



# TRAINING

# 2020 CATALOGUE

PROVIDING A FULL SPECTRUM OF TRAINING SOLUTIONS

Assessments | Design and Development | Training Needs Analysis Courses | Members & Partners | Training Services

Please note that the contents of this course catalogue is comprised of training packages validated as of 5 November 2019.

This catalogue will be updated on an bi-annual basis.

For up-to-date information, please visit the ICAO Global Aviation Training website at www.icao.int/training.

# TABLE OF CONTENTS

Global Aviation Training Activities	4
TRAINAIR PLUS Programme (TPP) Membership	5
Global Presence	6-7
ICAO Courses Search Mechansim	8
ICAO Training Portfolio	9
Partnerships	10-11
Tools & Methodologies	12-13
ICAO Online Courses	14
Future of ICAO Training	15
ICAO-recognized Courses	16
Aerodromes	17-22
Air Navigation Services	23-30
Air Transport	31-32
Aviation law	33-34
Aviation Management	35-36
Environment	37-38
Flight Safety and Safety Management	39-48
Security and Facilitation	49-54
Training Competency Development	55-58

# GLOBAL AVIATION TRAINING ACTIVITIES

ICAO Global Aviation Training, under the Technical Cooperation Bureau, undertakes the following activities:



## **Training Assessments**

- Conduct of assessments of training organizations in line with International Civil Aviation Organization (ICAO) guidance material to
- help enhance, streamline and modernize their training operations.
  - Provision of support services in training.



## Training Design and Development

- Design and production of ICAO courses.
- Validation of ICAO-recognized training packages.
- Qualification of Course Developers, Course Instructors, Subject Matter Experts, and Course Validators.



## TRAINAIR PLUS Programme (TPP)

- Establishment of a network of ICAO-recognized training centres, international organizations, and academic institutions delivering ICAO training.
- Implemention of a standardized methodology to develop competency-based courses, share over 200+ courses listed in a comprehensive catalogue, and deliver ICAO training.
- Developing and sharing over 200+ courses.

## **Training Services**

Provision of the following Capacity Building Services:

- Training Needs Analysis
- Training and Procedures Manual (TPM)
- Training Quality System (QS)
- Post Training Evaluation
- Establishment of a Training Organization



# TRAINAIR PLUS<sup>™</sup> **PROGRAMME MEMBERSHIP**

The TRAINAIR PLUS Programme (TPP), ICAO's network of training organizations and industry partners, encompasses aviation training in all ICAO's Strategic Objectives with the goal of improving the safety and efficiency of air transport. The TPP is open to all training organizations and operators, provided they are recognized or approved by their respective governments. The network consists of the following four categories of membership:

#### Associate **Members**

courses

#### **Full Members**

- ICAO recognition
- ICAO recognition - Host the delivery of
  - ICAO-recognized
- Develop a Standardized Training Package (STP) - Host the delivery of
  - ICAO-recognized courses

#### **Regional Training** Centres of Excellence

- ICAO recognition
- Develop an ICAO Training Package (ITP)
- Host the delivery of ICAO-recognized courses
- Regional training implementation

### Partners

- ICAO recognition
- Develop Partnership **Training Package** (PTP)
- Delivery of PTP

## Benefits of the Programme

- Obtain ICAO recognition aligned with its requirements.
- Exclusive access to a virtual library and sharing platform of ICAO-recognized trainings.
- Develop and/or host ICAO-recognized trainings.
- Expand your outreach to attract trainees internationally.

## Who can join the Programme?

- Training arms of Civil Aviation Authorities (CAAs), airlines, airports, and maintenance organizations.
- Private training organizations.
- Training centres, international organizations and universities involved in any specialized aviation-related training to support the implementation of ICAO Standards and Recommended Practices (SARPs).

# GLOBAL PRESENCE OF THE TRAINAIR PLUS<sup>™</sup> Programme

A network of over 100 training organizations, academic institutions, and other international organizations delivering ICAO training.

# **100** MEMBERS & PARTNERS

ICAO's TRAINAIR PLUS Programme promotes training collaboration and standardization for the purpose of providing safe, secure, and sustainable development of global air transport.

TRAINAIR PLUS Members are part of a worldwid network that develop and exchange high-quality standardized aviation training materials for the benefit of all members.

# MEMBERSHIP BENEFITS



ICAO RECOGNITION



COLLABORATION





## QUALIFICATION OF TRAINING PROFESSIONALS



## ACCESS TO A VIRTUAL LIBRARY OF 200+ COURSES

# ICAO COURSES SEARCH MECHANISM

The ICAO courses search mechanism comprises over 200 training packages in nine subject areas, including Aerodromes, Air Navigation Services, Air Transport, Aviation Law, Environment, Flight Safety and Safety Management, Security and Facilitation, Training Competency Development and Aviation Management.

ICAO courses are available in classroom, online or blended format. Course deliveries can take place in the premises of ICAO Headquarters or Regional Offices, TRAINAIR PLUS Members, or other facilities.

CAO GLOBAL AVIATION TRAINING

10 On

200 +

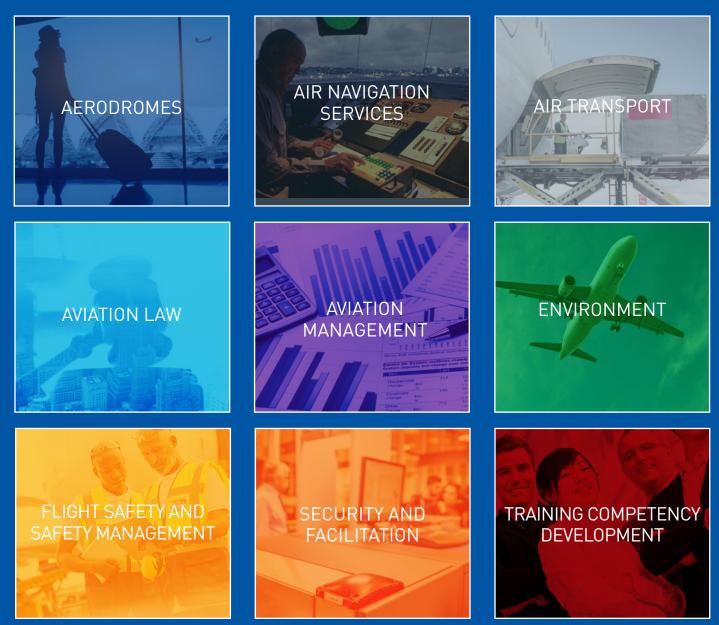
fingertips

courses at your

### Search for courses in 4 easy steps:

- 1- FILTER multiple training criteria
- 2- Fast & easy SEARCH by Training area, language, delivery type, regions and keywords.
- 3- FIND scheduled training sessions worldwide
- 4- REGISTER online!

# ICAO COURSES ARE AVAILABLE UNDER THE FOLLOWING NINE SUBJECT AREAS:



Browse the ICAO Training search mechanism available on ICAO's Global Aviation Training website at www.icao.int/training.

# PARTNERSHIPS

ICAO is pursuing training partnerships with the aim of establishing agreements in all regions in order to enhance the competencies and skills of current and future aviation professionals. To this end, the ICAO Global Aviation Training Office (GAT) is actively working with international organizations, academic institutions (universities), and the aviation industry to develop and deliver joint aviation training programmes under the auspices of the TRAINAIR PLUS Programme (TPP).

As per the TRAINAIR PLUS Operations Manual (TPOM) (Doc 10052), upon joining TPP as a Corporate Partner, an institution can develop and deliver a Partnership Training Package (PTP) to respond to national, regional and global training needs, as well as support the implementation of ICAO SARPs and aviation global plans.



# INTERNATION ORGANIZATIONS

In order to expand global outreach of ICAO training, ICAO has partnered with relevant aviation International / National Organizations around the world to develop and deliver training.













# ACADEMIC INSTITUTIONS

This Partnership category is specifically addressed to academic institutions, such as Universities which provide aviation programmes and other academic institutions that wish to develop and deliver aviation-related training programmes or certificates jointly with ICAO.



