



(2 Days)

SAFETY MANAGEMENT SYSTEM



Elevate UAS Safety: Master Systematic Safety Management and Risk Mitigation for Aviation Excellence

Participants will learn the key principles and components of a Safety Management System (SMS) in aviation, including how to set up organizational structures, accountabilities, and responsibilities to support SMS. They will master risk management techniques, such as hazard identification, mitigation, and data analysis, in line with international (ICAO Annex 19, Doc 9859) and local (CAAM CAD19, CAGM 1902) standards. The course covers the four SMS components—Safety Policy, Safety Risk Management, Safety Assurance, and Safety Promotion—and teaches how to implement them effectively. It includes performance monitoring, an introduction to the Specific Operation Risk Assessment (SORA) methodology, and fosters a safety-oriented culture. Through case studies and critical thinking exercises, participants will improve their skills in safety communication and promotion, gaining the knowledge to apply SMS principles in their work and ensure ongoing safety improvements in aviation operations.

Trainer Profile:



Qualification and Working
experience- *endorsed by
the Civil Aviation
Authority of Malaysia to
train SMS in an Aviation
course*

CAPT. ABD HALIM BIN SHAHAR ADNAN

Safety Audit & Lead Auditor Course –SAA I NEBOSH UK
Risk Management Master Class – Holland I SMS in Aviation
CAAM I CRM Instructor – AACE/CAAM
Helideck Inspector – HOTA UK I Train The Trainer NIOSH
RCOC-B – Drone Academy Asia



Target Audience:

Aviation Professionals
UAS Operators and Service Providers
Safety Managers and Officers
Aviation Regulators and Inspectors
Aviation Students and Academics
Risk Management Professionals
Aviation Executives and Managers
Aviation Safety Consultants

MyCoID: 202001011283

For more information please feel to contact us at
admin@archidrone.my or WhatsApp :



TRAINING PROVIDER BACKGROUND



We provide consultancy services for drone data services/Drone as a Service (DaaS), architectural design, 3D modelling, animation, and related Building Information Modeling (BIM) work.

To meet the future demands of skilled drone pilots by Industry 4.0, we offer a comprehensive drone course and practical training based on a National Occupational Skill Standard (NOSS) syllabus. Our goal is to produce professional drone pilots knowledgeable about laws, regulations, technical aspects, and maintenance.

We are appointed as a certified centre utilising the Previous Experience and Achievement (PPA) approach to conduct practical tests for the Malaysia Skills Certificate (SKM) among private and government entities in the field of drone flying. (SKM Level 2 – Drone Piloting & SKM Level 3 – Drone Commanding)

Additionally, we offer courses related to UAV applications in industries, technology, AI, and IoT.

Archidrone is also appointed as a registered Training Provider (TP) by HRDC, MBOT, and CIDB to conduct courses on UAS.

www.archidrone.my



COURSE OVERVIEW

The Safety Management System course teaches a comprehensive approach to managing safety, covering organizational structure, responsibilities, policies, and procedures. It emphasizes proactive risk management through hazard identification, mitigation, data collection, and analysis, following ICAO and CAAM requirements. The course includes key topics like SMS implementation, aviation safety fundamentals, performance monitoring, and an introduction to the SORA methodology. It aims to provide practical safety knowledge for various aviation sectors using readings, case studies, and critical thinking exercises.

OBJECTIVE

The objective of the Safety Management System course is to provide participants with a comprehensive understanding of safety management principles and practices in the aviation industry. It aims to equip them with the skills to implement and manage SMS effectively, ensuring organizational accountability, proactive risk management, and compliance with ICAO and CAAM requirements. The course focuses on fostering a safety-centric culture, enhancing hazard identification and mitigation capabilities, and promoting the continuous improvement of safety performance across various aviation sectors. Through a combination of theoretical knowledge and practical case studies, participants will learn to apply SMS concepts to real-world scenarios, ultimately contributing to safer aviation operations.

