



Irish Aviation Authority International

Learn from our Aviation Safety,
Security and Legal Experts

COURSE BROCHURE

iaa.ie/training



Introduction

IAA International, a division of the Irish Aviation Authority, is a leader in aviation training and consultancy services. Dedicated to advancing safety, security and operational standards, we deliver world-class training through innovative online and in-person courses tailored to meet the needs of aviation and industry professionals. We also engage in consultancy services internationally.

Our programmes combine the expertise of industry specialists and third-party professionals, offering online and in-class experiences. Our courses cover a wide range of aviation related subjects, and are designed to enhance technical knowledge, regulatory compliance, and operational excellence.

Our Services

The IAA enhances aviation safety and security by offering expertise and support to industry and other aviation authorities, helping them implement effective safety and security programmes.

We do this through online and in-class learning, which is available to all stakeholders.

- We provide training services to regulated entities in the aviation safety and security environment.
- We are committed to improving performance for both individuals attending our courses and the aviation industry at large. This catalogue highlights the different training services that we provide.

3 DAY COURSE

Introduction to SMS

Course Overview

This course has been designed to guide the participant through the ICAO fundamentals of SMS and relevant regulations within the aviation sector. Participants partake in relevant case studies, where upon successful completion of the course, a certificate of competency is awarded.

Who will benefit from this course?

This course is ideal for individuals, managers and staff in the aviation industry who require an understanding of the principles of safety management systems.

Course Topics

- Introduction – the four pillars of SMS
- Aviation law
- Safety policy and objectives
- Safety Risk management
- Safety assurance
- Safety promotion
- Just culture
- Introduction to Occurrence Reporting
- Introduction to CAMO, Part 145 and Part 21 SMS
- State Safety Plan
- Emergency response plan

Course Comment

“Very good course, well worthwhile.
Lots of interesting conversations-open
learning environment. Very helpful”.



3 DAY COURSE

Advanced SMS

Course Overview

This course builds on IAA International's Introduction to Safety Management Systems course and draws on ICAO Annex 19 & Doc 9859, as well as the EASA Management Systems Assessment Tool (MSAT). This course is enhanced with case studies, experiences and observations from the IAA's current oversight activities.

Who will benefit from this course?

This course is suitable for national aviation authority regulatory personnel, all nominated persons, accountable managers, senior managers and those who want to assess the effectiveness of their own SMS.

Course Topics

- Introduction to MSAT
- Safety management system components and elements
- Safety policy and objectives
- Safety risk management
- Safety assurance
- Safety promotion
- Application and processes of MSAT
- Just culture
- Occurrence reporting
- Interface SMS and SSP

Course Comment

"Thank you for delivering an exceptional training course and content".



1 DAY COURSE

Root Cause Analysis and Corrective Action

Course Overview

This course is designed to equip participants with the skills and knowledge needed to identify and investigate the underlying causes of incidents, problems, or failures within the aviation industry. In addition, the topics of corrective action, preventive and remedial action are developed in detail with practical exercises throughout.

Who will benefit from this course?

This course is ideal for aviation professionals responsible for managing or addressing audit findings, incidents or occurrences, quality managers, compliance officers, safety managers, auditors, operational staff, and anyone involved in developing corrective and preventive action plans or enhancing organisational safety and compliance strategies.

Course Topics

- Regulatory requirements
- Causes and timelines
- '5 Whys'
- Human factors considerations for RCA investigations
- Linear, epidemiological and systemic analysis models
- Cause and effect charts
- The bowtie concept

Course Comment

"The course was excellent in its content and delivery".



3 DAY COURSE

Regulatory Investigations and Enforcement

Course Overview

This course provides comprehensive knowledge and skills for state regulators to effectively handle regulatory enforcement matters. Through this course, participants gain a deep understanding of the legal aspects related to enforcement, including civil and criminal law, the Constitution, separation of powers, and the court system. We also explore the influence of European Union law and its application in regulatory contexts. A unique aspect of this course includes a visit to the Four Courts, offering first-hand observation of regulatory prosecutions.

