: Advanced Detection Design and Advanced Alarm Design (2 Days)**
Follows on from Unit 1. Specialising in more advanced design principles. Suitable for designers, consultants and system house engineers.

8 **Unit 4: Installation and Testing**
Follows on from Unit 1. Learn how to install and test hard wired fire detection and fire alarm systems. Suitable for anyone involved in initial installations.

9 **Unit 5: Fire Alarm Maintenance**
Follows on from Unit 1. Carry out the service and maintenance of fire alarm systems to BS 5839-1.

10 **Units 1, 5 & 4 - Combined Course (3 Days)**

11 **Unit 6: Advanced Commissioning**
Follows on from Unit 1. The final stage of installing a fire detection and alarm system before handover.

12 **Unit 11: Fire Detection and Alarm Systems for Dwellings, BS 5839-6**
Follows on from Unit 1. Specialises in BS 5839-6; providing knowledge and understanding of fire detection and alarm systems in dwellings.

13 **Design and Implementation of Voice Alarm Systems**
Follows on from Unit 1. Learn about electro acoustics and install design considerations for voice alarm systems.

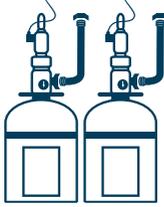
14 **Electrical Competency (2 Days)**
Training in safe isolation, selection of the correct cabling and its connection, testing and certifying work carried out.



Fire Extinguishers

15 **Servicing and Maintenance of Portable Fire Extinguishers (4 Days)**
Theoretical and practical training for the servicing and maintenance of various types of portable extinguisher.

16 **Refresher on the Servicing and Maintenance of Portable Fire Extinguishers**
Provides updates on changes in legislation or Standards, as well as changes in working practices.



Fixed Extinguishing

- 17 Unit 7: Fixed Extinguishing Systems and Associated Electrical and Building Interfaces**
Learn the principles of fire and extinguishing, how extinguishing systems work and how they are applied.
- 18 Critical Uses of Halon**
Halon - legally required for persons working on Halon Systems. Essential course for anyone involved in servicing or maintaining the uses of halon gases in applications such as aircraft extinguishing systems, aircraft portable extinguishers. Fulfills a legal requirement.

Fluorinated Gases



- 19 F-Gas: Fire Protection Systems Qualification**
Recommended for the Company Certification Scheme a legal requirement. Suitable for anyone involved in the handling of Fluorinated Green House Gases in fire systems. Fulfills the requirements for technician training under the company certification scheme.

Risk Assessment



- 20 Unit 9: Fire Risk Assessment – Responsibilities and Procedures**
Understand the legal responsibilities under the Fire Safety Order 2005/Fire Scotland Act 2005. Provides knowledge and understanding for the Competent Person to give advice to the Responsible Person for completion of a fire risk assessment.

Emergency Lighting

- 21 ICEL Emergency Lighting Foundation and Design**
Learn about emergency lighting design, installation and servicing and maintenance.
- 22 ICEL Advanced Maintenance and Operation**
This course further develops the knowledge and skills of the fire alarm engineer to further develop servicing and maintenance of the emergency lighting system.



Other Courses

- 23 Introduction to Fire**
Provides an introduction to all the fire safety features, systems & equipment found in most premises. Suitable for delegates with no technical background and those who want to expand to other fields of fire safety.
- 24 Service Technicians Communications Course**
Provides technicians with improved communication skills, better awareness of the customer's needs and how to fulfill them. Suitable for both face-to-face or telephone customer contact.

Fire Training for Professionals by Professionals

- The Fire Industry Association is the leading fire protection trade association
- More than 30,000 professionals have been on FIA courses
- Many return to take further training and recommend FIA training to colleagues
- The FIA is a member of the Institute of Continuing Professional Development – we award CPD hours for all our courses

Delivered by the trade for the trade

Our courses are developed by knowledgeable, professionally qualified practitioners NOT commercial companies.

This means our courses focus on what's important to the technician.

From basic fire detection design to training for specific issues, our courses offer real and tangible benefits for all involved in fire protection.

The FIA training certificate and CPD hours provide evidence of competency through learning.

More courses, more often, at more locations

We deliver 250 individual courses that cover 17 different subjects at 16 different venues around the UK.

You don't have to travel too far or wait long for the course you want to attend.

Dedicated Training

Or you can have a dedicated course just for your staff anywhere that's convenient for you, or at our training centre in Hampton, Middlesex.

This is particularly cost effective if you have ten or more engineers requiring training. The

Servicing and Maintenance of Portable Fire Extinguishers course requires a minimum of eight people.

