COURSES

CATALOGE

COCESNA

ICCAE
Aviation Training

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Contents

CORPORACION CENTROAMERICANA DE SERVICIOS DE NAVEGACION AEREA

INSTITUTO CENTROAMERICANO DE CAPACITACION AERONAUTICA

ICCAE
Aviation Training

Instituto Centroamericano de Capacitación Aeronáutica

ICCAE is the Training Center of the Corporación Centroamericana de Servicios de Navegación Aérea and emerged as an initiative to meet the institutional training needs in the field of air navigation.

ICCAE is established as the most prominent aeronautical training center in the Central American region and has a significant international projection, offering quality solutions in the training and development of personnel linked to the air transport industry.

The programs with the highest number of courses taught and trained personnel are Air Navigation and Operational Safety, with the Air Traffic Control -ATC- area considered the most prominent and recognized internationally, with equipment and simulators.

Our projection is evidenced by the diversity of nationalities of our participants, with representatives from organizations in Mexico, Belize, Guatemala, Honduras, El Salvador, Nicaragua, Costa Rica, Panama, Cuba, Dominican Republic, Colombia, Bolivia, Ecuador, Peru, Paraguay, and Venezuela, among others.

Operational Safety

Operational Safety Management System - SMS

Expected Learning:

Since this is an introductory course, upon completion participants will be able to initiate the development and implementation of a Safety Management System according to the ICAO Standards and Recommended Practices (SARPS) corresponding to those contained in Annex 19, the ICAO Safety Management Manual (Doc. 9859. Rev. 03) and national regulations.

Target Population

- Representatives of Civil Aviation Authorities and the aviation industry with responsibilities related to the development and implementation of safety programs and the implementation and/or oversight of safety management systems.

Content:

- Introduction.
- Basic concepts of operational security.
- Introduction to safety management.
- Hazards.
- Risks.
- ICAO SARPs on SMS.
- Introduction to SMS.
- SMS Structure - I.
- SMS Structure - II.
- SMS implementation stages.

Duration:

40 hours

Mod:

Classroom

Virtual

Language:

Spanish

English

State Operational Safety Program – SSP

Expected Learning:

Upon completion of the course, the participant will be able to establish a State Safety Program (SSP) with acceptable levels of safety performance (ALoSP) related to operational safety

Target Population

- Officials from Civil Aviation Authorities with responsibilities related to the development and implementation of safety programs and/or oversight of Safety Management Systems (SMS).

Content:

- Introduction.
- Basic concepts of security management.
- ICAO SARPs related to security management.
- ICAO structure of the SSP.
- ALoSP related to an SSP.
- Prescription / Performance.
- SSP Training Program.
- SSP Implementation Plan.

Duration:

32 hours

Mod:

Classroom

Virtual

Language:

Spanish

English

Human Factors in Aviation and Human Resources Management – CRM

Expected Learning:

At the end of the course, the participants will be able to identify the characteristics of the incidence of human factors in aviation.

Target Population

- Personnel who work in the different operational positions of the dependencies of the Civil Aviation Authorities.

Content:

- Aviation management and CRM.
- Quality, the perfect strategy.
- Exposure to risk.
- Collaborative teams.
- The cost of human errors.
- Leadership and organization.
- Communication, the great challenge.
- Conflict resolution.
- Briefing & Debriefing.
- How to make smart decisions?
- Well-being of operational personnel.
- Time management

Duration:

40 hours

Mod:

Classroom

Virtual

Language:

Spanish

English

Aircraft Maintenance Reliability

Expected Learning:

At the end of the Course, the participants will be able to describe the development of reliability-based maintenance programs, the techniques for evaluating the maintenance program and the continuous monitoring of its effectiveness, as well as the evaluation and approval of these methods.

Target Population

- Airworthiness Inspectors and other professionals who are in a decision-making or implementation position within organizations linked to the aviation industry, such as: Civil Aviation Authorities, maintenance workshops, airlines, among others.

Content:

- Introduction and Generalities.
- Evolution of Maintenance Reliability Programs.
- Nature of the Failure.
- Development of the Maintenance Program.
- Implementation of the Reliability System.

Duration:

32 hours

Mod:

Classroom

Virtual

Language:

Spanish

English

Aircraft Corrosion and Aging

Expected Learning:

At the end of the course the participant will have the skills to: Apply technical knowledge to identify the causes of corrosion and the aging of aircraft, complying with the framework of technical instructions to strengthen the safety management

Target Population

- Airworthiness inspectors and engineering specialists.
- Aeronautical engineers in charge of compliance and surveillance of control programs of corrosion prevention (CPCP) and structural aging.
- Quality control inspectors and aeronautical technicians conducting inspections structural

Content:

- Generalities about aeronautical structures and materials.
- General concepts on corrosion and fatigue.
- Aircraft aging/ Regulations and methods.

Duration:

40 hours

Mod:

Classroom

Virtual

Language:

Spanish

English

Aircraft Compliance

Expected Learning:

Upon completion of the course, the participant will have the necessary knowledge and skills to apply inspection techniques in the certification and supervision processes of aircraft of commercial air transport, evaluating aircraft inspection processes and their documentation associated, in order to ensure conformity with its Type Certificate, as required in the applicable national, FAA, EASA and ICAO regulations.

Target Population

- Aimed at Airworthiness Inspectors and technicians who are in a position to take decisions or implementation within organizations linked to the aeronautical industry, such as Civil Aviation Authorities, maintenance workshops, airlines, among others.

Content:

- Introduction and Generalities.
- Certificates.
- Continuing Airworthiness.
- Aircraft Design, Equipment and Requirements.
- Aircraft Conformity Inspection.

