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CERTIFIED EU AVIATION SAFETY MANAGER™

CEU ™

Fully Accredited By:

Chartered Institute of Professional Certifications

CPD Certification Service

CEU™
CERTIFIED EU AVIATION SAFETY MANAGER™

PROGRAM OVERVIEW

The European Union represents one of the most intricate and demanding regulatory landscapes in global aviation. Organizations that **implement robust aviation safety management systems report up to 72% fewer significant safety incidents and realize 45% greater operational efficiency** compared to those with underdeveloped systems. In this high-stakes environment, mastering EU aviation safety frameworks is no longer optional - it is essential for regulatory compliance, operational resilience, and long-term business sustainability.

This certified program is an advanced, industry-recognized certification designed to equip safety professionals with the comprehensive expertise required to lead aviation safety management functions within the highly regulated European Union aviation sector. **Aligned with the European Union Aviation Safety Agency (EASA) regulations and ICAO Annex 19 standards,** this program will provide you with deep technical knowledge and hands-on competencies critical for ensuring compliance, operational safety, and proactive risk governance across the aviation value chain.

Participants will delve into core modules covering:

- **Integrated Safety Management Systems (SMS)**: Gain in-depth knowledge of SMS and its implementation to enhance safety management across aviation operations within the EU regulatory framework.
- **Human Factors and Systemic Safety Thinking**: Application of human performance principles, fatigue risk management, and threat and error management (TEM) strategies.
- **Advanced Safety Risk Assessment Methodologies**: Learn advanced techniques for risk assessment aligned with EASA requirements to effectively evaluate and mitigate safety risks.

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PROGRAM OVERVIEW

- **Comprehensive Safety Documentation**: Acquire the skills to create and manage safety management documentation, ensuring compliance with industry regulations and organizational safety goals.
- **Safety Data Trends**: Gain the ability to analyze complex safety data trends, identify patterns, and utilize findings to improve safety strategies.
- **Safety Performance Indicators (SPIs)**: Learn how to develop and track SPIs to measure the effectiveness of safety management systems and drive continuous safety improvements.
- **Implement Cross-Border Compliance Strategies**: Master strategies for complying with aviation safety regulations across multiple jurisdictions, ensuring seamless cross-border operations.
- **Navigate EASA's Regulatory Framework**: Gain proficiency in understanding and applying the EU Aviation Safety Agency's regulatory framework and national authority expectations to ensure compliance and operational excellence.

Upon successfully completing the program, you will earn the **Certified EU Aviation Safety Manager (CEU™)** designation, validating your ability and expertise in navigating the EU's aviation regulatory landscape and implement compliant, safe, and forward-thinking aviation practices. Globally recognized and valid for life, this credential enhances your professional credibility and demonstrates your readiness to lead safety, compliance, and operational excellence across airlines, regulators, and aviation service providers.

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KEY SKILLS YOU WILL GAIN

From This Program

- SAFETY MANAGEMENT LEADERSHIP
- EASA REGULATORY NAVIGATION
- RISK ASSESSMENT TECHNIQUES
- HUMAN FACTORS INTEGRATION
- JUST CULTURE IMPLEMENTATION
- OCCURRENCE REPORTING COMPLIANCE
- SAFETY AUDIT EXECUTION
- SAFETY PERFORMANCE MONITORING
- DATA-DRIVEN DECISION MAKING
- HAZARD IDENTIFICATION METHODS
- SMS DESIGN AND DEVELOPMENT
- EMERGENCY RESPONSE PLANNING
- ROOT CAUSE ANALYSIS
- SAFETY COMMUNICATION STRATEGIES
- COMPLIANCE DOCUMENTATION WRITING
- PREDICTIVE SAFETY ANALYTICS
- CROSS-BORDER COMPLIANCE MANAGEMENT
- FLIGHT DATA INTERPRETATION
- INTERNAL SAFETY INVESTIGATION

