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| **1.16 Classification of Explosive Hazardous areas** |
| Level | 3 |
| Duration | Minimum 12 Hours  |
| Credits / Points | 12 |
| Aim | To provide learners with knowledge of how to establish a classification plan according to international standards and regulations |
| Target Public | Individuals who will establish and review classification plans. For example, risk engineers at process plants or consultants working with risk identification, consultants in the ATEX work area, contractors dealing with occasional work in hazardous areas |
| Prerequisites | Basic knowledge of the characteristics of flammable dust, liquids and gases. Knowledge in the physics of fire and explosions. Basic knowledge in the ignition process |
| Progression | Courses from the CFPA qualifications framework. |
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| Learning Outcomes | Upon successful completion of the course learners will be able to: |
|  | Appraise the requirements of dangerous substances and explosive atmosphere regulations |
|  | Organise use of flammable or explosive substancesDistinguish between their properties  |
|  | Compare and contrast the properties of flammable or explosive substances |
|  | Structure the prevention or mitigation of any fire or explosion caused by properties of flammable or explosive substances |
|  | Distinguish the effects of different explosions and how they might be controlled |
|  | Select, classify and formulate actions to reduce hazards |
|  | Appraise methods for selection of appropriate equipment, protection and control systems |
|  | Organise 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 « Classification of Explosive Hazardous Areas Officer CFPA-E» |