TRAINING METHODOLOGY:

Face-to-face

LEARNING OUTCOME

1. Understand the insight of SMS in aviation approach;
2. Use more rigorous, scientific methods for managing safety;
3. Recognize SMS as a management system and strive to inculcate SMS thinking in them throughout the organization;
4. Demonstrates an awareness and understanding of aviation safety;
5. Change the company culture to approach to safety;
6. Demonstrates safety and ensures risk is mitigated to a safe level;
7. Recognize, develop and apply safety promotion throughout an organisation.



TRAINING SCHEDULE

SMS – SAFETY MANAGEMENT SYSTEM							
TIME	8.30am – 10.30am	10.30 -	11.00am-13.00pm	13.00 14.00	14.00pm-15.30pm	15.30 15.45	15.45pm-17.15pm
HOUR	2.0	0.5	2.0	1.0	1.5	0.25	1.5
Day 1	Chapter 1 Introduction Chapter 2 Safety Management Fundamentals	TEA BREAK	Chapter 3 Safety Culture Chapter 4 Safety performance management	TEA BREAK	Chapter 5 Safety data collection and processing systems Chapter 6 Safety Analysis	TEA BREAK	Chapter 7 Protection of safety data, safety information and related sources
Day 2	Chapter 8 State Safety Management Chapter 9 Safety Management Systems		Chapter 10 Implementation planning Introduction to SORA Methodology		CAREs and HUFAC Presentation		HIRM Exercise and Presentation



TRAINER PROFILE

CAPT ABD HALIM BIN SHAHAR ADNAN

Pilot – Helicopter and UAV

- Flying Training
- Flight Safety Officer Course
- Safety Audit and Lead Auditor Course - SAA
- NEBOSH UK
- Risk Management Master Class - Holland
- SMS in Aviation – CAAM
- CRM Instructor – AACE/CAAM
- RO and HLO Instructor – HOTA UK
- Helideck Inspector – Flight Safety, Australia
- Train The Trainer – NIOSH
- DGR – LEO (Distinction)
- RCOC-B - Drone Academy Asia



Capt. Abd Halim bin Shahar Adnan 54, is a licensed helicopter pilot by Civil Aviation Authority of Malaysia (CAAM), UAS Flight Operation Manager for MHS Aviation Berhad. He has over 35 years of flight safety experience and 5,800 hours flying many types of single and multi-engine fixed-wing and helicopters.

Capt. Abd Halim has served in the Royal Malaysian Air Force for 13 years. He is a certified safety trainer and actively participate as safety speaker at company safety courses, Oil and Gas safety seminar or forum and safety training schools.

Capt. Abd Halim's flying experience awards him valuable insight into teaching the complexities of aviation.

Capt. Abd Halim also holds CAAM RCoC-B UAS Pilot Certificate. His background as an aviation safety and certified trainer by CAAM in various aviation subject give Capt. Abd Halim's unique understanding of the role of utilizing and teaching UAS operations.

Capt Abd Halim is the focal person for obtaining Special UAS Project and SOA process approval from CAAM for MHS proof of concept drone delivery in the urban environment.

TARGET GROUP BY DESIGNATION

1. Construction Managers
2. Building Inspectors
3. Asset Managers
4. Surveyors
5. Architects and Engineers
6. Environmental Consultants
7. Safety Inspectors
8. Solar Inspector/ Managers
9. Real Estate Professionals
10. Insurance Adjusters
11. Infrastructure Planners
12. Risk Analysts
13. Government Officials
14. GIS Specialist
15. Drone Operators
16. Agricultural Professional
17. Remote Sensing Analysis
18. Academics & Students
19. Forestry and Forestry Management
20. Mining and Quarrying Professionals

TARGET INDUSTRY

1. Construction and Engineering
2. Real Estate
3. Infrastructure Development
4. Facility Management
5. Environmental Consulting
6. Surveying and Geospatial Services
7. Insurance and Risk Management
8. Government and Public Sector
9. Safety and Compliance
10. Architectural and Design Firms
11. Mining and Quarrying
12. Agriculture
13. Utility and Energy
14. Telecommunication



Government
Agency, GLCs &
Private

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