

Workshop In Aviation Safety Management: 10-Day Intensive

Aviation
Brussels (Belgium)
28 Jul - 08 Aug 2025

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Workshop In Aviation Safety Management: 10-Day Intensive

Ref: 321754_145884 **Date:** 28 Jul - 08 Aug 2025 **Location:** Brussels (Belgium) **Fees:** 7400 Euro

Course Description

This intensive 10-day workshop provides a comprehensive overview of aviation safety management principles and practices. Participants will gain in-depth knowledge of safety management systems SMS, risk assessment techniques, human factors in aviation, and strategies for developing a positive safety culture. Through a combination of theoretical instruction and practical exercises, attendees will develop the skills needed to implement and maintain effective safety programs in aviation organizations.

Learning Objectives

- Understand the core components and implementation strategies of Safety Management Systems SMS
- Develop proficiency in risk assessment and mitigation techniques specific to aviation operations
- Analyze human factors and their impact on aviation safety
- Learn methods for fostering a positive safety culture within aviation organizations
- Gain practical skills in safety data analysis and continuous improvement processes

Course Modules

Day 1: Introduction to Aviation Safety Management

- Evolution of aviation safety
- Regulatory framework and ICAO standards
- Overview of Safety Management Systems SMS
- Safety culture concepts

Day 2: SMS Components and Implementation

- Safety policy and objectives
- Safety risk management
- Safety assurance
- Safety promotion

Day 3: Risk Management in Aviation

- Hazard identification techniques
- Risk assessment methodologies

A graphic of a chessboard with several chess pieces (king, queen, rook, knight, and pawns) in gold and silver. The text 'UK Training PARTNER' is overlaid on the board.

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- Risk mitigation strategies
- Bow-tie analysis

Day 4: Human Factors in Aviation Safety

- Human performance and limitations
- Crew Resource Management CRM
- Fatigue risk management
- Human error models

Day 5: Safety Culture Development

- Just culture principles
- Safety communication strategies
- Leadership's role in safety culture
- Measuring and improving safety culture

Day 6: Safety Reporting Systems

- Voluntary and mandatory reporting systems
- Confidentiality and non-punitive reporting
- Data collection and analysis
- Feedback mechanisms

Day 7: Safety Performance Monitoring

- Safety performance indicators
- Safety data analysis techniques
- Trend analysis and forecasting
- Continuous improvement processes

Day 8: Emergency Response Planning

- Emergency response plan components
- Crisis communication
- Business continuity planning
- Emergency response exercises

Day 9: SMS Auditing and Evaluation

- Internal audit processes
- External audits and regulatory oversight
- Gap analysis techniques
- Corrective action plans

Day 10: Advanced Topics and Future Trends

A graphic of a chessboard with several chess pieces. A large gold king piece is in the foreground, with a silver pawn and a silver knight behind it. In the background, there are concentric circles and the text 'UK Training PARTNER'.

- Integration of SMS with other management systems
- Safety management in unmanned aircraft systems
- Artificial intelligence and big data in aviation safety
- Emerging technologies and their impact on safety

Practical Wins for Participants

- Develop a customized SMS implementation plan for their organization
- Create a comprehensive risk register and mitigation strategies
- Design a safety culture improvement program
- Construct a set of relevant safety performance indicators for ongoing monitoring

A graphic of a chessboard with several chess pieces. A large gold king piece is prominent in the foreground, with a silver pawn and a silver knight behind it. In the background, there are concentric circles emanating from a point on the board.

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