To make a booking, or if you have any questions:

- Email the Training Coordinator - mblake@fia.uk.com
- Provide us with at least three possible dates, which course you would like, and where you would like it to be held

What to expect

- Each course provides the delegate with points towards their CPD requirement
- All course material is updated regularly to take account of changes in Standards, legislation and technology
- British Standards, including BS 5839 and BS 5306, form the background to FIA technical courses

Who have we trained?

In this last year individuals from more than 800 organisations completed training on an FIA course.

Customers include district councils, National Health Service organisations, and numerous fire protection companies.

On the following pages are:

- Details of the courses available
- Who should attend
- What previous knowledge they need (if any)
- What they should expect to learn
- What they will know after they have successfully completed the unit
- What they will take away with them

Terms and Conditions of Booking for FIA Training Courses

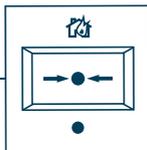
1. Bookings must be made through the web booking form.
2. FIA members booking on FIA courses will be given the option of payment by credit/debit card or by invoice. Payment of invoice for the booking must be made within 30 days of the invoice date or at least 7 days prior to the commencement of the course, whichever comes sooner. Members booking on FIA courses will be expected to pay in full at the time of booking through the Secure Credit Card Payment Facility.
3. Non members booking on FIA courses will be expected to pay in full at the time of booking through the Secure Credit Card Payment Facility.
4. The balance of fees for course bookings must be made in full at the time the booking is made.
5. Once payment has been made you will be transferred back to the FIA site for confirmation of booking.
6. The FIA will be informed electronically whether your payment has been accepted or declined. The FIA has no control or influence over the payment facility.
7. Bookings where the payment has been declined will not be accepted.
8. The FIA does not at any time have access to or store any individuals' bank or payment card details.
9. The FIA reserves the right to refuse entry to any delegate where payment has not been received in full.
10. In the event that a delegate is accepted on a course and payment has not been received, the FIA reserves the right to take reasonable action for recovery of all payments owing.
11. It is the responsibility of the delegate's organisation to ensure that the course booked is fit for the delegate's needs. The FIA will not be held liable for any errors in booking.
12. Cancellations made more than 7 days prior to commencement of the course will be charged at 50% of the course fee unless, at the discretion of the FIA, an alternative course booking is made at the time of cancellation.
13. Cancellations made within 7 days prior to commencement of the course will be charged at the full rate.
14. The FIA reserves the right to postpone and cancel courses when necessary at any time.

For full Term and Conditions please go to www.fia.uk.com



“Excellent day, good knowledge, very useful course information and good lecturer. [I would] definitely attend more courses.”

Book online at www.fia.uk.com For more information call 0203 166 5002 or email info@fia.uk.com



Fire Detection & Alarms

Unit 1: Fire Detection Design

Foundation course to understand the standards, the equipment and the principles of Fire Detection and Fire Alarm Systems. This course is the prerequisite for progression to other FD&A courses.

Who's it for?

Anyone who needs to have basic knowledge of fire detection and alarm systems in order to deal competently with fire detection and alarm enquiries. This course is recommended for anyone starting out in all fields of FD&A and those considering further FD&A courses.

What other experience/training is needed to take the course?

None

What does the course cover?

- The legislation
- Guides and Codes of Practice
- The categories of systems for a building (ie L1 to L5 : P1 to P2), detector types and choices
- Manual call points
- Detector and alarm zone sizes and constraints
- Technology and system components
- Detector coverage, taking into account obstructions
- Alarm requirements
- False alarm management and good maintenance

- New cable requirements
- Certification
- The principles of BS 5839-1

What are the benefits of taking the course?

- Provides an understanding of the basic principles of BS 5839-1, allowing the person to answer fire detection and alarm enquiries
- Staff that understand your business and the equipment you use
- Course manuals to take away for reference

How long does it take?

One day with continuous assessment throughout.

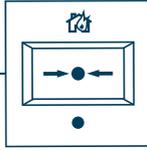
What are the ongoing benefits?

- Provides a foundation and is the prerequisite for more advanced courses in particular Units 2&3, 4, 5, 6, 11 and Voice Alarm

PRICES

FIA members – £150 plus VAT
Non-members – £240 plus VAT

Excellent & enjoyable course. Sufficient content to run over 2 days to allow more in depth study. Excellent + very knowledgeable instructor. Philip Slater



Fire Detection & Alarms

Units 2&3: Advanced Detection Design & Advanced Alarm Design (2 days)

Builds on the knowledge and understanding gained from Unit 1: Fire Detection Design. This course develops an advanced level of understanding of system design, estimating and planning for fire protection systems.

Who's it for?

- People involved in system design and estimation
- Designers, consultants and system house engineers

What other experience/training is needed to take this course?