JOHN T MOLSON School of business

Executive Centre











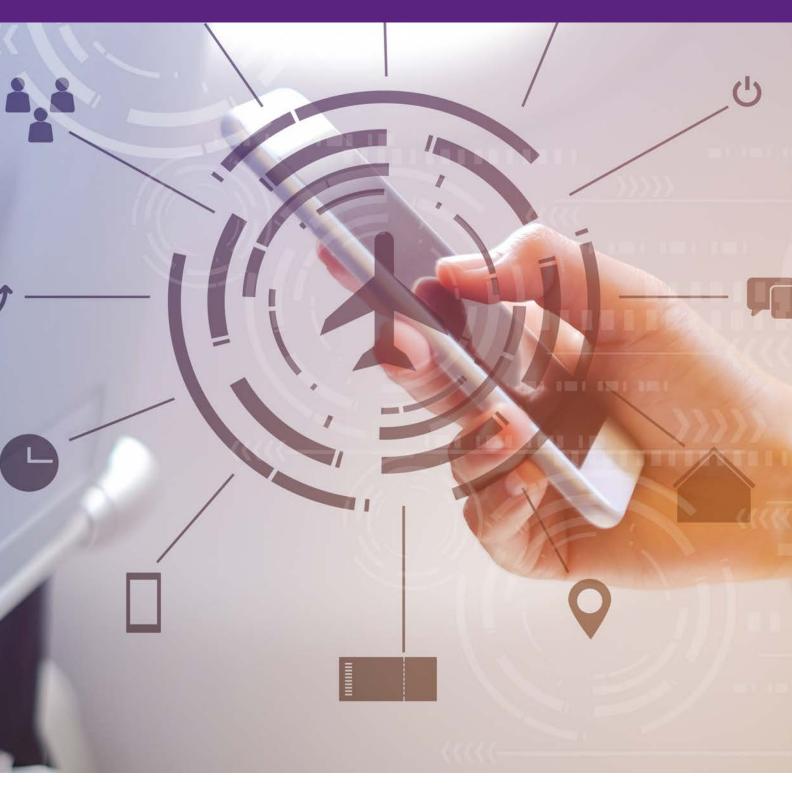


# SCHOLARSHIPS

To provide greater access to training, GAT established a scholarship allocation procedure for ICAO Training Packages to support States in the implementation of SARPs.

These scholarships cover course tuition fees and are provided to eligible trainees originating from States who are endeavouring to either meet or maintain their Effective Implementation (EI) rates in the context of capacity-building efforts within *No Country Left Behind* (NCLB) initiative.

# TOOLS & METHODOLOGIES SUPPORTING AVIATION TRAINING



ICAO Training products and services are the foundation to evolve training, pointing the way to the integration of new training technologies and techniques. The following tools and methodologies are offered to TRAINAIR PLUS Members in order to enhance their training and improve service delivery.

#### Training Development Guide (TDG)

ICAO's *Training Development Guide* (Doc 9941) details the competency-based training methodology to be used to achieve the systematic preparation of TRAINAIR PLUS Standardized Training Packages (STPs). Doc 9941 also serves as the handbook for standardizing all training course development activities within the TPP.

#### TRAINAIR PLUS Electronic Management System (TPEMS)

TPEMS is an effective, user-friendly and continuously available web-based suite of applications for membership application process, development of ICAO recognized training packages, hosting of ICAO courses, course library and exchange, production of certificates, rosters of qualified experts, trainee questionnaires and online registrations.

#### Training Needs Analysis (TNA)

The TNA tool provides aviation organizations working with ICAO with support in identifying and addressing human performance improvement needs through training and development.

#### Post-training Evaluation (PTE)

The PTE tool allows to quantify and qualify the impact of the training delivered on the job performance in order to continuously improve courses and intructional processes.

#### Learning Management System (LMS)

To better support the evolution of online courses, a robust LMS is available to host and manage online course development and deployment. This will help ICAO reach a wider target audience by engaging trainees who have limited access to classroom training.

## Training in figures

Since it's launched in 2010, the TRAINAIR PLUS Programme has delivered more than:

1650 courses to over 20000 trainees in 100+ States

#### Aviation Training Intelligence (ATI)

The management of ATI works as a cycle where the collection of safety, security, and air transport data is used for training needs analysis. GAT will continue to build and implement these components and train training centre managers to optimize ATI for their organizations.

# ICAO ONLINE COURSES IN A NEW LMS

## Learning takes place anytime and anywhere.

ICAO's new Cloud-powered Learning Management System (LMS) will support evolving learner needs, boost new learning experiences, and promote continuous learning. As an engine, it will facilitate the delivery and evaluation of ICAO online courses. The new LMS will serve as a fundamental component to enhance and transform interactive learning experiences, and provide exciting, engaging opportunities to learn using mobile learning and gamification.

For more information, please visit <u>www.icao.int/training</u>.

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Course Navigation

# ENGAGING EXCITING INTERACTIVE

# FUTURE OF ICAO TRAINING

The increasing pace of innovation throughout the aviation industry, and the great potential it holds, has a direct impact on training activities worldwide. The long-term plan for ICAO training will be to explore innovations that are modifying the way we develop and deliver training, and to move beyond conventional classroom training, integrate new strategies, new technologies, and develop an "innovation mindset".

ICAO will prioritize its efforts on the implementation of innovative tools and methodologies, in order to assist Member States in making informed training management decisions, improving training plans, and developing competency-based programmes to meet short- and long-term performance needs.

ICAO will also focus on expanding learner-centered pedagogies, incorporating the latest innovations to make ICAO training more accessible globally.



## PARTAKE IN THE DEVELOPMENT OF ICAO COURSES

**Members of the TRAINAIR PLUS Programme obtain expertise and technical support to develop and deliver training packages** produced in accordance with a competency-based methodology, based on the ICAO *Training Development Guide, Competency-based Methodology* (Doc 9941), or an equivalent Instructional Systems Design (ISD) methodology. Each training package contains necessary instructional materials for trainees and instructors. Members can develop the following training packages:

#### ICAO Training Package (ITP)

An ITP is a training package produced by ICAO or a Regional Training Centre of Excellence (RTCE), in accordance with the ICAO *Training Development Guide, Competency-based Methodology* (Doc 9941) or an equivalent ISD methodology.

#### **Compliant Training Package (CTP)**

A CTP is a training package that complies with ICAO Standards and Recommended Practices (SARPs) and guidance material. It is presented as a fully documented and tested comprehensive package of training material that reflects:

- the current technological and operational requirements specific to a particular training topic;
- ICAO SARPs, Annexes and guidance material; and
- ICAO training objectives, complements existing ICAO training, and makes a significant contribution to aviation capacity building.

#### Partner Training Package (PTP)

A PTP is training material produced in partnership between ICAO and the training arm of a Corporate Member, industry partner, or educational institution, in accordance with the ICAO *Training Development Guide, Competency-based Methodology* (Doc 9941).

PTPs are presented as fully documented and tested comprehensive packages of training material that comply with ICAO SARPs and policies, help achieve ICAO training objectives, complement existing ICAO training, and make a significant contribution to aviation capacity building.

#### Standard Training Package (STP)

An STP is a competency-based training package produced in accordance with the ICAO *Training Development Guide, Competency-based Methodology* (Doc 9941). It is self-contained, material-dependent, and validated by the TRAINAIR PLUS Programme. The package includes instructor material, trainee material, as well as relevant documents on how the course was developed.

#### Why do training centres develop training packages?

Developing STPs, ITPs, CTPs or PTPs will allow training centres to:

- benefit from the recognition by ICAO as having implemented a competency-based training approach to course development;
- contribute and exchange training packages with other TPP Members, thereby considerably reducing their course fees; and
- generate revenues from the sharing of their training packages.

# AERODROMES





## APRON MARKINGS MANAGEMENT

Delivery Classroom

Classroom	Language English	Duration 3 days	TRAINAIR
This course provides the knowledge,skills and at management is conducte Annex 14, Volume 1 and I	titudes to ensure that d effectively and efficiently	the apron markings , according to the ICAO	Concession and the second seco
Part 4.			Apron Markings Management HPRINGAIAMMOTE
Capital Airports Managen	nent Academy		

## **AERODROME SAFETY MANAGEMENT INCORPORATING PANS-AERODROMES**

Language English **Duration** 5 days **Delivery** Classroom **Course Description** This course will provide safety management systems (SMS) safety managers with necessary knowledge, skills and attitude to implement and maintain an effective safety management system at an aerodrome, in accordance with ICAO Procedures for Air Navigation Services (PANS) - Aerodromes (Doc 9981) as stipulated in ICAO Annex 14 — Aerodromes, Volume 1 and in ICAO Annex 19 — Safety Management.



RTCE ITP ITP/R/AGA/SMS/004E

## ICAO-ACI AERODROME CERTIFICATION

PTP PTP/005E

#### Delivery Classroom **Course Description**

practically apply and maintain the aerodrome certificate.

Incheon Airport Aviation Academy (IAAA)

Language English

**Duration** 5 days

ICAC Many international airports are yet to be fully certified and many that are certified are unable to apply the Standards and Recommended Practices (SARPs) as laid out in ICAO Annex 14 — Aerodromes and the Manual on Certification of Aerodromes (Doc 9774). The objective of this course is to provide airport operators with the knowledge and skills required to Aerodrome Certification

Developed by Airports Council International (ACI) & International Civil Aviation Organization (ICAO)

For more information and registration, visit www.icao.int/training. TRAINAIR PLUS Members can purchase Training Packages through the TRAINAIR PLUS Electronic Management System (TPEMS). If you are not a TRAINAIR PLUS Member, please send your enquiries to aviationtraining@icao.int.

