

Hazard Identification

Purpose

This course provides an understanding and awareness of the tools and techniques available for hazard identification, where they can be applied and what limitations may exist. Students will be introduced to the concept of HAZID, including the HAZID team and process. A range of other hazard identification techniques will also be introduced.

At the end of the course you will be able to

1. Assess the role of hazard identification in the risk management process
2. Critically review the tools and techniques available to carry out effective hazard identification at each lifecycle stage
3. Design a fit-for-purpose hazard identification study

Outline content

Basic concepts

Overview of hazard identification techniques:

- Critical examination
- Codes and standards
- Hazard indices
- Concept Safety Analysis / Preliminary Hazard Review
- What If?
- Safety audits
- Fault trees and event trees
- Sneak Analysis
- Human error / task analysis

Hazard identification through the project lifecycle

Failure Modes and Effects Analysis (FMEA)

Hazard and Operability (HAZOP) studies

HAZID/checklist approach

HAZID versus HAZOP

Making recommendations

Recommended prior study

Education, skills or experience equivalent to undergraduate level

Risktec module: *Principles of Risk Management*

Who should attend

Managers, engineers, operators, HSE advisors and risk management practitioners.

Delivery Methods

Face-to-face, Distance Learning, or Blended Learning

Levels of Assessment

- Attendance only
- Assessment by Risktec
- Risktec Professional Qualifications
- Postgraduate Qualifications: PgCert, PgDip and MSc

Assessment details

Postgraduate programmes: activities and assignment (total about 80 hours)

RPQ programmes: assignment (about 15 hours)

Module details

Level	Masters/RPQ
Duration	2 days (F2F), 8 weeks (Postgraduate or RPQ DL)

Price

For prices and further information, or to book a course, please contact **Vicky Billingham** at training@risktec.tuv.com

Contact

Risktec Solutions Ltd
Wilderspool Park
Greenall's Avenue
Warrington
WA4 6HL
United Kingdom

Tel +44 1925 611 200
training@risktec.tuv.com
risktec.tuv.com