Delegates should have previously attended and passed Unit 1: Fire Detection Design.

What does the course cover?

- Advanced detection design
- Advanced alarm design (2 days)
- The application of BS 5839:2013 for detector and alarm coverage and spacing
- Efficient usage of detectors
- The effect of obstructions such as beams
- The effect of roof design and construction for all types of detector
- The categories of protection in the latest Code of Practice
- Detection in voids, lift shafts and stairways
- Detailed design calculations for alarms
- The effect of ambient noise
- The recommendations for alarm zones and phased evacuation
- Communications with the fire service

- Cable limitations, especially for loops
- The recommendations for network cables
- Battery calculations for standby and alarm durations

What are the benefits of taking the course?

- Advanced knowledge of fire protection systems allowing effective design of fire detection and fire alarm systems for your clients
- The inclusion of design and consultancy services to fulfil your clients' needs
- Course manual to take away for reference

How long does it take?

Two days of intensive training and ongoing assessment.

What are the ongoing benefits?

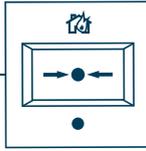
Individuals are trained to a high level of understanding of how to design, estimate and plan a fire protection system.

PRICES

FIA members – £300 plus VAT

Non-members – £480 plus VAT

Great course, very relevant information. Ashley Nicholls, ADT



Fire Detection & Alarms

Unit 4: Installation & Testing

Develops technical knowledge to install and test hard wired fire detection and fire alarm systems.

Who's it for?

Anyone who installs fire detection and fire alarm systems.

What other experience/training is needed?

Delegates should have previously attended and passed the Unit 1: Fire Detection Design course.

What does the course cover?

- The components used
- Technology of components
- Positioning of control panels
- Siting for call points and detectors
- Alarms and the limitations to use
- Cable types required
- Segregation of cables
- Cable volt drop
- Installer's responsibilities
- Possible causes of false alarms
- Testing the wiring and components prior to commissioning
- Fault finding
- Certification

What are the benefits of taking the course?

- A comprehensive knowledge of fire detection and fire alarm systems, allowing the delegate to carry out complete installation and testing prior to commissioning
- An understanding of faults and how to identify and rectify them
- Course manuals to take away for reference
- How to identify potential for false alarm ways to prevent them

How long does it take?

One day, with ongoing assessment through the day.

What are the ongoing benefits?

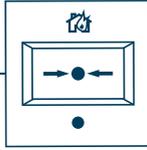
- The ability to install and test fire detection and fire alarm systems

PRICES

FIA members – £150 plus VAT

Non-members – £240 plus VAT

The tutor clearly had extensive experience in the industry and explained the topics in a way that was easy to follow, well-illustrated with practical examples and backed up by high quality visual aids. The system of regular written tests throughout the day, although very intense, was effective at reinforcing learning. Ben Stockdale, Chichester College



Fire Detection & Alarms

Unit 5: Fire Alarm Maintenance

An essential course for anyone to fully understand how to carry out periodic maintenance of installed fire detection and fire alarm systems to conform with BS 5839-1.

Who's it for?

Anyone involved in the routine maintenance and servicing of fire alarm systems.

What other experience/training is needed to take the course?

Delegates should have previously attended and passed Unit 1: Fire Detection Design.

What does the course cover?

- The importance of fire protection systems
- The risks of neglecting maintenance
- The components used
- False alarms and how to avoid them
- The responsibilities and competence of the maintenance engineer
- Liaison with the user
- Investigating and managing false alarms
- Routine procedures for testing
- Testing detectors and field device circuits & systems
- Testing power supplies and measuring current loadings
- Calculating battery capacity
- Documenting the results on service report forms and log books

- Servicing certificates and recommended action
- All areas of fire alarm maintenance

What are the benefits of taking this course?

- A thorough knowledge of fire detection and fire alarm systems, allowing the delegate to carry out servicing and maintenance in accordance with BS 5839-1
- Identify the potentials for false alarms and ways to prevent them
- Course manuals to take away for reference

How long does it take?

One day, with ongoing assessment through the day.

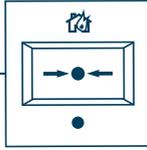
What are the ongoing benefits?

The knowledge to service and maintain fire alarms.

PRICES

FIA members – £150 plus VAT

Non-members – £240 plus VAT



Fire Detection & Alarms

Units 1, 5 & 4 - Combined Course (3 days)

An intensive three-day course combining: Unit 1: Fire Detection Design
Unit 4: Installation and Testing, Unit 5: Fire Alarm Maintenance

Who's it for?

- Anyone who needs knowledge of fire detection and alarm systems
- Who installs and tests hard wired systems
- Who services/maintains fire alarm systems to BS 5839-1

What other experience/training is needed to take the course?