#### Developed by Capital Airports Management

Developed by

**Course Description** 

## ICAO-ACI AIRPORT USER CHARGES

#### **.**... Delivery **Course Description**

Classroom

#### Language English

This training course is based on the application of ICAO's policies on user charges. The course uses a blended learning approach combining an e-learning component followed by a workshop component. This course, which is jointly delivered by Airports Council International (ACI) and ICAO, reviews the main recommendations adopted by the Conference on the Economics of Airports and Air Navigation Services (CEANS), held in Montreal in September 2008; the ninth edition of ICAO's Policies on Charges for Airports and Air Navigation Services (Doc 9082), which was published in 2012; and the third edition of the Airport Economics Manual (Doc 9562), which was published in 2013.



Developed by Airports Council International (ACI) & International Civil Aviation Organization (ICAO)

## **ICAO-ACI IMPLEMENTING ANNEX 14:** ADVANCED AERODROME DESIGN AND OPERATIONS

PTP PTP/AGA/AADO/007E

	Delivery	Classroom	Language English	Duration 5 days
Course D	escription	The goal of the course is implementation of the IC compliance. This class existing locations through implementation activities of ICAO documentation such for the ACI-ICAO Aerodrom	AO Annex 14 in their ac oom course will provi nout the world to enable of Annex 14 . The course wi as PANS Aerodrome and	erodromes to achieve de case studies on e trainees to practice Il make use of relevant

**Developed by** Airports Council International (ACI) & International Civil Aviation Organization (ICAO)

## ICAO-ACI GLOBAL REPORTING FORMAT (GRF) - ONLINE COURSE

**Deliverv** Online

Duratior	a 3 hours

**Duration** 5 days

**Course Description** The Global Reporting Format (GRF) online course has been developed by ACI and ICAO to assist airport personnel to meet the new ICAO requirements for runway surface condition assessment and reporting that come into effect in November 2020, as outlined in ICAO Circular 329, Assessment, Measurement and Reporting of Runway Surface Conditions, and ICAO Doc 10064, Aeroplane Performance Manual (APM).

Developed by Airports Council International (ACI) & International Civil Aviation Organization (ICAO)

For more information and registration, visit www.icao.int/training. TRAINAIR PLUS Members can purchase Training Packages through the TRAINAIR PLUS Electronic Management System (TPEMS). If you are not a TRAINAIR PLUS Member, please send your enquiries to aviationtraining@icao.int.

Language English

PTP PTP/AGA/GRF/008E





Course Name	Delivery	Language	Duration	Developed by	Country
Aerodrome Emergency Handling Course	Classroom	English	5 days	Civil Aviation Academy of Nepal (CAAN)	Nepal
Aerodrome Firefighters Breathing Apparatus Wearer	Classroom	English	10 days	Dublin International Aviation Training Academy (DIATA)	Ireland
Aerodrome Inspection	Classroom	English	5 days	Incheon Airport Aviation Academy (IAAA)	Republic of Korea
Aircraft Fire Fighting and Rescue Operation	Classroom	Chinese	3 days	Capital Airports Management Academy	China
Aircraft Ground De-icing and Anti-icing Operations Course	Classroom	Chinese	3 days	Capital Airports Management Academy	China
Aircraft Marshalling	Classroom	English	5 days	Sudan Academy For Aviation Sciences and Technology (SUDAFAST)	Sudan
Airfield Pavement Markings	Classroom	English	5 days	Indian Aviation Academy	India
Airfield Signs	Classroom	English	3 days	Indian Aviation Academy	India
Airport Baggage Handling System(BHS) & Hold Baggage Screening(HBS) Design and Management	Classroom	English	5 days	Incheon Airport Aviation Academy (IAAA)	Republic of Korea
Airport BHS Operation and Maintenance Supervisor	Classroom	Chinese	5 days	Capital Airports Management Academy	China
Airport Commercial Planning	Classroom	English	5 days	Civil Aviation Training Centre of Korea Airports Corporation (KAC)	Republic of Korea
Airport Customer Service Quality Management	Classroom	English	4 days	Incheon Airport Aviation Academy (IAAA)	Republic of Korea
Airport Emergency Procedures	Classroom	English	5 days	Nigerian College of Aviation Technology (NCAT)	Nigeria
Airport Employee Entry Qualification Management	Classroom	Chinese	5 days	Capital Airports Management Academy	China
Airport Information Service Management	Classroom	Chinese	5 days	Capital Airports Management Academy	China
Airport Operation & Coordination-Assistant Duty Manager	Classroom	Chinese	5 days	Capital Airports Management Academy	China
Airport Passenger Boarding Bridge (PBB) Operations	Classroom	English	3 days	Incheon Airport Aviation Academy (IAAA)	Republic of Korea
Airport Pavement Evaluation	Classroom	English	5 days	Civil Aviation Training Centre of Korea Airports Corporation (KAC)	Republic of Korea
Airport Runway Snow Removing Operations Management	Classroom	Chinese	5 days	Capital Airports Management Academy	China
Airside Driving	Classroom	English	5 days	Gulf Center for Aviation Studies (GCAS)	United Arab Emirates
Atención al Usuario Aeroportuario	Classroom	Spanish	5 days	Escuela Técnica de Aviación Civil (ETAC)	Ecuador
Automatic Fire Detection System (AFDS) Equipment Maintenance Course	Classroom	English	10 days	Civil Aviation Training Institute (CATI)	Pakistan

Course Name	Delivery	Language	Duration	Developed by	Country
Basic Airside Operations	Classroom	English	5 days	Gulf Center for Aviation Studies (GCAS)	United Arab Emirates
Breathing Apparatus Command and Control Operations	Classroom	English	3 days	Singapore Aviation Academy	Singapore
Building Fire Emergencies- First Responder	Classroom	English	3 days	GMR Aviation Academy	India
Conducting Apron Regulatory Safety Inspections	Classroom	English	5 days	Saudi Academy of Civil Aviation (SACA)	Saudi Arabia
Coordinación de las operaciones aeroportuarias	Classroom	Spanish	5 days	Centro Internacional de Instruccion de Aeropuertos y Servicios Auxiliares (CIIASA) - Ingeniero Roberto Kobeh González	Mexico
Coordinación y supervisión del proceso de manejo de combustibles de aviación	Classroom	Spanish	5 days	Centro Internacional de Instruccion de Aeropuertos y Servicios Auxiliares (CIIASA) - Ingeniero Roberto Kobeh González	Mexico
Curso de operador de vehículos ARFF	Classroom	Spanish	5 days	Centro de Instrucción, Perfeccionamiento y Experimentación (CIPE)	Argentina
Curso Práctico de Fuego Vivo para Bomberos Aeronáuticos	Classroom	Spanish	2 days	Instituto Centroamericano de Capacitación Aeronáutica (ICCAE) de COCESNA	El Salvador
Curso Regulaciones de Aeródromo	Classroom	Spanish	5 days	Centro de Adiestramiento de la Aviación (CAA)	Cuba
Départ au Casque	Classroom	French	5 days	CAMAS International	France
Disabled Aircraft Recovery Procedures	Classroom	English	5 days	GMR Aviation Academy	India
Elementary Fire Fighting	Classroom	English	5 days	Ethiopian Civil Aviation Training Centre (ECATC)	Ethiopia
Emergency Tabletop Exercises Management	Classroom	English	5 days	The ASI Institute, A Division of Aviation Strategies International	Canada
Entrenamiento Recurrente en condiciones de fuego vivo y a presión a bomberos aeronáuticos	Classroom	Spanish	3 days	Instituto Centroamericano de Capacitación Aeronáutica (ICCAE) de COCESNA	El Salvador
Establishing Airport Operation Coordinative Platform	Classroom	Chinese	5 days	Capital Airports Management Academy	China
Establishment of an Aerodrome Manual	Online	English	35 hours (4 weeks)	The ASI Institute, A Division of Aviation Strategies International	Canada
Feux Généralisés d'avion	Classroom	French	5 days	Ecole Régionale de Sécurité Incendie (ERSI)	Cameroon
Fire Control Room Management Course	Classroom	English	5 days	Fire Service Training Centre	India
Foam Tender Operation and Defensive Driving	Classroom	English	5 days	Center for Human Resources Development on Civil Aviation	Indonesia