Who will benefit from this course?

This course is specifically designed for professionals associated with regulatory bodies, whether they have a legal background or not. It is aimed at individuals responsible for conducting investigations and prosecuting regulatory matters.

Course Topics

- Introduction to the Irish legal system
- Criminal prosecutions (including introduction to the rules of evidence) and judicial review
- Sources of law – legislation & precedent, with a focus on the IAA's legislation
- Structure of the court – district and circuit court criminal procedure
- The law of evidence
- Disclosure and the Book of evidence
- Examination in chief/cross examination
- Interview skills and note taking
- Legal discovery

Course Comment

“Many thanks to the trainers for facilitating this course. It was very useful, and I enjoyed the training”.



3 DAY COURSE

Compliance Monitoring and Auditing – for NAA

Course Overview

This four-day course is tailored to equip regulators with a comprehensive understanding of auditing principles and practices. It aims to enable them to develop auditing processes suitable for a wide range of regulatory activities, including those related to aerodromes, flight operations, aircraft airworthiness management and maintenance, and training organisations.

Who will benefit from this course?

The course is designed for both individuals and multi-disciplinary teams, providing the necessary tools and techniques to plan and conduct regulatory audits that verify compliance and assess process effectiveness.

Course Topics

- The basis for regulatory oversight and state obligations
- Auditing as part of regulatory oversight
- Effective management of the oversight process
- Organisation's response to regulatory requirements
- Auditor competency and development issues
- Relative responsibilities within the competent authority for oversight management and decision making based on oversight audit results
- Planning an audit visit
- The function and responsibilities of regulatory oversight team leaders
- Audit sampling and protocols
- Regulatory audit reports, records and timescales of corrective actions

Course Comment

"Excellent 3 days - well worth doing".



3 DAY COURSE

Compliance Monitoring and Auditing – for Industry

Course Overview

This course aims to enhance participants' proficiency in managing, planning and reporting various audits to ensure regulatory compliance.

Who will benefit from this course?

This course is designed for aviation professionals involved in compliance monitoring, quality assurance, and safety management. It is ideal for persons seeking to enhance their skills in planning, conducting, and reporting audits within the framework of European aviation regulations.

Course Topics

- Understanding European regulatory requirements for auditing
- General audit principles, characteristics, and qualities of auditors
- Compliance monitoring programmes
- Assessing the individual audit requirements
- Planning the detailed stages of the audit
- Dealing with confrontation
- Reporting of audit findings and evaluating results
- Corrective, preventive, and remedial action and verification of implementation
- Root cause determination
- Audit close out
- Monitoring audit results

Course Comment

"Course instructor was excellent. Very well delivered. Thanks for organising!"



4 DAY COURSE

Aviation Security Management

Course Overview

This course is designed to equip participants with the skills and knowledge needed to manage aviation security effectively. Through practical exercises, peer engagement, and innovative learning techniques, this course serves as a comprehensive resource to provide you with everything you need to get started in aviation security management.

Who will benefit from this course?

This course, which introduces the fundamental aviation security concepts for management, system planning, operational practices and compliance to accountable managers and people with responsibility for the implementation of aviation security controls in their organisation.

Course Topics

- National Civil Aviation Security Programme
- Quality control
- Root cause analysis
- Insider risk
- Risk assessment
- Human factors
- Just culture
- Security culture
- SeMS
- Leadership and performance management
- Screening methods and application
- Aviation security equipment
- Occurrence reporting and contingency measures

Course Comment

“All who presented and worked on the course were friendly and willing to give their time to help us understand”.



1 DAY COURSE

NEW

Introduction to Cybersecurity Awareness

Course Overview

This course aims to develop knowledge, awareness and understanding of the principles and practices assuring cybersecurity in the aviation sector. It gives a basic level of awareness of cybersecurity principles, explains information security classifications and includes best practices for cybersecurity implementation. An overview of the relevant rules is also included with practical examples of how they apply to the different entities involved in the aviation sector. The course is a first step for those implementing or are conducting oversight of cybersecurity measures in accordance with Part-IS, NIS 2, aviation security regulations and as a general introduction for those with an interest in this area.