None.

What does the course cover?

Unit 1: Fire Detection Design

- The legislation
- Guides and Codes of Practice relevant to fire detection and alarms
- The categories of systems for a building (i.e. L1 to L5 : P1 to P2)
- Detector types and choices
- Manual call point zones
- Detector and alarm zone sizes and constraints
- Technology and system components
- Detector coverage, taking into account obstructions
- Sounder requirements
- False alarm management and good maintenance
- New cable requirements
- Design certificate

Unit 5: Fire Alarm Maintenance

- The importance of fire protection systems
- Understanding the risks of neglecting maintenance
- Revision on the components used
- A section on false alarms and how to assist the user in avoidance
- The responsibilities and competence of the maintenance engineer
- Liaison with the user
- Investigating false alarms
- Routine procedures for testing
- Testing detectors and field devices
- Testing circuits
- Testing systems
- Testing power supplies, measuring current loadings
- Calculating battery capacity, testing batteries

- Documenting the results on service report forms and log books
- Servicing certificate and recommended action

Unit 4 - Installation & Testing

- The components used
- Technology of components
- Positioning of control panels
- Siting for call points and detectors
- Alarms and the limitations to use
- Cable types required
- Segregation of cables
- Cable volt drop
- Installer's responsibilities
- Possible causes of false alarms
- Testing the wiring and components prior to commissioning
- Fault finding

For a more in depth view of each Unit, please refer to the individual descriptions.

What are the benefits of taking the course?

- A thorough knowledge of fire detection and alarm systems
- A successful delegate will be able to carry out complete installation and testing prior to commissioning, as well as servicing and maintenance in accordance with BS 5839-1
- An understanding of faults leading to false alarms and how to identify and rectify them
- Course manuals to take away for reference
- The chance to complete the three most popular and relevant FD&A courses in intensive training period

How long does it take?

Three days.

What are the ongoing benefits?

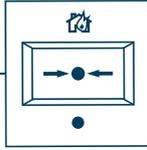
- A qualified and certified engineer who can handle all aspects of fire alarm enquiries, installation, servicing and maintenance
- Staff that understand your business and the equipment you use

PRICES

FIA members – £450 plus VAT

Non-members – £720 plus VAT

Book online at www.fia.uk.com For more information call 0203 166 5002 or email info@fia.uk.com



Fire Detection & Alarms

Unit 6: Advanced Commissioning

The final stage of installing a fire detection and alarm system before handing over to the client.

Who's it for?

- Commissioning engineers
- Engineers across the range of system suppliers

What other experience/training is needed to take the course?

Delegates should have previously attended and passed Unit 1: Fire Detection Design.

What does the course Cover?

- All areas of fire detection and alarm commissioning/workmanship
- Labelling
- Component checks and functionality
- Sound audibility
- Battery capacity
- Circuit performance and functions
- Site 'as fitted' diagrams
- Operation of ancillary equipment
- Transmission to an alarm receiving centre
- Documentation and system hand over

What are the benefits of taking this course?

- A thorough knowledge of fire detection and alarm systems allowing the delegate to carry out commissioning in accordance with BS 5839-1
- The knowledge required to be able to commission fire detection and alarm systems before handing them over to your client
- Course manuals to take away for reference

How long does it take?

One day intensive course.

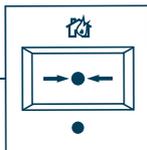
What are the ongoing benefits?

Development of commissioning skills and handover of a finished system to the client.

PRICES

FIA members – £150 plus VAT
Non-members – £240 plus VAT

Overall a good experience. Well worth my time. Phil Leonard, Western Electrical



Fire Detection & Alarms

Unit 11: Fire Detection and Alarm Systems for Dwellings, BS 5839-6

Building on Unit 1, this course helps anyone involved in fire alarm systems for dwellings to understand and speak confidently about BS 5839-6. It is invaluable if designing a system for a dwelling or considering the implications of the fire alarm requirement alongside Approved Document B.

Who's it for?

- Anyone involved in dwellings
- Sales engineers
- Fire alarm system designers

What other experience/training is needed to take the course?

Delegates should have previously attended and passed Unit 1: Fire Detection Design.

What does the course cover?

- Grades and categories of protection recommended
- Approved Document B in relation to BS 5839-6
- Technology requirements for system grades
- Monitoring and interlinking systems
- Sound pressures
- Mixed systems
- Certification and maintenance

What are the benefits of taking this course?

- An understanding and knowledge of BS 5839-6 and its relation to Approved Document B
- Confidence to speak to clients about fire detection and alarm in dwellings
- Course manuals to take away for reference

How long does it take?

Half day.