Course Name	Delivery	Language	Duration	Developed by	Country
Infrastructure and Facilities for Passengers with Reduced Mobility (PRM)	Classroom	English	5 days	Indian Aviation Academy	India
Locating a Ground Fault in an Airfield Lighting Series Circuit	Classroom	English	5 days	Aeronautical Safety College (ASC)	Japan
Lutte contre les feux mineurs d'avion	Classroom	French	10 days	Ecole Régionale de Sécurité Incendie (ERSI)	Cameroon
Maîtrise des processus de certification des aérodromes, partie 1: Revue documentaire	Classroom	French	5 days	Academie Internationale Mohamed VI de l'Aviation Civile (AIAC)	Morocco
Manejo de Combustibles de Aviación	Classroom	Spanish	5 days	Centro Internacional de Instruccion de Aeropuertos y Servicios Auxiliares (CIIASA) - Ingeniero Roberto Kobeh González	Mexico
Mantenimiento Electromecánico y de Ayudas Visuales en la Certificación de Aeródromos	Classroom	Spanish	5 days	Centro Internacional de Instruccion de Aeropuertos y Servicios Auxiliares (CIIASA) - Ingeniero Roberto Kobeh González	Mexico
On Scene Command during Airport Aircraft Accident	Classroom	English	5 days	Airports of Mauritius Co Ltd. Aviation Training Centre	Mauritius
Operaciones y Servicios Aeroportuarios y Complementarios en la Certificación de Aeródromos	Classroom	Spanish	5 days	Centro Internacional de Instruccion de Aeropuertos y Servicios Auxiliares (CIIASA) - Ingeniero Roberto Kobeh González	Mexico
Operation of Airport Rescue & Firefighting Vehicle- Rosenbauer Panther	Classroom	English	10 days	Airports Authority Rescue and Fire Fighting Services Training Centre	India
Passenger Boarding Bridges (PBB) Maintenance Course	Online & Classroom	English	10 days	Civil Aviation Training Institute (CATI)	Pakistan
Passenger way-finding signage	Classroom	English	5 days	Indian Aviation Academy	India
Principes de Lutte contre l'Incendie d'Aéronef	Classroom	French	5 days	Centre Français de Formation des Pompiers d'Aéroport (C2FPA)	France
Runway Incursion Prevention	Classroom	English	36 hours	Federal Aviation Administration (FAA) Academy	United States
Runway Rubber Removal	Classroom	English	5 days	Indian Aviation Academy	India
Smart Airport- Establishing Airport IT Strategic Planning Platform	Classroom	Chinese	2 days	Capital Airports Management Academy	China
Supervising Airport Teams To Deliver Great Customer Service	Classroom	English	5 days	Gulf Center for Aviation Studies (GCAS)	United Arab Emirates
Supervisión de los Servicios en Plataforma y Área de Movimiento a Tráfico Civil	Classroom	Spanish	5 days	Escuela Técnica de Aviación Civil (ETAC)	Ecuador

# AIR NAVIGATION SERVICES

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### PERFORMANCE-BASED NAVIGATION (PBN) AIRSPACE DESIGN

**AIR NAVIGATION SERVICES** 

### **Delivery** Online

**Course Description** The PBN concept represents a shift from sensor-based to performance-based navigation. PBN routes and procedures are designed to meet a navigation specification, which is defined in terms of accuracy, integrity, availability, continuity, and functionality for the proposed operations in the context of a particular airspace. Personnel involved in airspace design need to understand the PBN concept and how it can be used to improve an existing airspace structure.

Language English



**Duration** 2–4 hrs

**Duration** 2–4 hrs

**Developed by** International Civil Aviation Organization (ICAO)

### PERFORMANCE-BASED NAVIGATION (PBN) OPERATIONS APPROVAL

 Delivery
 Online
 Language English
 Duration 2-4 hrs

 Course Description
 The Performance-based Navigation (PBN) concept represents a shift from sensor-based to performance-based navigation. PBN routes and procedures are designed to meet air navigation specifications, which is defined in terms of accuracy, integrity, availability, continuity, and functionality for the proposed operations in the context of a particular airspace. Commercial air transport operators need to have an operational approval to fly PBN routes and procedures.



ITP/ANS/PBN 0PS/021E

ITP

Developed by |

Delivery

Online

International Civil Aviation Organization (ICAO)

### PERFORMANCE-BASED NAVIGATION (PBN) OVERVIEW

ITP ITP/ANS/PBN OVERVIEW/020E

> Performance-based Navigation (PBN) Overview

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Course Description

This course provides a high-level overview of the Performance-Based Navigation (PBN) concept and principles. PBN represents a shift from sensor-based to performance-based navigation. PBN routes and procedures are designed to meet a navigation specification, which is defined in terms of accuracy, integrity, availability, continuity and functionality for the proposed operations in the context of a particular airspace.

Language English

Because PBN implementation impacts all areas (aircraft operations, regulatory approvals and authorizations, training, instrument flight procedure design, aircraft separation, etc.), understanding the PBN concept and principles becomes essential for all aviation stakeholders. Therefore, this course is the necessary prerequisite to understand PBN and for further PBN training.

#### **Developed by** International Civil Aviation Organization (ICAO)

## PERFORMANCE-BASED NAVIGATION (PBN) FOR AIR TRAFFIC CONTROLLERS

**Delivery** Online

**Course Description** 

ITP ITP/ANS/PBN ATC/023E

**Duration** 2–4 hrs





airspace requirements.

#### PERFORMANCE-BASED NAVIGATION (PBN) ITP ITP/ANS/PBN PILOTS/024E FOR PILOTS GLOBAL AVIATION TRAI × **Delivery** Online Language English **Duration** 2–4 hrs This course provides an overview of the Performance-Based Navigation **Course Description** (PBN) concept and principles, and provides pilots with guidance on procedures for PBN operations. Performance-based Navigation (PBN) for Pilots **Developed by** International Civil Aviation Organization (ICAO)

Language English

As the number of PBN procedures increase, changes are required to ATCO training to ensure that the air traffic controllers are aware of the new PBN concept and the on-board Area Navigation (RNAV) or Required navigation performance (RNP) system capabilities, in order to determine whether

the performance of the RNAV or RNP system is appropriate for the specific

## ATM INCIDENT INVESTIGATION TECHNIQUES

RTCE ITP ITP/R/ANS/ATMII/005E

DeliveryClassroomLanguageEnglishDuration5 daysCourse DescriptionThis course will provide participants with the necessary knowledge, skills and<br/>attitude to participate in and support formal ATS occurrence and Safety Management<br/>Systems (SMS) investigations in an ATC workplace environment, specifically for<br/>investigating ATM incidents, in accordance with Annex 13 — Aircraft Accident and<br/>Incident Investigation, Air Traffic Services Planning Manual (Doc 9426) and Manual of<br/>Aircraft Accident and Incident Investigation (Doc 9756).