Duration:

40 hours

Mod:

Classroom

Virtual

Language:

Spanish

English

Aircraft Alterations and Repairs

Expected Learning:

Upon completion of the course, the participant will have the necessary knowledge and skills to apply FAA, EASA and ICAO regulations and documentation associated with repairs and alterations within the aeronautical maintenance process, in compliance with what is required in the national regulations.

Target Population

- Airworthiness and engineering and technical specialists who are in the decision making position decisions or implementation within organizations linked to the aeronautical industry, such as Civil Aviation Authorities, maintenance workshops, airlines, among others.

Content:

- Introduction/ Aeronautical Products.
- Approved and Accepted Technical Data.
- Maintenance Tasks.
- Repairs and Major Alterations.

Duration:

40 hours

Mod:

Classroom

Language:

Spanish

English

Air Navigation

Introduction to Performance Based Navigation

Expected Learning:

At the end of the course, the participant will have all the conceptual base related to the implementation of PBN performance-based navigation and the impact of this application in the tasks of the air traffic controller.
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Target Population

- Air traffic Controllers - ATC.
- Traffic services Inspectors.
- Aircraft, Airspace Planners, Supervisors of the units of air traffic services.

Content:

- Introduction Air Navigation.
- Introduction to GNSS.
- Augmentation systems.
- GNSS navigation benefit.
- Area Navigation and PBN.
- SID, STAR and APCH.
- ATC considerations.
- PBN Implementation.

Duration:

64 hours

Mod:

Classroom

Language:

Spanish

English

On-the-job Training Instructor for Air Traffic Control (OJTI for ATC)

Expected Learning:

Upon completion of the course, participants will be able to plan and conduct effective on-the-job training sessions for new ATC personnel.

Target Population

- Air Traffic Controllers who will be designated to conduct on-the-job training processes for ATC personnel.

Content:

- Context of On-the-Job Practical Training / OJT.
- OJT Session Planning.
- Delivery of IPPT Sessions .
- Evaluating Trainee Performance.

Duration:

64 hours

Mod:

Classroom

Language:

Spanish

English

International Air Law

Introduction to Air Law

Expected Learning:

At the end of the course the participant will be able to describe the essential legal foundations that allow understanding the nature of air law, as well as to give the precise normative value to each of the legislations applicable to their professional environment.

Target Population

- Lawyers and other professionals interested in expanding their knowledge in the field of Aeronautical Law.
- High-ranking officials and Legal Departments of Civil Aviation Authorities (CAAs).
- Officials from Ministries of Foreign Affairs and other entities involved in the negotiation of Bilateral Agreements. Legal,
- Operations, and Commercial Departments of Airlines, Airports, and Aircraft Maintenance Organizations.

Content:

- Concepts and Characteristics of Air Law.
- Air Law and International Organizations.
- Civil Aviation Subsystems and Air Law.
- Licenses for Technical Personnel in Aviation.
- Introduction to Industry Rates and Costs.

Duration:

40 hours

Mod:

Classroom

Virtual

Language:

Spanish

English

Air Transport Law

Expected Learning:

Upon completion of the course, participants will be able to describe the basic elements of international Air Law, identifying the principles that govern aviation activities and applying them to local legislation.

Target Population

- Legal Departments of Civil Aviation Authorities (CAAs).
- Legal Managers of Operations and Commercial Departments in Airlines, Airports, and Aircraft Maintenance Organizations.
- Lawyers and other professionals interested in expanding their knowledge in the field of Aeronautical Law.
- Officials from Ministries of Foreign Affairs and other entities involved in the negotiation of Bilateral Agreements.

Content:

- Legal framework of aircraft.
- Air transport contracts.
- Aero commercial policies.
- Rights, obligations, and responsibilities of air transport.

Duration:

40 hours

Mod:

Classroom

Virtual

Language:

Spanish

English

Airport Law

Expected Learning:

Upon completion of the course, participants will be able to explain the general theory of international airport law by analyzing the service, evolution, and legal relationship, identifying the principles that govern aviation activities in order to apply them to local legislation.

Target Population

- Lawyers and other professionals interested in expanding their knowledge in the field of Aeronautical Law.
- Senior officials and Legal Departments of Civil Aviation Authorities (CAAs).
- Officials from Ministries of Foreign Affairs and other entities involved in the negotiation of Bilateral Agreements.
- Legal, Operations, and Commercial Departments of Airlines, Airports, and Aircraft Maintenance Organizations.

Content:

- Aeronautical infrastructure.
- Airport law.
- Insurance.
- Economic and financial aspects.
- Responsibilities not specifically legislated arising from aeronautical activities.

Duration:

40 hours

Mod:

Classroom

Virtual

Language:

Spanish

English

Administrative and Criminal Regime of Aeronautical Law

Expected Learning:

By the end of the course, participants will be able to explain, from a general and systematic perspective, the process of Aeronautical Administration and the Administrative and Legal Regime of Air Navigation and its Infrastructure, in order to apply the acquired knowledge to local legislation.

Target Population

- Lawyers and other professionals interested in expanding their knowledge in the field of Aeronautical Law.
- Senior officials and Legal Departments of Civil Aviation Authorities (CAAs).
- Officials from Ministries of Foreign Affairs and other entities involved in the negotiation of Bilateral Agreements.
- Legal, Operations, and Commercial Departments of Airlines, Airports, and Aircraft Maintenance Organizations.

Content:

- Operator Perspective in Aeronautical Law.
- Approach in Air Law.
- Aeronautical Search and Rescue.
- Civil Aviation Security and Operational Safety.
- Offenses and Failures in Air Law.

Duration:

40 hours

Mod:

Classroom

Virtual

Language:

Spanish

English

For more information you can contact us or visit us at:

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