

What's the purpose?

The course enables students to understand and implement the requirements of formal safety assessment in the rail industry. This involves an introduction to safety and risk with an overview of safety regulations in rail engineering. Potential escalation events, human factors and safety management are discussed. Organisational responsibilities, risk criteria, risk modelling, risk reduction and decision-making techniques also form part of the course.

Who is this for?

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

What does it cover?

- Introduction to safety and risk in the rail industry
- Identifying and assessing railway hazards and risks
- Potential escalation events e.g. speed, derailment
- Human factors and safety management
- Organisational responsibilities
- Risk reduction and criteria
- Novel risk modelling and decision-making techniques

After completing the course you should be able to:

1. Demonstrate knowledge of the principles of risk management and its relevance to the rail industry
2. Apply techniques to evaluate risk of the rail environment from both design and operation aspects
3. Generate a quantitative and/or qualitative rail formal safety assessment

	Delivery methods	
	Face-to-face	Distance learning
Risktec CPD	2 days, followed by assessment	12 weeks duration
Attendance only	2 days	—

If you are a corporate client and would like a customised delivery, please contact the training team to discuss your requirements.

What prior study is recommended?

Education, skills or experience equivalent to undergraduate level. Risktec course: Rail Industry Hazards and Risks.