What are the ongoing benefits?

The knowledge to work with fire alarm systems in dwellings, as required by BS 5839-6.

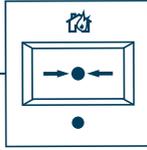
PRICES

FIA members – £150 plus VAT

Non-members – £240 plus VAT

Excellent choice in course trainer; very clear, calm and came across exceptionally well for what is a very tricky British Standard.

Gary Flockton, Assured Fire and Security Ltd



Fire Detection & Alarms

Design & Implementation of Voice Alarm systems

This course builds on the knowledge already gained on other FIA Fire Detection and Alarm courses. It also serves as a valuable introduction to the specialised field of voice alarms for non fire industry professionals.

Who's it for?

- Designers
- Commissioning engineers
- Installation and maintenance engineers, Specifiers
- Sales persons
- Anyone involved in fire evacuation strategy in the security, electrical or fire industries

What other experience/training is needed to take the course?

Delegates should have attended and passed Unit 1: Fire Detection Design.

What does the course cover?

- Differences between a voice alarm system and a public address system
- British and EU Standards relating to voice alarms, particularly EN 54 and BS 5839-8
- Creating a voice alarm design plan
- Use of stand-alone voice alarm sounders
- Selection and use of loudspeakers
- Audibility requirements and clarity considerations
- Installation and fault finding
- Components: positioning and set up
- The interface between Voice Alarm Control and Indicating Equipment and Fire Alarm Control and Indicating Equipment

- Composition and use of life safety messages
- Using microphones and other ancillary equipment
- Amplifier power and battery calculations
- Defining zones for emergency and non-emergency loudspeakers
- To demonstrate their learning, delegates will be required to complete a simple design plan for a voice alarm system

What are the benefits of taking this course?

- On successful completion, the delegate will have a thorough understanding of voice alarm systems, how they work, and how to design, maintain and commission
- Course manuals to take away for reference

How long does it take?

One day.

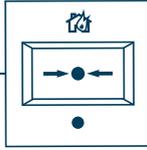
What are the ongoing benefits?

Understand and advise on voice alarm systems.

PRICES

FIA members – £150 plus VAT

Non-members – £240 plus VAT



Fire Detection & Alarms

Electrical Competency Training and Assessment

Delegates will be able to demonstrate competence to carry out safe isolation, selection of the correct cabling and connection, testing and certification of an electric supply from the point of a pre-existing dedicated supply.

Who's it for?

Anyone working on or near a live electrical supply for an alarm system or any associated electrical equipment.

Note: this course does not qualify delegates to design and install a complete system to 17th Edition or Part P. Nor to install the dedicated supply from the distribution board.

What other experience/training is needed to take the course?

- None

What does the course involve?

- Introduction and basic understanding of Electricity at Work Regulations, BS 7671 (17th Edn), and BS 5839
- How electricity works, simple calculations, and an explanation of Ohms Law
- The route from generation to the consumer
- Safe isolation, switching off the supply and ensuring it is safe to work
- Testing: making sure that completed work is safe for the technician and the end user
- Certification: documenting your work
- Installation: making the connection
- Everything you have learnt put into practice

What are the benefits of taking this course?

- Delegates gain technical understanding of the regulations and principles relating to the electrical supply

- Course manuals to take away and refer to
- Delegates with an 80% or above pass rate will be issued with a certificate of competency issued by both the NICEIC and the FIA
- Installation engineers will gain the demonstrable competence required to run a supply from the dedicated supply to the required equipment; theoretical knowledge and practical application of skills combine to make this a fully comprehensive course
- Maintenance engineers will be able to safely isolate any electrical equipment before carrying out work
- Helps to reduce the risk of electrical injury and maintain compliance with the Electricity at Work Regulations

Tools

Delegates will be required to bring their own tools. Details will be provided with the course joining instructions.

What are the ongoing benefits?

Competence in electrical systems to ensure safe working practices when working on an alarm system connected to or near electrical supply.

PRICES

FIA members – £300 plus VAT

Non-members – £480 plus VAT



Fire Extinguishers

Servicing & Maintenance of Portable Fire Extinguishers (4 days)

Theoretical training and practical experience for the servicing and maintenance of various types of portable extinguisher. Based on BS 5306-3 'Servicing and Maintenance' and BS 5306-8 'Selecting and Positioning'.

Who's it for?

- Anyone who will be carrying out the servicing and maintenance of portable fire extinguishers
- Anyone likely to answer technical questions regarding portable extinguishers

What other experience/training is needed to take the course?

None.

What does the course cover?