ACI/IPAD

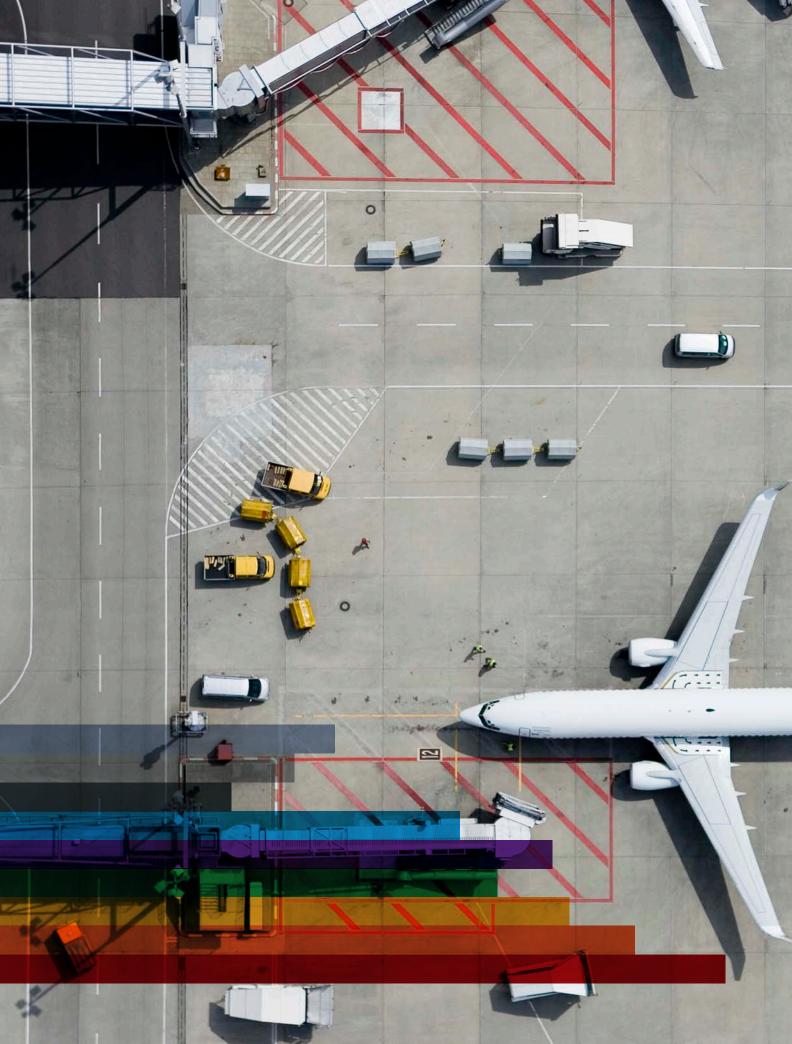
Developed by GAL ANS Training Centre

Course Name	Delivery	Language	Duration	Developed by	Country
Advanced Test and Measuring Techniques for ATSEP	Classroom	English	10 days	Civil Aviation Training Centre	Sri Lanka
Aerodrome CNS Engineering Course	Classroom	English	5 days	Incheon Airport Aviation Academy (IAAA)	Republic of Korea
Aerodrome Control Initial Training	Classroom	English	40 days	Queen Noor Civil Aviation Technical College (QNCATC)	Jordan
Aerodrome Controller Refresher	Classroom	English	10 days	Center for Human Resources Development on Civil Aviation	Indonesia
Aeronautical Information Management (AIM) Specialist	Classroom	English	10 days	Training Center of the Mongolia Civil Aviation Authority	Mongolia
Aeronautical Information Officer Initial Training	Classroom	English	20 days	Civil Aviation Authority Training Institute (CAATI)	Jamaica
Aeronautical Internet Protocol Network (AIPN) Maintenance	Classroom	English	5 days	Aeronautical Safety College (ASC)	Japan
Aeronautical Search and Rescue Operations	Classroom	English	15 days	Singapore Aviation Academy	Singapore
Air Navigation Aids Technicians ATC Procedures Basic Indoctrination	Classroom	English	5 days	Civil Aviation Authority Training Institute (CAATI)	Jamaica
Air Navigation Services AIS Inspector	Classroom	English	5 days	East African School of Aviation (EASA)	Kenya
Air Navigation Services ATM Inspector	Classroom	English	5 days	East African School of Aviation (EASA)	Kenya
Air Navigation Services CNS Inspector	Classroom	English	5 days	East African School of Aviation (EASA)	Kenya
Air Navigation Services MET Inspector	Classroom	English	5 days	East African School of Aviation (EASA)	Kenya
Air Traffic Services Supervisor	Classroom	English	5 days	GAL ANS Training Centre	United Arab Emirates
Aircraft Emergencies for Aerodrome Controller Refresher Course	Classroom	English	10 days	Saudi Academy of Civil Aviation (SACA)	Saudi Arabia
AIS/MAP Publications Specialist	Classroom	English	10 days	Civil Aviation Training Centre	Sri Lanka
Application of Integrated Database within Design of Flight Procedures and Charts	Classroom	Russian	5 days	Republican State-owned Enterprise "Kazaeronavigatsia"	Kazakhstan
Approach Control Procedural Basic	Classroom	English	15 days	Aeronautical Safety College (ASC)	Japan
Approach Control Procedural Refresher	Classroom	English		Tanzania Civil Aviation Training Centre - Tanzania	United Republic of Tanzania
Approach Control Surveillance Refresher Course	Classroom	English	10 days	Saudi Academy of Civil Aviation (SACA)	Saudi Arabia
Area Surveillance Control	Classroom	English	30 days	Queen Noor Civil Aviation Technical College (QNCATC)	Jordan
ATC Facility Chief	Classroom	English	5 days	GAL ANS Training Centre	United Arab Emirates

Course Name	Delivery	Language	Duration	Developed by	Country
ATC Simulator/OJT instructor course	Classroom	Russian	10 days	Republican State- owned Enterprise "Kazaeronavigatsia"	Kazakhstan
ATC Team Resource Management (TRM) And Safety	Classroom	English	5 days	The Barbados Civil Aviation Training Centre (BCATC)	Barbados
ATM/CNS Computer Networking	Classroom	English	10 days	Air Traffic and Navigation Services (ATNS) - Aviation Training Academy	South Africa
ATSEP - Airport Power Systems and Facilities Maintenance	Classroom	English	10 days	Nigerian College of Aviation Technology (NCAT)	Nigeria
ATSEP - Communication Equipment Maintenance	Classroom	English	10 days	Nigerian College of Aviation Technology (NCAT)	Nigeria
ATSEP - Data Processing & Automation	Classroom	English	5 days	Nigerian College of Aviation Technology (NCAT)	Nigeria
ATSEP - Navigation Aids Equipment Maintenance	Classroom	English	10 days	Nigerian College of Aviation Technology (NCAT)	Nigeria
ATSEP - Pre-On-the-Job Training Course	Classroom	English	4 days	Nigerian College of Aviation Technology (NCAT)	Nigeria
ATSEP - Surveillance Equipment Maintenance	Classroom	English	10 days	Nigerian College of Aviation Technology (NCAT)	Nigeria
ATSEP - Systems Monitoring & Control	Classroom	English	5 days	Nigerian College of Aviation Technology (NCAT)	Nigeria
Basic Meteorology Course for Air Traffic Controller	Classroom	English	5 days	Civil Aviation Training College Allahabad	India
Curso Especialista en Cartografía Aeronáutica/AIS	Classroom	Spanish	10 days	Academia Superior de Ciencias Aeronáuticas (ASCA)	Dominican Republic
Curso Operador de Búsqueda, Salvamento y Rescate - SAR (Básico)	Classroom	Spanish	5 days	Instituto Nacional de Aeronáutica Civil (INAC)	Paraguay
DME Fernau 2020 Maintenance	Classroom	English	15 days	Civil Aviation Technology College (CATC)	Iran (Islamic Republic of)
Elaboración, Análisis e Interpretación de NOTAMs	Classroom	Spanish	10 days	Academia Superior de Ciencias Aeronáuticas (ASCA)	Dominican Republic
Facteurs Humains / opérateurs de première ligne ATM	Classroom	French	5 days	Academie Internationale Mohamed VI de l'Aviation Civile (AIAC)	Могоссо
Flight Data Processing in ATC Surveillance Operations	Classroom	English	25 days	Civil Aviation Authority Training Institute (CAATI)	Jamaica
Gestion Automatizada de Planes de Vuelo	Classroom	Spanish	5 days	Instituto Centroamericano de Capacitación Aeronáutica (ICCAE) de COCESNA	El Salvador
Gestión de la Navegación Basada en la Performance (PBN)	Classroom	Spanish	5 days	Academia Superior de Ciencias Aeronáuticas (ASCA)	Dominican Republic

Course Name	Delivery	Language	Duration	Developed by	Country
Gestion du Trafic Aérien sur un Aérodrome AFIS	Classroom	French	10 days	Ecole Régionale de la Navigation Aérienne et de Management (ERNAM)	Senegal
Handling Emergencies and Unexpected Events in Terminal and En-Route Airspace	Classroom	English	5 days	Malaysia Aviation Academy	Malaysia
Human Factors / Frontline ATM Operators	Classroom	English	5 days	Academie Internationale Mohamed VI de l'Aviation Civile (AIAC)	Могоссо
Human Factors: The TEM and TRM Interface	Classroom	English	5 days	GAL ANS Training Centre	United Arab Emirates
Información y Cartografía Aeronáutica	Classroom	Spanish	10 days	Centro de Adiestramiento de la Aviación (CAA)	Cuba
Inicial ATC Aeródromo	Classroom	Spanish	45 days	Instituto Centroamericano de Capacitación Aeronáutica (ICCAE) de COCESNA	El Salvador
Initiation aux procédures de vol aux instruments PANs OPS	Classroom	French	5 days	Academie Internationale Mohamed VI de l'Aviation Civile (AIAC)	Могоссо
Interpretación De Información Meteorológica Aeronáutica Para Tripulantes De Vuelo Y Personal De Navegación Aérea	Classroom	Spanish	5 days	Escuela Técnica de Aviación Civil (ETAC)	Ecuador
Investigación de Incidentes ATS, una herramienta para el SMS.	Classroom	Spanish	5 days	Centro de Estudios Aeronáuticos (CEA)	Colombia
Low Visibility Procedures for Aerodrome Controllers	Classroom	English	5 days	Saudi Academy of Civil Aviation (SACA)	Saudi Arabia
Manejo de Mensajeria ATS Normalizada Asociada al Plan de Vuelo OACI	Classroom	Spanish	5 days	Instituto Universitario de Aeronáutica Civil (IUAC)	Venezuela (Bolivarian Republic of)
Mantenimiento Sistema Terrestre VOR Selex 1150	Classroom	Spanish	5 days	Instituto Universitario de Aeronáutica Civil (IUAC)	Venezuela (Bolivarian Republic of)
Mantenimiento Sistema VHF Alcance Extendido	Classroom	Spanish	5 days	Instituto Universitario de Aeronáutica Civil (IUAC)	Venezuela (Bolivarian Republic of)
NOTAM Specialist Course / Classroom Phase	Classroom	English	10 days	Civil Aviation Training Centre	Sri Lanka
NOTAM Specialist Course / Online Phase	Online	English	30 hours	Civil Aviation Training Centre	Sri Lanka
On-the-job Training Instructor for Air Traffic Control (OJTI for ATC)	Classroom	English	7 days	Civil Aviation Training Centre Thailand	Thailand
Operation and Maintenance of Mode S Surveillance System Equipment	Classroom	Russian	5 days	Republican State- owned Enterprise "Kazaeronavigatsia"	Kazakhstan

