



AM 433 – RISK AND RESILIENCE

Risk is everywhere, whether it's natural disasters, system failures, economic downturns, disruptive change, or legal pitfalls. It isn't possible to eliminate risk entirely, but risks can be managed.

AM 433 is designed to help you improve your understanding of risk and resilience for assets and infrastructure, and how to integrate them into all aspects of decision-making.

By the end of AM 433 – Risk and Resilience, you will be able to:

- Assess asset risks for multiple failure modes and gaps
- Develop a programme of asset network and organisational resilience plan
- Quantify risk and resilience levels for the organisation
- Evaluate risk mitigation options to close identified gaps
- Integrate risk and resilience into all aspects of decision-making.

Who should attend

Anyone involved in infrastructure asset decision-making, from asset managers to insurers.

Typical attendees include

- Asset Managers
- Consultants
- Engineers
- Project managers
- Executives
- Auditors
- Insurers
- Cost Estimators
- Valuators

Learning material

- Text, images, video
- Formative assessment
- Activities
- Case studies
- Summative assessment

Outcomes

This course will improve your understanding of risk and resilience and how to integrate them into all aspects of decision-making.

Content

- Why Manage Risk?
- How to Manage Risk
- Limitations of Risk Assessments
- Dealing with Uncertainty
- How to Treat Risks
- Choosing the Best Option
- Measuring and Building Resilience

Recommended prior learning or equivalent experience

An understanding of the content of the following badges: AM 203, AM 304 and AM 305.