- The theory of fire and extinguishing
- Selection and positioning of the right fire extinguisher
- Classes of fire
- Definitions of a portable extinguisher
- Fire ratings and flammable materials
- Provision and siting of extinguishers
- Inspection periods
- Certification
- Extinguishing agents
- Maintenance requirements
- Carrying out a service: delegates will be expected to complete an inspection and service a range of extinguishers

What are the benefits of taking this course?

- Delegates will be qualified to provide advice on the suitability and the positioning of portable extinguishers
- They will be able to carry out servicing and maintenance

- Course manuals to take away and refer to
- Delegates with an 75% or above pass rate will be issued with a BAFE certificate. This can be used as evidence for Third Party Certification

How long does it take?

Three days plus one day exam.

Following training, delegates will be required to successfully complete both a theory and practical exam.

All successful delegates will receive a BAFE Certificate. Completion of this course and the BAFE exam will fulfil the training requirements for registration on a Third Party Certification scheme which demonstrates competence under the Fire Safety Order (2005).

What are the ongoing benefits?

The ability to service and maintain portable fire extinguishers.

Delegates should attend a refresher course every three years to maintain current knowledge and certification.

Tools

This course requires each delegate to bring a set of tools (listed on the course page on the FIA website) to participate.

PRICES

FIA members – £635 plus VAT

Non-members – £710 plus VAT



Fire Extinguishers

Refresher on the Servicing & Maintenance of Portable Fire Extinguishers

An update on changes in legislation or Standards, knowledge and understanding of developments in extinguisher technology and changes in working practices.

BS 5306 recommends that technicians involved in the servicing and maintenance of portable fire extinguishers undergo regular refresher training to ensure that their knowledge and skills remain current.

Who's it for?

- Anyone who has previously completed training and an exam in the servicing and maintenance of portable fire extinguishers

What other experience/training is needed to take the course?

The delegates must have previously passed a full portable fire extinguisher service and maintenance course and exam in accordance with BS 5306.

What does the course cover?

Updates about the latest legislation, guidelines and equipment technology.

What are the benefits of taking this course?

- Guidance about changes to legislation, working practices and technology
- Proof of competence for third party schemes

How long does it take?

One day.

What are the ongoing benefits?

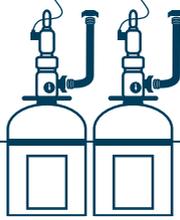
Ensuring knowledge and skills are current.

PRICES

FIA members – £160 plus VAT.

Non-members – £190 plus VAT

I found the course very helpful. The trainer made it enjoyable and easy to understand. Brandon Young, MITIE



Fixed Extinguishers

Unit 7: Fixed Extinguishing Systems & Associated Electrical and Building Interfaces

Providing outline knowledge of fixed fire fighting systems, this course covers the principles of fire and extinguishing. Delegates will learn how extinguishing systems work and where they are best suited.

Who's it for?

- Fixed extinguishing system installers
- Facilities managers and maintainers
- Consultants
- Designers
- Insurers
- Responsible Person/Duty Holder

What other experience/training is needed to take the course?

None.

What does the course cover?

- Extinguishing systems including chemical, inert gas, carbon dioxide and watermist (high and low pressure)
- Detection systems and interface to fire alarm and building management systems
- Pressure relief and extraction systems
- Types of design (local application, total flood)
- Design guidance
- Maintenance guidance
- Coverage of over 26 current and draft British and International Standards, Codes of Practice and associated literature

What are the benefits of taking this course?

- A thorough knowledge of a range of fire suppression systems including their use and operation, interface with the building and electrical systems
- Guidance on their design and maintenance
- An understanding of the current and draft Standards and associated documentation
- Course manuals to take away and refer to

How long does it take?

One day.

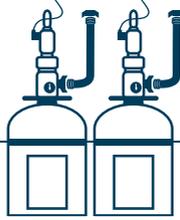
What are the ongoing benefits?

Knowledge and understanding of in-situ fire fighting systems, as well as how they work and what is most appropriate for the situation.

PRICES

FIA members – £150 plus VAT

Non-members – £240 plus VAT



Fixed Extinguishers

Critical Uses of Halon

Certification to comply with the Ozone Depleting Substances (Minimum Qualifications) Regulations.

Who's it for?

Technical staff involved in servicing or maintaining the critical uses of halon gases in applications such as aircraft extinguishing systems, aircraft portable extinguishers. This is a legal requirement under European Regulations.

What does the course cover?

- Safe handling of halon gases
- Equipment
- Testing
- Recovery of gases
- Legal and technical information

What are the benefits of taking the course?

- Ensures that participants have a comprehensive understanding of the use and safe handling of halon 1211 and 1301
- Course manuals to take away and refer to
- Legal requirement to work on Halon Systems

How long does it take?

Half day.

