

## 1.20 Fire Safety during Construction Works

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|---|----------------------------------|---|---|--|
| 1 | <b>Duration</b>                  | 1 day (7 hours)   |   |  |
| 2 | <b>Aim</b>                       | The aim of this course is to provide a suitable training programme for those responsible for managing fire safety during construction or refurbishment works  |   |  |
| 3 | <b>Target Public</b>             | Site managers, building managers, facilities managers, fire safety managers and coordinators and others involved in the management of contract or sub-contract works. The course will also be of interest to those involved in the insurance and security of such premises.   |   |  |
| 4 | <b>Prerequisites</b>             | None, although beneficial that delegates have a basic knowledge of fire safety and fire prevention systems and techniques.  |   |  |
| 5 | <b>Objectives</b>                | <p>At the end of the course the students will:</p> <ul style="list-style-type: none"> <li>• Recognise the principal problems in the organization and management of fire safety during construction work</li> <li>• Be aware of the key causes of fires and associated hazards in such circumstances</li> <li>• Understand the different types of fire safety systems and equipment available to manage identified hazards and requirements for their testing and maintenance</li> <li>• Be familiar with the management tools and techniques available to support fire safety during construction work, including hot work permits, record keeping, staff training etc.</li> <li>• Have a good understanding of the fire prevention, protection and first intervention systems and techniques including design of means of escape</li> <li>• Be able to undertake the development of emergency and protection plans and adequately implement these plans</li> </ul> |   |  |
| 6 | <b>Programme</b>                 | I   | OVERVIEW                                    | <ul style="list-style-type: none"> <li>• Relevant fire safety legislation</li> <li>• Basics of fire science and fire spread</li> <li>• Principal fire hazards on construction sites and associated risk factors</li> <li>• Prevention and mitigation techniques</li> <li>• Building systems, techniques and materials</li> </ul>   |
|   |                                  | II  | FIRE SAFETY SYSTEMS & EQUIPMENT             | <ul style="list-style-type: none"> <li>• Means of escape design</li> <li>• Passive systems <ul style="list-style-type: none"> <li>• Compartmentation</li> <li>• Fire doors &amp; glazing</li> <li>• Cavity barriers and fire stopping</li> </ul> </li> <li>• Automatic systems <ul style="list-style-type: none"> <li>• Fire Detection</li> <li>• Fire extinguishment</li> </ul> </li> <li>• Manual extinguishers</li> </ul> |
|   |                                  | III   | FIRE SAFETY MANAGEMENT TOOLS AND TECHNIQUES | <ul style="list-style-type: none"> <li>• Staff training</li> <li>• Record keeping</li> <li>• Fire drills</li> <li>• Security</li> </ul>  |
|   |                                  | IV  | EMERGENCY PLANNING                          | <ul style="list-style-type: none"> <li>• Fire risk assessment and analysis</li> <li>• Emergency action plans</li> <li>• Evacuation routines and protocols</li> </ul>   |
| 7 | <b>Related CFPA-E Guidelines</b> | • 21:2009 F   |   |  |
| 8 | <b>Examination</b>               | Written examination   |   |  |

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| 9  | <b>Certificate -<br/>Diploma -<br/>Attest</b> | Certificate<br>Optional subtitle «Construction Works Fire Safety Coordinator CFPA-E»   |
| 10 | <b>Countries<br/>Running the<br/>Course</b>   | <ul style="list-style-type: none"> <li>• Italy (isfop@networkaias.it, www.isfop.it)</li> <li>• Portugal (secretario.geral@apsei.org.pt, www.apsei.org.pt)</li> <li>• Spain (mrodriguez@cepreven.com, www.cepreven.com)</li> <li>• Sweden (utbildning@svbf.se, www.brandskyddsforeningen.se)</li> <li>• UK (training@thefpa.co.uk, www.thefpa.co.uk)</li> </ul> |