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| **1.15 Explosion [Prevention and Protection] in Places where explosive atmospheres may occur** |
| Level | 2 |
| Duration | Minimum 12 Hours  |
| Credits / Points | 12 |
| Aim | To provide learners with basic knowledge of prevention and protection measures that are required by EC directives |
| Target Public | Suitable for all those engaged in the design stages of construction work or in the supervision of fire safety where this risk might occur |
| Prerequisites | Basic knowledge of the characteristics of flammable liquids, gases and dust |
| Progression | Courses from the CFPA Qualifications Framework to broaden knowledge  |
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| Learning Outcomes | Upon successful completion of the course learners will be able to: |
|  | Demonstrate knowledge of the requirements of dangerous substances and explosive atmosphere regulations |
|  | Safely use flammable or explosive substancesClassify their properties  |
|  | Execute practices which prevent or mitigate any fire or explosion caused by properties of flammable or explosive substances |
|  | Illustrate the effects of different explosions and how they might be controlled |
|  | Identify, classify and implement actions to reduce hazards |
|  | Use effective methods to choose equipment, protection and control systems |
|  | Carry out correct storage and maintenance |
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| Related Guidelines | 1 F; 11 F |
| Assessment  | A practical and/or written assessment in the area that is designed for one hour in duration |
| Qualifications | CertificateOptional subtitle «Explosion Protection Officer CFPA-E» |