YOUR FACULTY DIRECTOR

David Hope

Distinguished Aviation Safety and Engineering Expert

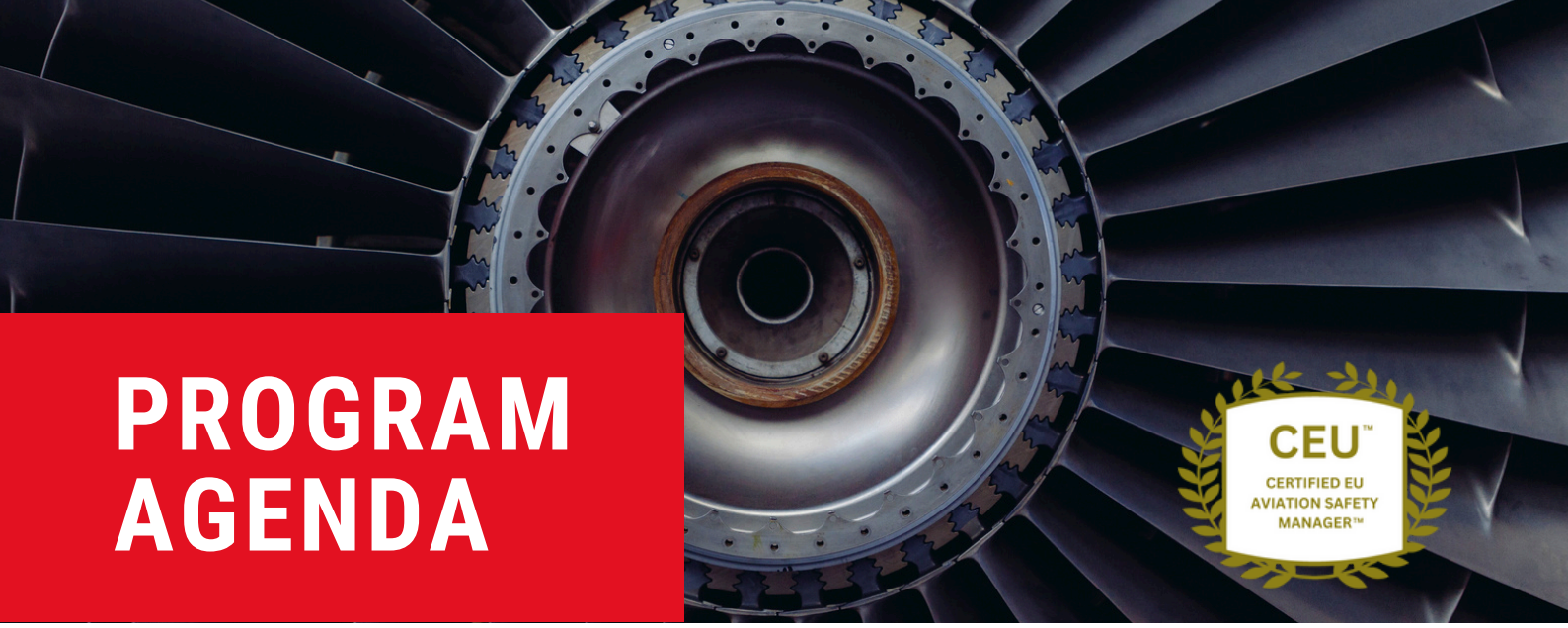
David Hope is a highly accomplished aviation professional with over 35 years of global leadership in aircraft engineering, maintenance, and aviation safety. He brings extensive expertise in EU aviation safety regulations, aircraft certification, and airworthiness compliance, having **led complex engineering and regulatory programs for leading carriers including Cathay Pacific, Qantas, and Cebu Pacific.**

David has been instrumental in developing and optimizing engineering and CAMO functions for both legacy and startup airlines across Asia and the Middle East, such as Flyadeal and Salam Air. His leadership has delivered measurable results, including a **5% improvement in dispatch reliability and a 30% reduction in reportable technical incidents on Cathay Pacific's A330 fleet.** He also spearheaded the development and certification of Qantas's Airbus A380 cabin entertainment system and the world's first in-flight mobile connectivity platform.

As an experienced aviation educator, David has delivered regulatory and safety training across Europe and the Middle East, covering EU aviation law, SMS, flight operations, and accident investigation. In 2025, he was **recognized as Instructor of the Year 2024 by Sofema Aviation Services for his outstanding contributions to aviation training.**

OUR PARTICIPANTS

Over 70% of FORTUNE 500 Companies Have Attended Our Accredited Programs Before



PROGRAM AGENDA

MODULE 1: OVERVIEW OF EU AVIATION SAFETY REGULATIONS

- ICAO and its role in developing global aviation safety standards
- The EUs rule making structure
- Structure of EASA aviation regulations (Legislative framework, Basic regulation, IRs, AMCs, GM and CS)
- EASA Rule making and industry consultation' process for the evolution of aviation regulations

MODULE 2: KEY PILLARS OF THE EU AVIATION STRATEGY

- History, mission and operating principles of EASA
- EASA's role in developing new regulations in the interest of EU aviation safety and economics
- EASA's European Plan for Aviation Safety (EPAS) – Its vision, content and timeline
- EASA's relationship in the global aviation regulatory system (Safety data sharing, Bilateral agreements, etc.)