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Course Name	Delivery	Language	Duration	Developed by	Country
PBN for Air Navigation Services personnel	Classroom	Russian	5 days	Institute of Air Navigation (IAN)	Russian Federation
Performance-Based Navigation (PBN) for Air Traffic Services Officers (ATSOs)	Classroom	English	110 days	Air Traffic and Navigation Services (ATNS) - Aviation Training Academy	South Africa
Performimg ADS-B System Equipment Maintenance	Classroom	English	5 days	Malaysia Aviation Academy	Malaysia
Prevention of Miscommunication in ATC Radio Telephony	Classroom	English	5 days	Civil Aviation Training College Allahabad	India
Quality Management System (QMS) Internal Auditors Course	Classroom	English	5 days	Air Traffic and Navigation Services (ATNS)-Aviation Academy	South Africa
Search Area Calculation for SAR Operation	Classroom	English	4 days	Malaysia Aviation Academy	Malaysia
Situation Data Display (SDD) Operation Course	Classroom	English	10 days	Civil Aviation Training Institute (CATI)	Pakistan
Spécialiste en Maintenance des Stations VSAT Aeronautiques	Classroom	French	20 days	Ecole Africaine de la Méteorologie et de l'Aviation Civile (EAMAC)	Niger
Thales DME Maintenance	Classroom	English	20 days	Civil Aviation Training College Allahabad	India
Thales DVOR Maintenance Course	Classroom	English	20 days	Civil Aviation Training College Allahabad	India
Threat and Error Management in Air Traffic Control	Classroom	English	5 days	Trinidad and Tobago Civil Aviation Authority - Civil Aviation Training Centre	Trinidad and Tobago
Unstable Approaches in Air Traffic Control	Classroom	English	5 days	Civil Aviation Training College Allahabad	India
VHF (OTE) Tx/Rx Maintenance Course	Classroom	English	15 days	Civil Aviation Training College Allahabad	India



# AIR TRANSPORT

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## FUNDAMENTALS OF THE AIR TRANSPORT SYSTEM

#### PTP PTP/FATS/003E

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#### **Delivery** Online

Language English

**Duration** 20 hrs

**Course Description** 

This course will provide fundamental knowledge and inspire individuals about the different fields of aviation as they consider their professional goals and career path. The following nine online modules cover diverse activities and regulations of civil aviation: air law, aircraft, operations, navigation, airports, security, environment, accidents, and safety. To complete the course without the exam (free of charge), please register at https://www4.icao.int/learning/. To complete the exam to earn a certificate, please go to the ICAO Store at www.icao.int/store.



Developed by University of Waterloo & International Civil Aviation Organization (ICAO)

# STANDARDIZED TRAINING PACKAGE (STP)

Course Name	Delivery	Language	Duration	Developed by	Country
Air Cargo Acceptance & Handling	Classroom	English	5 days	Gulf Center for Aviation Studies (GCAS)	United Arab Emirates
Aircraft Emergency Landing and Evacuation Procedures Training for Cabin Crew	Classroom	English	5 days	Ethiopian Aviation Academy (EAA)	Ethiopia
Aircraft Loading for Load Master	Classroom	English	5 days	Egyptair Training Academy	Egypt
Airport First-aids Exercises Supervisor	Classroom	Chinese	5 days	Capital Airports Management Academy	China
Airport VIP Attendant	Classroom	Chinese	5 days	Capital Airports Management Academy	China
Auditoría Interna de Calidad de los Procesos Aeronáuticos	Classroom	Spanish	5 days	Corporación Educativa Indoamericana (CEI)	Colombia
Aviation English for Aircraft Maintenance Technicians	Classroom	English	5 days	Ethiopian Aviation Academy (EAA)	Ethiopia
Emergencia Aeronáutica, Evacuación y Supervivencia	Classroom	Spanish	10 days	Centro de Adiestramiento de la Aviación (CAA)	Cuba
Gestion efficace du Processus Lettres OACI aux États	Classroom	French	5 days	Académie Tunisienne de Formation en Sûreté de l'Aviation Civile (AFSAC)	Tunisia
Inspección de Pintura y Recubrimiento Aeronáutico	Classroom	Spanish	5 days	Corporación Educativa Indoamericana (CEI)	Colombia
Pintura Aeronáutica - PAINTAIR	Classroom	Spanish	5 days	Corporación Educativa Indoamericana (CEI)	Colombia
Ramp Safety Awareness	Classroom	English	3 days	Center for Human Resources Development on Civil Aviation	Indonesia
Weight and Balance for Wide Body Aircraft (B767, B777, B787 and A350)	Classroom	English	5 days	Ethiopian Aviation Academy (EAA)	Ethiopia
					Ethiopia

# **AVIATION LAW**





## INTERNATIONAL AIR LAW

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**AVIATION LAW** 

#### Delivery Classroom

#### Language EN, FR & SP Duration 5 days

**Course Description** The International Air Law course aims to enable representatives of Civil Aviation Administrations, Civil Aviation Authorities, Airports and Air Navigation Service Providers to support their organization in compliance with international air law, by applying knowledge guided through diverse case examples.



Developed by International Civil Aviation Organization (ICAO)

# **STANDARDIZED TRAINING PACKAGE (STP)**

### ESSENTIAL ELEMENTS OF CRIMINAL AIR LAW FOR AVIATION PROFESSIONALS

STP 154/172/CAA LAW EEL



**Delivery** Online

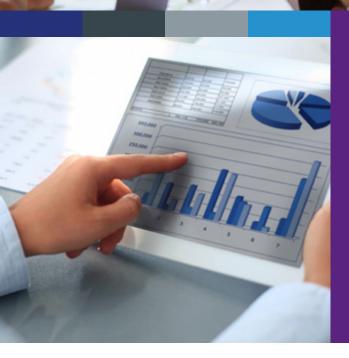
Language English

Duration 18 hours

**Developed by** Joint Aviation Authorities Training Organisation (JAA TO)

# AVIATION MANAGEMENT

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## GLOBAL ACI-ICAO AIRPORT MANAGEMENT PROFESSIONAL ACCREDITATION PROGRAMME (AMPAP)



AVIATION MANAGEMENI

#### **Delivery** Online & Classroom

Language English

#### **Duration** 6 courses over 3 years

**Course Description** 

AMPAP is an executive development programme for airport executives worldwide. Its six-course curriculum covers all functional areas of airport business and promotes adherence to the highest professional standards.

#### Courses:

- Aerodrome Certification Classroom 5 Days
- Airport User Charges Classroom 5 Days
- Management of Airport Security Classroom 5 Days
- Implementing Annex 14: Advanced Aerodrome Design and Operations (AADO) — Classroom - 5 Days
- Global Reporting Format (GRF) Online Course 3 Hours
- Global Reporting Format (GRF) for Runway Surface Condition Assessment and Reporting — Classroom - 3 Days

Developed by Airports Council International (ACI) and International Civil Aviation Organization (ICAO)

## MANAGEMENT CERTIFICATE IN CIVIL AVIATION

**Delivery** Online & Classroom Language English **Duration** 6 weeks per certificate (3 Certificates) **Course Description** This aviation-centric management programme is to enhance the competencies of qualified personnel in the civil aviation community while promoting best practices with ICAO's TRAINAIR PLUS Programme and global aviation training activities. The programme will be taught at a level equivalent to that of a graduate business programme and will consist of three certificates: Strategic Management, Human Resources Management; and Business Planning and Decision-Making. Upon successful completion of these three certificates, participants will graduate with an Executive Certificate in Civil Aviation Management.

Developed by JMSB - Concordia University & International Civil Aviation Organization (ICAO)

## STANDARDIZED TRAINING PACKAGE (STP)

Course Name	Delivery	Language	Duration	Developed by	Country
Inspector de Mantenimiento Aeronáutico	Classroom	Spanish	5 days	Corporación Educativa Indoamericana (CEI)	Colombia
Supervisor Competencies	Classroom	English	5 days	Trinidad and Tobago Civil Aviation Authority - Civil Aviation Training Centre	Trinidad and Tobago

For more information and registration, visit www.icao.int/training. TRAINAIR PLUS Members can purchase Training Packages through the TRAINAIR PLUS Electronic Management System (TPEMS). If you are not a TRAINAIR PLUS Member, please send your enquiries to aviationtraining@icao.int.



PTP PTP/MCCA/001E



# **ENVIRONMENT**

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#### CORSIA VERIFICATION COURSE

#### ITP ITP/ENV/CORSIA/017E

	Delivery	Classroom	Language	English	Duration 3 days	ŧ
Course I	Description	The CORSIA Verification how to verify CO2 Emi				
		operators, in accorda Reduction Scheme f Recommended Practi	or International		5	.1



**Developed by** International Civil Aviation Organization (ICAO)

## **STANDARDIZED TRAINING PACKAGE (STP)**

Course Name	Delivery	Language	Duration	Developed by	Country
Airport Green House Gas (GHG) Management	Classroom	English	5 days	Incheon Airport Aviation Academy (IAAA)	Republic of Korea
Leadership in Energy and Environmental Design and Operation of Airport Infrastructures	Classroom	English	5 days	GMR Aviation Academy	India
Mitigación de nivel de ruido generado por helicópteros	Classroom	Spanish	4 days	Centro de Instrucción, Perfeccionamiento y Experimentación (CIPE)	Argentina
Mitigación del riesgo por fauna en aeropuertos	Classroom	Spanish	5 days	Centro Internacional de Instruccion de Aeropuertos y Servicios Auxiliares (CIIASA) - Ingeniero Roberto Kobeh González	Mexico
Airport Bird Strike Management	Classroom	Chinese	5 days	Capital Airports Management Academy	China

ENVIRONMENT

# FLIGHT SAFETY AND SAFETY MANAGEMENT



#### AVIATION DATA-DRIVEN **DECISION MAKING (AD3M)**



**Delivery** Online & classroom

Language English

#### Duration Part 1: 15 hours - Part 2: 4 days

#### **Course Description**

The AD3M course is designed to prepare aviation professionals to generate reports and interpret results for making effective decisions, managing risk and setting priorities for different civil aviation activities, operations, or procedures. The AD3M is a blended course consisting of two parts: Part 1: Fundamentals of Aviation Data-driven Decision Making (AD3M) online course explores the fundamental concepts behind data-driven decision making: Part 2: Application of Aviation Data-driven Decision Making (AD3M) classroom course applies the concepts to practical scenarios and real-life situations. The Part 1 online is available as a standalone course, however, it is a prerequisite to attend the Part 2 classroom course.