Who will benefit from this course?

This course is ideal for aviation professionals new to cybersecurity, including those involved in safety, operations, or compliance. It also benefits individuals tasked with implementing or overseeing cybersecurity measures. Regulatory personnel and service providers within the aviation sector will gain valuable insights. Additionally, it suits anyone seeking a foundational understanding of cybersecurity in aviation.

Course Topics

- Overview
- Introducing Cybersecurity
- Background to the legal requirements
- Confidentiality
- Information security basics
- Integrity
- Availability
- Technology basics
- Internet
- Setup and design
- Terminology
- Application to the aviation sector
- Applicable rules and timelines
- Entity types
- Competent/Appropriate Authority
- Information Security Management Systems
- Elements to be addressed
- Information Security Management Manual
- Occurrence reporting



3 DAY COURSE

NEW

Advanced Cybersecurity Oversight

Course Overview

Developed for those personnel implementing internal or external oversight, this course builds on the course content delivered in the introduction to cybersecurity course as well as participants existing competence in compliance monitoring. The course focuses on how these techniques can be applied to the cybersecurity domain and examines the applicable rules in detail. Using practical exercises and activities, the course supports participant learning for evaluating compliance, and how best practices and deficiencies may be identified in the process.

Who will benefit from this course?

This course is designed for aviation professionals responsible for internal or external compliance monitoring, particularly those expanding their scope to include cybersecurity oversight. It benefits safety and security auditors, compliance managers, and regulatory inspectors. Participants with prior knowledge of cybersecurity principles seeking to deepen their understanding of relevant regulations and audit techniques will also find this course valuable.

Course Topics

- Overview
- Why Cybersecurity?
- Background to the legal requirements
- Compliance monitoring process
- Policy
- Competency
- Values
- Scope
- Planning
- Resources
- Reporting
- Compliance monitoring process
- Audit
- Inspection
- Test
- Survey
- Investigation
- Regulations in the aviation sector
- Rules
- Entity types
- Competent/Appropriate Authority
- Enforcement
- Information Security Management Systems
- Elements to be included
- Recognition of equivalence
- Case studies
- Review of ISMM and other practical scenarios to practice skills and apply knowledge
- Review of oversight methods and processes



1 DAY COURSE

Safety Occurrence Reporting – for Industry

Course Overview

Certain organisations are mandated to establish and maintain occurrence reporting systems in the context of their safety management systems. This course provides practical guidance to Industry on how the EU occurrence reporting requirements apply to organisations and their personnel. Participants learn about the fundamental components of an organisation's occurrence reporting system, covering the reporting, collection, storage, protection, exchange and analysis of safety information. The course encompasses both mandatory and voluntary reporting and provides insight into how organisations should interact with the competent authority who manages the national occurrence reporting database.

Who will benefit from this course?

This course is suitable for people from various sectors of industry that have a requirement for knowledge of occurrence reporting systems, particularly safety managers, safety management personnel, and people perform functions in occurrence reporting or analysis, and to auditors such as CMF. It may also apply to personnel who make reports and wish to further their interest in aviation safety.

Course Topics

- Occurrence reporting system overview and regulatory framework
- Overview of occurrence reporting system activities and competencies
- Database management/taxonomy and data quality
- Risk classification
- Follow up and final analysis
- Integrating the occurrence reporting system to other safety management activities
- Connection to state and European level safety management



Why Us?

- **We offer effective training** and are committed to safety promotion through our high-quality service and support
- Trained over **2,000+** personnel
- Delivered over **250+** courses
- Our trainers are subject matter **experts in their field**
- We have a **96% satisfaction rating**
- We offer **post-course support**
- Our courses are **recognised and endorsed** in the aviation industry
- We offer **worldwide training locations**
- We offer **in-house bespoke training worldwide**



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