MODULE 3: COMPLIANCE WITH INTERNATIONAL SAFETY STANDARDS

- In-depth review of the ICAO annexes (SARPs)
- State Safety Programs and the related roles and responsibilities of both EASA and National Aviation authorities
- How aviation regulations are harmonised across FAA, EASA and other authorities
- Overview of safety statistics, trends and safety drivers in the main aviation sectors: Top 20 hazards in aviation operations
- The EPAS relationship with ICAO SARPs

MODULE 4: CERTIFICATION AND APPROVALS UNDER EASA

- General philosophy of EASA when approving organisations
- The regulatory framework for aircraft/aviation product certification
- Requirements for gaining organisational approval as applied to operators, flight training organisations, design, production and maintenance organisations
- Responsibilities of post holders to establish and maintain functional management systems which incorporate risk-management principles

MODULE 5: AVIATION SAFETY MANAGEMENT SYSTEMS (SMS)

- The history and evolution of SMS

PROGRAM AGENDA

- Regulatory requirement for SMS in the EASA system
- EASA strategy - SMS as an integrated management system
- Framework - The four pillars of SMS
- What is risk? - Principles of risk-based management in SMS
- Management role in making SMS effective – Communication
- EASA's drive to ensure the competency of individuals
- Importance of safety reporting systems and the 'Just Culture'
- The management of information security risks within an I-SMS

MODULE 6: RISK BASED OVERSIGHT AND MONITORING

- Proactive versus reactive safety management methods
- How we identify and assess the risk in an organisation
- Confidential reporting systems
- Building hazard registers and the process of setting mitigations
- Measuring our performance – Sensors and measures
- Management and sharing of safety data
- The management of change
- Developing mitigations and safety improvements
- Managing risks with subcontractors

MODULE 7: SAFETY INCIDENT INVESTIGATION (1) – INTERNAL RISKS AND INCIDENTS

- Definitions – Incidents, serious incidents and accidents
- When to investigate internal risks and incidents – Exposure vs. Return on investment – ALARP concept
- Jurisdiction and legal considerations
- The incident investigation and analysis process
- Factors contributing to incidents – The Reason Model
- Root cause analysis techniques: 5 Whys, Event Causal Analysis (ECF), Tripod beta methods, FMEA
- Implementing mitigations & communicating findings

MODULE 8: SAFETY INCIDENT INVESTIGATION (2) – AIRCRAFT ACCIDENTS

- Overview - Investigating serious incidents / aircraft accidents

PROGRAM AGENDA

- ICAO Annex 13 Accident Investigation
- IICAO Doc 9156 – Incident reporting manual
- Investigator responsibilities, competencies and reporting obligations
- Preservation of data and evidence
- Managing risks during on-site investigations
- Handling communications following an accident
- Effective interviewing of witnesses
- Determining cause
- Writing a formal incident / accident report
- Outcomes of landmark aircraft accidents: Lessons learnt and changes made to technology and operations

MODULE 9: HUMAN FACTORS IN AVIATION

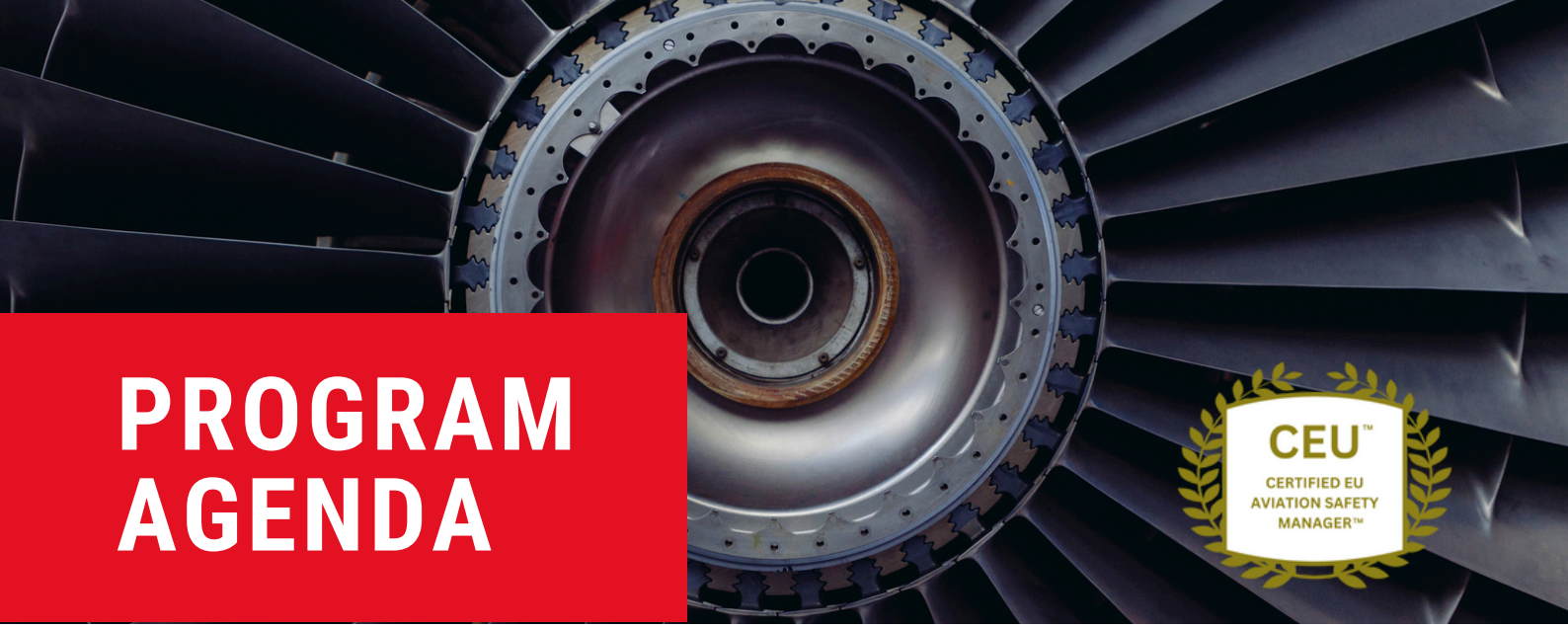
- History of human factors in aviation safety science
- About ICAO Doc 10151 'Manual on human performance (HP)'
- Common types of aviation incidents related to human factors
- Human factors vs Human performance
- Types of HF related failures – Skills based vs Rules based
- Organisational factors affecting Human factors / performance
- Training effectiveness and its relationship to competence
- Minimising the risk of HF related failures through process design
- Overview of HF-based ergonomics in aircraft cockpit design

