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| **1.11 Risk Management of Technical Safety** |
| Level | 4 |
| Duration | Minimum of 30 hours |
| CFPA-E Points | 30 |
| Aim | To provide learners with an integrated and holistic view of risk management applied to technical and/or process hazards resulting from hazardous incidents on industrial sites |
| Target Public | Executive and middle manager, specialists, safety managers, risk and consulting engineers, underwriters, consultants and insurers |
| Prerequisites | Basic understanding and experience in at least one aspect of practical safety management |
| Progression | Courses from the CFPA qualifications framework to broaden knowledge at Level 4 or progress to more in-depth courses at Level 5  |
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| Learning Outcomes | Upon successful completion of the course learners will be able to: |
|  | Verify the integration of risk management in form and content |
|  | Monitor the selection of appropriate related regulatory frameworks and standards to the regulation and management of technical and/or process hazards.  |
|  | Appraise, verify and communicate technical safety risks in the context of relating them to and distinguishing them from other existing system risks |
|  | Critique methods of qualitative and quantitative risk assessment of technical safety (including risk analysis and rating)  |
|  | Select, check and coordinate the integration of risk optimized safety measures, addressing whether to avoid, transfer, mitigate or retain the residual risk (i.e. crisis management and emergency planning) |
|  | Coordinate, monitor, prioritise and justify adequate safety measures for the recognised risks by a number of criteria including cost-effectiveness |
|  | Coordinate and integrate the use of risk management as a company management tool |
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| Related Guidelines |  |
| Assessment  | Written examination plus a case study presented in writing or orally. |
| Qualifications | DiplomaOptional subtitle «Risk Manager of Technical Safety»  |