

## Workshop In Aviation Safety Management: 10-Day Intensive

2027 ٠٠٠٠٠٠ 3 - ٠٠٠٠ 23  
Manama (Bahrain)

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## Workshop In Aviation Safety Management: 10-Day Intensive

~~R2022175411700851123~~ **Location:** Manama (Bahrain) **Fees:** 7600 GBP

### Why This Course

Safety is the cornerstone of aviation operations. This intensive 10-day workshop provides participants with a comprehensive understanding of aviation safety management principles and practices. Attendees will gain hands-on experience in Safety Management Systems SMS, risk assessment, human factors, and fostering a positive safety culture. Through a blend of theoretical instruction and practical exercises, participants will develop the skills needed to implement and sustain effective safety programs in aviation organizations.

### What You'll Learn and Practice

By attending this workshop, you will be able to:

- Understand the key components and implementation strategies of Safety Management Systems SMS.
- Conduct risk assessments and develop mitigation strategies tailored to aviation operations.
- Analyze human factors and apply Crew Resource Management CRM principles.
- Foster a positive safety culture across aviation teams and organizations.
- Utilize safety data analysis and continuous improvement processes for proactive risk management.

### The Program Flow

#### Day 1: Introduction to Aviation Safety Management

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

#### Day 2: SMS Components and Implementation

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

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A graphic of a chessboard with several chess pieces (a king, a queen, a rook, and a pawn) on it, set against a background of concentric circles.

### **Day 3: Risk Management in Aviation**

- Hazard identification techniques
- Risk assessment methodologies
- Risk mitigation strategies
- Bow-tie analysis for safety management

### **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 SPIs
- Safety data analysis techniques
- Trend analysis and forecasting
- Continuous improvement processes

### **Day 8: Emergency Response Planning**

- Components of an effective emergency response plan
- Crisis communication strategies
- Business continuity planning
- Practical emergency response exercises

## Day 9: SMS Auditing and Evaluation

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

## Day 10: Advanced Topics and Future Trends

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

## Individual Impact

Participants will leave this workshop with:

- A customized SMS implementation plan for their organization.
- A comprehensive risk register with actionable mitigation strategies.
- A safety culture improvement program tailored to their operations.
- A set of safety performance indicators for ongoing monitoring and evaluation.

## Organizational Impact

Organizations will benefit from:

- Enhanced operational safety and regulatory compliance.
- A proactive approach to identifying and mitigating risks.
- Strengthened safety culture and leadership engagement.
- Data-driven safety monitoring and continuous improvement processes.

## Training Methodology

- Interactive lectures and real-world case studies
- Hands-on exercises and scenario-based workshops
- Group discussions and practical simulations
- Tools and frameworks for SMS implementation and performance monitoring

## Beyond the Workshop

By the end of this 10-day program, participants will be ready to:

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- Implement and manage Safety Management Systems effectively.
- Apply risk assessment and human factors analysis to real-world scenarios.
- Develop a positive safety culture across aviation teams.
- Monitor safety performance and implement continuous improvement initiatives.

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