MODULE 10: EMERGENCY RESPONSE PLANNING

- Purpose and policies for an Emergency Response Plan
- Essential elements of an ERP for effectiveness – Principle and mandatory contents per ICAO Annex 19
- Developing the ERP - Structure and who needs to be involved
- Testing the ERP through simulation and exercises
- Keeping the ERP current

MODULE 11: SAFETY AUDIT TECHNIQUES

- Overview of safety auditing: Objectives and approach
- Preparing the audit: “Who, what and where”, The audit plan
- Assembling the audit team – Required competencies



PROGRAM AGENDA

- Conducting the audit – What to look for – Setting priorities
- Gaining buy-in from the organisation
- Interviewing for feedback
- Creating an audit report – Proper documentation format and content
- Communicating findings, setting corrective actions and following up
- Fostering continuous improvement
- Overview of IOSA organisational safety auditing process for airlines and operators

MODULE 12: TECHNOLOGY AND INNOVATION IN AVIATION SAFETY ENHANCEMENT

- Background – How technology has enhanced aviation safety
- The role of automation in aviation safety
- Benefits and challenges of emerging Electric and hydrogen powered aircraft, Next generation Air Traffic Management, UTM systems, Urban air mobility, Artificial intelligence for autopilots, single pilot operations and predictive maintenance
- New generation Flight Safety Training Devices (FSTDs) for high-risk training scenarios. Benefits of VR-based training
- EASA's position on integrating new technologies, their strategic plans and road map for AI

MODULE 13: AVIATION SAFETY AND THE ENVIRONMENT

- The environmental challenges for aviation
- The role of new technologies in reducing environmental footprint (More efficient aircraft, electric & hydrogen power, sustainable aviation fuels)
- Developments in gas turbine engines to reduce emissions
- Predicting the long-term effects of climate change, weather patterns and weather phenomena
- Technologies and strategies for contrail management
- Mitigating the impact of urban air mobility vehicles and drones on the environment

YOUR CHARTER DESIGNATION

Chartered Institute of Professional Certifications' programs are unique as they provide you with professional charter designations and marks that can be used across your lifetime once you have completed our programs.

Upon successfully attending this program, you will be awarded with the **Certified EU Aviation Safety Manager (CEU™)** designation that can be used in your resume, CV and other professional credentials. This certification is industry-recognized with lifelong validity.

Globally respected and increasingly in demand, this certification will amplify your expertise in managing safe, compliant, and efficient aviation operations in alignment with EASA regulations, ICAO standards, and national oversight frameworks. It affirms your ability to design and implement robust safety management and compliance systems that meet EU legislative requirements and international aviation best practices. This program is developed by **Chartered Institute of Professional Certifications** and the content of this program has been certified by **CPD Certification Service** as adhering to highest standards of continuing professional principals.

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OUR FACULTY DIRECTORS

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We Thank You for Your Ongoing Support of Our Programs

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