Language English



Developed by International Civil Aviation Organization (ICAO)

#### DANGEROUS GOODS - USING THE TECHNICAL INSTRUCTIONS FOR THE SAFE TRANSPORT OF DANGEROUS GOODS BY AIR

ITP ITP/FSM/DGUTI/014E

**Delivery** Classroom **Course Description** This course provides State employees with the knowledge and skills required to determine when a consignment of dangerous goods is classified, packed, marked, labelled, documented, accepted, handled and transported, in accordance with ICAO's Annex 18 — The Safe Transport of Dangerous Goods

GLOBAL AVIATION TRAININ Using the Technical Instructions for the Safe by Air and ICAO's Technical Instructions for the Safe Transport of Dangerous Transport of Dangerous Goods by Air

International Civil Aviation Organization (ICAO) **Developed by** 

Goods by Air (Doc 9284).

#### ECCAIRS - EUROPEAN CO-ORDINATION CENTRE FOR ACCIDENT AND INCIDENT REPORTING SYSTEMS (ECCAIRS) END USER COURSE



Delivery Classroom

Language English

**Duration** 5 days

**Duration** 5 days

**Course Description** 

The end-user course is aimed at participants who will input the safety data into ECCAIRS or interrogate the system for safety analysis purposes. This course covers Accident/Incident Data Reporting (ADREP) taxonomy, as well as handson experience of ECCAIRS as a tool used to code, enter, extract or analyze safety data.



ITP/FSM/ECCAIRS/010E

ITP

**Developed by** International Civil Aviation Organization (ICAO)

#### ECCAIRS - EUROPEAN CO-ORDINATION CENTRE FOR ACCIDENT AND INCIDENT REPORTING SYSTEMS (ECCAIRS) TECHNICAL COURSE

**Delivery** Classroom Language English **Duration** 5 days **Course Description** The technical course is aimed at those who will install and administer ECCAIRS from a technical point of view. This course covers the installation, setup, and management of the ECCAIRS system. The scope of the course enables system administrators and/or IT personnel to get acquainted with the system, perform the setup and configuration of their ECCAIRS installation, as well as to supply basic user support. This support includes the management of the security of the ECCAIRS installation, the adaptation of reports, the customization of the taxonomy and the adaptation of the user interfaces.

**Developed by** International Civil Aviation Organization (ICAO)

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#### ICAO GOVERNMENT SAFETY INSPECTOR PERSONNEL LICENSING COURSE (GSI-PEL-18710)

**Delivery** Classroom

**Course Description** This course is intended for CAAs involved in developing or upgrading their own State licensing or PEL systems. The course is intended to be taken as a group composed of personnel assigned to a CAA's PEL office. Participants are taught how to establish and maintain a CAA PEL office and consider various factors associated with obtaining services for the PEL system from an outside service provider. Participants will be instructed on how to develop knowledge tests for a licensing system and how to ensure the tests' validity. Participants will learn the licensing process from application to issuance of a license, in addition to procedures for validation or conversion of a foreign license and suspension or revocation of a license. Classroom exercises will provide practice in how to determine if an applicant is eligible for the license sought, and if the license applicant successfully completed the demonstrations required for a license. The course is based on the International Civil Aviation Organization's (ICAO) Standards and Recommended Practices (SARPs), Model Civil Aviation Regulations (MCARs) and technical guidance.

Language English

Developed by International Civil Aviation Organization (ICAO)

For more information and registration, visit www.icao.int/training. TRAINAIR PLUS Members can purchase Training Packages through the TRAINAIR PLUS Electronic Management System (TPEMS). If you are not a TRAINAIR PLUS Member, please send your enquiries to aviationtraining@icao.int.

ITP ITP/FSM/ECCAIRS/009E



**Duration** 15 days

ITP/FSM/GSI PEL/006E

ITP



#### ICAO GOVERNMENT SAFETY INSPECTOR ITP/FSM/GSI AIR/007E AIRWORTHINESS – AIR OPERATOR AND APPROVED MAINTENANCE ORGANIZATION CERTIFICATION (GSI-AIR-18701)

Language English

**Course Description** This course covers the basic concepts and steps involved in certificating an approved maintenance organization and an air transport operator. Participants will be taught the five-phase certification process based upon ICAO Standards and Recommended Practices (SARPs) and Model Civil Aviation Regulations (MCARs). Part One covers Approved Maintenance Organization (AMO) Certification and Part Two covers Air Transport Operator Certification (AOC). During the course, participants will follow a "mock" maintenance organization and then a mock operator seeking certification throughout each phase of the certification process. Exercises will be conducted in which participants must evaluate excerpts of "mock" maintenance organizations and operator's manuals. Participant exercises will also provide practice in evaluating observations of the maintenance organization's and the operator's demonstrations to ensure compliance with the MCARs and advisory material.



**Duration** 15 days

**Duration** 14 days

**Developed by** International Civil Aviation Organization (ICAO)

#### ICAO GOVERNMENT SAFETY INSPECTOR OPERATIONS – AIR OPERATOR CERTIFICATION COURSE (GSI-OPS-18700)

ITP ITP/FSM/GSI OPS/005E

Delivery Classroom

**Course Description** This co

This course covers the basic concepts and steps involved in certificating an air transport operator. Participants will be taught the five-phase certification process based upon the International Civil Aviation Organization (ICAO) Standards and Recommended Practices (SARPs) and Model Civil Aviation Regulations (MCARs). During the course, participants will follow a "mock" operator seeking certification throughout each phase of the certification process. Exercises will be conducted in which participants must evaluate excerpts of the "mock" operator's manuals and observations of the operator's demonstrations to ensure compliance with the MCARs and advisory material. This course was designed using the ICAO TRAINAIR PLUS course development methodology.

Language English



**Developed by** International Civil Aviation Organization (ICAO)

For more information and registration, visit www.icao.int/training. TRAINAIR PLUS Members can purchase Training Packages through the TRAINAIR PLUS Electronic Management System (TPEMS). If you are not a TRAINAIR PLUS Member, please send your enquiries to aviationtraining@icao.int.

Delivery

Classroom

#### SAFETY MANAGEMENT

<b>Delivery</b>	Online	Language English	<b>Duration</b> 12 hours	GLOBAL AVIATION TRAINING TRAUNAR PLUS
Course Description	involved in State Safe operation with the basic management systems well as the acceptance, will provide service pro	e State regulatory and admi ety Programme (SSP) imp knowledge, skills, and attitue (SMS) requirements and gu /oversight of service provider ovider staff with the basic kr dminister or participate in SM	lementation and/or de to advocate safety uidance material, as rs' SMS. The course nowledge, skills, and	Safety Management Online
Developed by		line Course is a mandatory prerec	quisite for the classroom	
	NAGEMENT F NERS (SMXP)*			CTP CTP/FSM/SMP/001E

Delivery	Classroom	Language English	Duration 5 days	GLOBAL AMATION TRAJ
Course Description	(SMS) and State Safety application of operation	to provide qualified Safet Programme (SSP) staff hal safety management pr IT tools to enhance efficier vities.	with a comprehensive rocesses and practical	Partieur sker voueren For Practitioners (SMxP) Course
Developed by	International Civil Aviation	on Organization (ICAO)		www.icas.int/training
In collaboration with	SENASA			
	*The Safety Management On	line Course is a mandatory pre	requisite for the classroom	

#### MANAGING COMPLIANCE WITH ICAO SARPS

<b>Delivery</b>	Online and Classroom Language EN, FR & SP Duration 30 hours	
Course Description	This course aims to enable CAA senior and middle managers to plan, manage and continuously monitor the implementation of ICAO SARPs in their States.	G
Developed by	International Civil Aviation Organization (ICAO)	-
Funded by	China South-South Cooperation Assistance Fund	Mana

course of the Safety Management for Practitioners (SMxP).