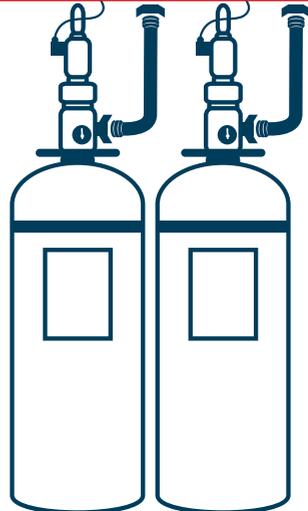
What are the ongoing benefits?

Successful completion provides certification that the delegate has been trained to comply with the Ozone Depleting Substances (Minimum Qualifications) Regulations.

PRICES

FIA members – £195 plus VAT

Non-members – £195 plus VAT





Fluorinated Green House Gases

F-Gas Certification for Individuals

This course fulfils the requirements for technician training under the company certification scheme, working with F-Gases, detailing the European Regulations for safe handling of Fluorinated Gases and their recovery, equipment and testing.

Who's it for?

Anyone who is involved in the handling of F-Gases through installation, commissioning and maintenance of fire systems.

What does the course involve?

- Environmental issues
- Technical Standards
- Regulation 842/2006 & commission regulations
- Fire protection equipment containing F-Gases
- Valves, actuators, prevention of discharge and leakage
- Equipment and tools for safe handling and work practices
- Ability to install fire protection containers
- Practices to move pressurised containers
- Checking of system records
- Visual and manual leak checking
- Recovery of F-Gases

What are the benefits of taking this course?

- The F-Gas – Fire Protection Systems Qualification will provide delegates with the necessary understanding of the legislation and its application for the safe handling of F-Gases

- A comprehensive understanding of the use and safe handling of F-Gases in accordance with current EU legislation
- Delegates will hold the relevant certification for compliance with current legislation
- This course provides the theory training requirement for registration of the company certification scheme
- Practical element included where possible

How long does it take?

One day – half day theory and half day practical if available. Normally finishes at 2pm.

What are the ongoing benefits?

Understanding of F-Gases and their use in fire systems. Compliance with legal requirements.

PRICES

FIA members – £195 plus VAT

Non-members – £195 plus VAT



Risk Assessment

Unit 9: Fire Risk Assessment – Responsibilities and Procedures

This course provides an introduction to fire risk assessment. It provides an understanding of the legal and practical reasons for fire risk assessment as well as the tools to interpret the findings of an assessment.

Who's it for?

- Owners, managers or employers in non-domestic premises
- Fire alarm engineers
- Portable extinguisher technicians
- Anyone asked to offer guidance and advice on the responsibilities and steps to produce a fire risk assessment, or who is advising the Responsible Person/Duty Holder of their legal responsibilities

What other experience/training is needed to take the course?

None.

What does the course cover?

- The relevant parts of the Fire Safety Order 2005 and the Fire Scotland Act 2005
- The five steps in a fire risk assessment
- Due diligence for the owner of the premises
- Documentation required for a fire authority inspection
- Categories of protection as detailed in BS 5839
- Selection of the category required by your fire risk assessment
- Example template for a fire risk assessment

What are the benefits of taking this course?

- The knowledge to offer advice on the steps to produce a fire risk assessment
- An understanding of the responsibilities placed on the Responsible Person/Duty Holder
- Example template from which to build your fire risk assessment
- Course manuals to take away and refer to

How long does it take?

One day.

What are the ongoing benefits?

An understanding of how a fire risk assessment is undertaken and the knowledge to advise others.

This course will not qualify delegates as a fire risk assessor.

PRICES

FIA members – £150 plus VAT

Non-members – £240 plus VAT

Very informative – thanks for your help. Andy Magson, National Facilities Manager



Emergency Lighting

ICEL Emergency Lighting Foundation and Design

This course enables fire safety professionals to design an emergency lighting system. It is produced by the Industry Committee for Emergency Lighting and is based on BS 5266-1.

Who's it for?

- Engineers with some basic knowledge of lamps and light fittings
- More experienced engineers

What other experience/training is needed to take the course?

Basic knowledge of lamps and light fittings.

What does the course cover?

- Basic regulations, relevant Standards, and when emergency lighting is needed
- Types of emergency lighting
- Exit sign pictograms, luminance and viewing distances
- Luminance requirements, lux levels, uniformity and duration requirements
- Emergency lighting for cinema and theatre auditoria
- Choosing maintained or non-maintained luminaries
- Design procedures covering all points of emphasis, such as stairs
- Using manufacturers' spacing tables for escape routes and open areas
- Simple designs for high risk areas
- Conversion of mains luminaries for emergency use, achieving lux levels and using conversion spacing tables
- Disability glare and colour requirements

- Basic installation, wiring and fuse protection
- Testing and servicing to BS 5266-8
- Automatic testing

What are the benefits of taking this course?

