GAELICAM
CNS/ATM Consulting & Training

SAF-SM: SAFETY

OBJECTIVES.

This training course addresses Safety from a wide perspective introducing the attendees the different concepts, policies and strategies to deal with this important matter. The training course starts with a general overview on Safety identifying the most important concepts, why Safety is so important and how it can be provided.

This training course pursues that attendees get familiarized with SAFETY concepts, ESSAR (Eurocontrol Safety Regulatory Requirement) requirements and SAM (Safety Assessment Methodology) to define a means for providing assurance that an Air Navigation System is safe for operational use.

The course also presents the attendees Safety Management Systems addressing global and key aspects like, for instance, Safety Policy and Objectives, Safety Assurance and implementation of Safety Management Systems.

It also covers the ICAO's vision on Safety through ICAO's Annex 19 and the Global Aviation Safety Plan.

WHO SHOULD ATTEND.

This course will be directed to:

- **Engineering** and **professionals** of ANSPs involved in the design, installation and/or operation of CNS/ATM systems likely to have operational impact on Air Navigation Service Provision.

- **CNS/ATM Managers** who might want to know in detail all the SAFETY aspects when executing a CNS/ATM project.

- **SAFETY experts** who might want to go deeper in SAFETY analysis and SAFETY methodology and that might want to have practical and real experiences on SAFETY analysis.

- **CNS/ATM sector companies staff** requiring knowledge on this field to deploy aeronautical systems and services.

KEY BENEFITS OF ATTENDING.

You will:

- **Understand** the importance of SAFETY nowadays.

- **Learn** the key concepts, requirements and methodologies.

- **Understand** the principles for a SAFETY analysis.

- **Practise** undertaking real SAFETY analysis exercises.

COURSE PRE-REQUISITES.

Basic knowledge about the CNS/ATM framework.

ABSTRACT.

This training course addresses Safety from a wide perspective introducing the attendees the different concepts, policies and strategies to deal with this important matter. The course does not assume any initial background in this field and thus is perfectly suitable for either attendees with no knowledge on this matter or with some or intermediate background on Safety issues.

The training course starts with a general overview on Safety identifying the most important concepts, why Safety is so important and how it can be provided. One of the key and initial aspects is the risk and hazard identification. That is the previous and required step to undertake Safety risk management. The introductory section ends with a summary of the most important Safety indicators and how performance can be monitored.

A cornerstone in today's Safety management is Safety Management System. The training course presents the attendees Safety Management Systems addressing global and key aspects like, for instance, Safety Policy and Objectives, Safety Assurance and implementation of Safety Management Systems.

By attending this course, the trainees will also be able to acquire ICAO's vision on Safety through ICAO's Annex 19 and the Global Aviation Safety Plan. The former presents Safety as a global matter that must follow specific guidelines identifying State safety management responsibilities, describing Safety management system (SMS) and SMS framework and defining State safety oversight system and SSP framework. The latter addresses the Global Aviation Safety Plan paying special attention to the Safety objectives on a global basis, the Safety Performance enablers and the Safety Planning framework.

Once the attendees have acquired a global knowledge on Safety, Safety Management System, Safety objectives, etc., then it is the right moment to explore the current European Safety and Certification framework with the different European Commission Regulations explaining which EC regulates which Certification aspects. The course also addresses the Safety Regulatory Requirements developed by EUROCONTROL (ESARRs) tracing them against current EC Regulations.

TABLE OF CONTENTS.