

ASM 1:

Introduction: Why SMS?

Awareness of safety issues.
Understanding and cultural approach of safety. ICAO annex 19 and SMM

ASM 2:

What is SMS? How to implement it?

Principles of SMS, main components.
Key elements for a successful SMS.
Implementation. Safety policy objectives and Safety promotion

ASM 3:

Safety Risks Management

Main concepts of Safety Risk Management. Different methods of risk analysis and their application domains. Practical application.

ASM 4:

State Safety Program

To be able to understand the building blocks of a SSP, and plan, start and contribute to the implementation of a State Safety Program.

ASM 5a&b:

SMS in Air Operator

To understand the specificities of an Air Operator system and be able to apply SRM methodologies. To be able to develop, implement, assess and maintain a SMS in an Air Operator.

ASM 5c:

Implementation of an SMS in an ATO

To understand the specificities of a Training Operator system and be able to apply SRM methodologies. To be able to develop, implement, assess and maintain a SMS in an ATO.

ASM 5d:

Implementation of an SMS in an AMO

To understand the specificities of a Maintenance Organisation system and be able to apply SRM methodologies. To be able to develop, implement, assess and maintain a SMS in an AMO.

ASM 5e:

Implementation of an SMS in an Airport

To understand the specificities of an Airport system and be able to apply SRM methodologies. To be able to develop, implement, assess and maintain a SMS in an Airport

ASM 5f:

Implementation of an SMS in an ANSP

To understand the specificities of an Airport system and be able to apply SRM methodologies. To be able to develop, implement, assess and maintain a SMS in an ANSP

ASM 6:

Audit techniques

To be able to organize and lead an audit, from the opening meeting to the closure, write the audit report, and identify what are the requested soft-skills and behaviour to develop as an auditor.

ASM 7:

Safety risk management at Air Transport system level

Awareness of the complexity of aircraft accident, especially the interactions between human, organisational and technical factors. Principles of accident investigation methodologies.



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Aviation Safety Management Advanced Master program



Ecole Nationale de l'Aviation Civile

enac.fr

ÉCOLE NATIONALE DE L'AVIATION CIVILE (ENAC) is the largest aviation university in Europe and the world's most prestigious professional university in this area. Owned by Direction Generale de l'Aviation Civile (DGAC) in France, the school provides, in France, a complete range of 25 higher education programs ranging from Bachelor, to MSc, advanced Master, MBA, and even PhD through which it welcomes approximately 1000 foreign students annually.

ENAC also delivers around 500 advanced training course sessions per year and provides an intensive research activity related to civil aviation, as well as flight training for pilots. It holds a lot of industrial partnerships with some worldwide prominent aviation companies such as Airbus group, Aéroport de Paris (ADP), Alenia Aermacchi, SAFRAN, THALES Industries, UTC, ATR, Embraer, China Eastern, Lion Air, Air France, etc as well as with major aviation institutions, such as ICAO or IATA. Even if its headquarters are located in Toulouse, ENAC has a long experience in delivering training courses worldwide through over fifty university partnerships.

To reach the next level of aviation safety, international civil aviation authorities (ICAO, EASA, FAA) as well as IATA require organisations and institutions alike to implement a Safety Management System (SMS) for the management of safety risks. The corresponding fields include: aircraft design and production, air operations, aeronautical maintenance, air traffic navigation services, airport and training organisations.

SMS represents the next step in the evolution of safety processes in the aviation industry worldwide, at the organisational level. SMS complements the requirements and regulations in human or technical safety already implemented during the past decades. SMS is the formal systemic and pro-active approach to anticipating and managing safety risk, as well as to initiating and achieving the necessary transformation of organisational structures, accountabilities, policies, procedures, standard practices and regulations.

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To respond these challenges, ENAC has developed an Advanced Master program entirely dedicated to Aviation Safety

The Advanced Master Program in Aviation Safety Management is a part-time program with one intensive module (5days) every month for 12 months, followed by a practical phase.

It aims at training SMS managers who will lead the structural and administrative changes within their organisation, moving it from a reactive thinking to a predictive thinking.

Courses cover all the aspects of SMS concepts, processes, methods and operational management, either cross-domain or specific to the organisations: aircraft operator, maintenance organisation, airport operator, air navigation service provider, training organisation.

Upon completion of the program, graduates will have gained a broad knowledge of the current situation, challenges and perspectives of Aviation Safety worldwide. They will acquire the necessary skills to implement an effective Safety Management System in their own organization as well as among other aviation operators and at a State level.

Advanced Master Degree in Aviation Safety Management issued by ENAC, recognized by French Ministry for higher education and labelled by ICAO.

A program proposed by world-class aviation institution.

Program courses delivered by ENAC leading faculties and experts as well as by professionals from the top International aviation companies.

Part-time learning program.

All courses delivered in English.

WHO SHOULD ATTEND?

Primary Target Audience:

Qualified professionals seeking to become Aviation Safety Managers within State authorities and aviation operators (i.e. airlines, airports, ANSPs...).

Secondary Target Audience:

Senior and mid-level managers within State authorities and aviation operators involved in Aviation Safety Management