- Engineers will gain the knowledge and understanding to be able to provide advice on emergency lighting, design a lighting scheme and be able to install, test and maintain as required
- Course manuals to take away and refer to

How long does it take?

One day.

What are the ongoing benefits?

Being able to design, install, test and maintain emergency lighting systems.

PRICES

FIA members – £150 plus VAT

Non-members – £240 plus VAT





Emergency Lighting

ICEL Advanced Maintenance and Operation

Produced by the Industry Committee for Emergency Lighting. Based on BS 5266-1, this course further develops the knowledge and skills of the fire alarm engineer to include servicing and maintenance of the emergency lighting system.

Who is it for?

- Any engineer with a basic knowledge of safety systems who wants to improve their knowledge of the requirements and techniques needed to be able to test, maintain and repair emergency lighting systems
- Engineers who are responsible for emergency lighting systems wanting to be able to assess and demonstrate the suitability and condition of the system for a specific site

What other experience/training is needed to take the course?

- Knowledge previously gained through the Emergency Lighting Foundation and Design course

What does the course cover?

- Legislative requirements for emergency lighting
- Relevant standards
- Installation considerations
- Reporting procedures for existing premises
- Testing considerations, function tests
- Testing considerations, duration tests
- Testing procedures and the use of automatic systems
- Fault rectification

- Protection of the premises during fault rectification
- Completion of the testing documentation

What are the benefits of taking this course?

Engineers will gain the knowledge and understanding to be able to provide advice on emergency lighting system maintenance and servicing requirements, auditing and testing a system, completion of servicing, fault rectification and associated certification.

How long does it take?

One day.

What are the ongoing benefits?

Engineers will be able to audit an existing system, provide advice on routine maintenance and to carry out periodic and remedial servicing.

PRICES:

FIA members – £ 150 plus VAT

Non-members – 240 plus VAT





Other Courses

Introduction to Fire in Buildings

Introductory level course covering a broad range of fire safety systems. The technical content is kept to a minimum. Delegates who do not have a technical background will gain full understanding of the systems presented.

Who's it for?

- Anyone with responsibility for fire safety in buildings
- Anyone who provides service or advice to the Responsible Person/Duty Holder
- A fire industry professional who would like to broaden their knowledge to include systems outside of their area of expertise

What other experience/training is needed to take the course?

None.

What does the course cover?

- Fire legislation – why we have legislation, its development and The Regulatory Reform (Fire Safety) Order 2005
- Third Party Certification – the benefits of certification and how to select a competent person
- Fire – what fire is, how it works and the processes of extinguishing a fire
- Passive protection – protection from the structure of a building
- Fire detection and alarm
- Signs and notices
- Emergency lighting
- Documents and records – Evidence that you have done all that you can
- Extinguishing

What are the benefits of taking this course?

- Fire professionals: Gives you the knowledge to advise your customers on their fire safety needs. It also covers fire safety legislation and Third Party Certification
- Non-fire industry professionals: Will broaden your knowledge and provide a basic understanding of fire safety and its place in the bigger picture

How long does it take?

One day.

What are the ongoing benefits?

This provides the foundation for many other courses such as Unit 1: Fire Detection Design and Unit 9: Fire Risk Assessment - Responsibility and Procedures.

PRICES

FIA members – £50 plus VAT

Non-members – £150 plus VAT

The use of video footage in the presentation was very informative. The trainer was very knowledgeable, able to answer all questions. It was a very interesting and enjoyable course.
Joanne Dunn, Telereal Trillium



Other Courses

Service Technicians Communications Course

This course provides service technicians with improved communication skills, a better awareness of the customer's needs and the interpersonal communication skills to satisfy those needs.

Who's it for?

Salesmen, service technicians and engineers. Those who answer the telephone or deal with customers face-to-face, but would also benefit sales staff and anyone with a customer facing role within the fire, safety, security and servicing industries.

What other experience/training is needed to take the course?

None.

What does the course involve?

- How to explain to customers what their responsibilities are under fire legislation and how the technician can support them
- How to explain what Third Party Certification is and how this benefits the customer
- How to identify personality types and adapt how to communicate with them
- A step-by-step method of identifying problems and proposing solutions to the customer

- How to turn an objection into an opportunity to provide a solution

What are the benefits of taking this course?

- Delegates should have confidence to communicate with customers
- Delegates should be able to identify (potential) problems and propose acceptable solutions
- Improved productivity
- Customer loyalty

How long does it take?

One day

PRICES

FIA members – £50 plus VAT

Non-members – £150 plus VAT

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