ITP ITP/MGT/MCIS/013E



#### UNIVERSAL SAFETY OVERSIGHT AUDIT PROGRAMME CONTINUOUS MONITORING APPROACH (USOAP CMA)

FLIGHT SAFETY AND SAFETY MANAGEMENT

Delivery Online

Language English

Duration 40-60 hrs

Course Description

This training assists aviation experts to prepare for USOAP CMA activities. It highlights the essential content of the protocol questions, relating them to the associated ICAO documents, including the ICAO Annexes and associated guidance material in each audit area: personnel licensing and training (PEL), aircraft operations including dangerous goods (OPS including DG), airworthiness of aircraft (AIR), aircraft accident and incident investigation (AIG), air navigation services (ANS), aerodromes and ground aids (AGA), and primary aviation legislation & civil aviation regulations (LEG) and civil aviation organization (ORG). The material covered by this training is aligned with the Safety Oversight Audit Manual (Doc 9735).



**Developed by** International Civil Aviation Organization (ICAO)

#### IAASM-SAA POSTGRADUATE CERTIFICATE IN AVIATION MEDICINE FOR MEDICAL EXAMINERS AND ASSESSORS

CTP CTP/FSM/MED/003E

**Delivery** Online and classroom

Language English Duration 6.5 hours (online) 10 days (classroom)

**Course Description** 

This course (Part 1 and 2) will prepare participants to familiarize themselves with the roles and responsibilities of an aviation medical examiner and assessor through a curriculum that covers the competency framework published in the ICAO Manual of Civil Aviation Medicine as well as foundational knowledge of ICAO Annex 1 — Personnel Licensing, Standards and Recommended Practices (SARPs), and the aviation environment.

The course (Part 3, 4 and 5) will provide participants with practical experience of the aviation operating environment in order to appreciate its impact on human physiology and performance. Participants (primary target audience only) will be able to apply ICAO SARPs, perform effective licensing medical examination, critically evaluate medical documents and make medical fitness conclusions for ICAO Class 1, 2 and 3 medical assessments.

#### Developed by Singapore Aviation Academy



For more information and registration, visit www.icao.int/training. TRAINAIR PLUS Members can purchase Training Packages through the TRAINAIR PLUS Electronic Management System (TPEMS). If you are not a TRAINAIR PLUS Member, please send your enquiries to aviationtraining@icao.int.

#### CONDUCTING A TECHNICAL ASSISTANCE VISIT TO A CAPSCA MEMBER STATES AND AIRPORTS

CAPSCA Member State and Airports.

course will provide participants

Joint Aviation Authorities Training Organisation (JAA TO)

Language English

On-the-Job Training (OJT) to conduct technical assistance visit to a

## PERSONNEL LICENSING (PEL) SYSTEM COURSE

**Delivery** Online

This

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**Course Description** 

Developed by

	Delivery	Online and classroom	Language		7
			Duration	15 hours (online) 5 days (classroom)	
Course Do	escription			vith essential knowledge, skills, and fective personnel licensing system.	a.
		Introduction (online) 1 ho Part 1 (online) 15 Hours, Part 2 (classroom) 27 ho			Period
Dev	eloped by	Singapore Aviation Acade	emy		

#### **OVERSIGHT OF AIRCRAFT** LEASING OPERATIONS

**Course Description** 

Delivery Classroom

#### Language English

**Duration** 5 days

This course will provide required knowledge, skills and attitudes for States and airlines employees to implement operational procedures for acceptance, approval and oversight of aircraft leasing arrangements in accordance with Chicago Convention and its Annexes in particular Annex 1, Annex 6 Part I, Part II, and Part III and Annex 8.

Developed by Singapore Aviation Academy





ITP/R/FSM/CAPSCA/008E

RTCF ITP

RTCE ITP

RTCF ITP

CAAS

ITP/R/FSM/OAL0/018E

TRAINAIR

ITP/R/FSM/PEL/001E

with the necessary knowledge, skills and attitudes required to participate in the

**Duration** 32 hours

# **STANDARDIZED TRAINING PACKAGE (STP)**

Course Name	Delivery	Language	Duration	Developed by	Country
Aircraft Systems Troubleshooting	Classroom	English	5 days	Ethiopian Aviation Academy (EAA)	Ethiopia
Airport ISMS Internal Audit	Classroom	Chinese	5 days	Capital Airports Management Academy	China
Aviation Medical Examiner (Basic Course)	Classroom	English	5 days	Egyptian Aviation Academy (EAA)	Egypt
Basic Maintenance Continental Motors CD135/CD155 Engines	Classroom	English	4 days	Civil Aviation University of China (CAUC)	China
CFM56-5B Engine Run-up	Classroom	English	5 days	Civil Aviation University of China	China
Communication Procedures for Airside Operations	Classroom	English	5 days	Civil Aviation Training Centre Thailand	Thailand
Flight Permission Officer	Classroom	English	5 days	Queen Noor Civil Aviation Technical College (QNCATC)	Jordan
Flight Simulator Training Device (FSTD) compliance monitoring specialist	Classroom	English	5 days	Middle East Airlines Training Center	Lebanon
Gerencia de la Confiabilidad Aeronáutica	Classroom	Spanish	5 days	Corporación Educativa Indoamericana (CEI)	Colombia
Gerencia en Mantenimiento Aeronáutico	Classroom	Spanish	5 days	Corporación Educativa Indoamericana (CEI)	Colombia
Gestión de Riesgo en la Aviación Civil	Classroom	Spanish	5 days	Agência Nacional de Aviação Civil (ANAC)	Brazil
HAZMAT First Responder (Operations Level)	Classroom	English	3 days	GMR Aviation Academy	India
Interventions efficaces en cas d'incidents ou déversement de carburant	Classroom	French	5 days	Academie Internationale Mohamed VI de l'Aviation Civile (AIAC)	Могоссо
Investigación de Accidentes e Incidentes de Aviación Civil	Classroom	Spanish	10 days	Centro de Instrucción, Perfeccionamiento y Experimentación (CIPE)	Argentina
Managing Safely at Airports	Classroom	English	5 days	Gulf Center for Aviation Studies (GCAS)	United Arab Emirates
Operational Hazard Identification and Risk Mitigation	Classroom	English	4 days	Singapore Aviation Academy	Singapore
Personal Weight Management Skill Set for Aviation Professionals	Online	English	10-15 hours	ASSET Aviation Institute	Australia
Procedimientos avanzados en la investigación de campo de accidentes aéreos	Classroom	Spanish	5 days	Corporación Educativa Indoamericana (CEI)	Colombia
Radio Telephony Communication for Airside Safety Operators	Classroom	English	5 days	Qatar Aeronautical College (QAC)	Qatar
Safety Management for Approved Maintenance Organizations under ICAO/ EASA Rules	Classroom	English	3 days	Joint Aviation Authorities Training Organisation (JAA TO)	Netherlands

# STANDARDIZED TRAINING PACKAGE (STP)

Course Name	Delivery	Language	Duration	Developed by	Country
SORA- Safety Ocurrence Reporting and Analysis	Classroom	English	5 days	Servicios y Estudios para la Navegación Aérea y la Seguridad Aeronáutica (SENASA)	Spain
State Aviation Inspector on Training Organizations	Classroom	Russian	8 days	Republican State- owned Enterprise "Kazaeronavigatsia"	Kazakhstan
Técnico de mantenimiento en sistema de interconexión de cableado eléctrico de aeronaves	Classroom	Spanish	5 days	Corporación Educativa Indoamericana (CEI)	Colombia
TIBA Safety Procedures (Uncontrolled Operations)	Classroom	English	5 days	Saudi Academy of Civil Aviation (SACA)	Saudi Arabia
Weight and Balance Application to B737NG and Airbus 321	Classroom	English	5 days	Loumed Cabin Crew Training Center (LCCTC)	Morocco



# SECURITY AND FACILITATION

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#### AIR CARGO AND MAIL SECURITY COURSE

Delivery Classroom

**Course Description** To enable the target population to integrate knowledge of Standards and Recommended Practices (SARPs) into the context of their designated role in their organization as part of a national responsibility to secure air cargo and mail against acts of unlawful interference, in accordance with Annex 17 and the ICAO's Aviation Security Manual (Doc 8973 - Restricted)

Language EN, FR, SP, RU & AR

Developed by International Civil Aviation Organization (ICAO)

#### **AVIATION SECURITY** MANAGEMENT COURSE

This course will train aviation security personnel at the managerial level to plan, coordinate, and implement the application of airport security preventive measures in accordance with approved programmes.

**Developed by** International Civil Aviation Organization (ICAO)

# AVIATION SECURITY NATIONAL

Language English **Duration** 7 days Delivery Classroom The course provides trainees with theoretical and practical knowledge of fundamental aspects of the audits and inspections as a part of a National Quality Control system. Trainees are provided with a standard methodology as well as specific techniques. The course is concluded by an exercise conducted at the airport.

#### AVIATION SECURITY NATIONAL INSTRUCTORS COURSE

**Delivery** Classroom Language English **Duration** 7 days **Course Description** In this course, graduates will be able to conduct Aviation Security (AVSEC) courses and be fully versed in the general application of training principles, the preparation of appropriate teaching aids, and the tailoring of course material to harmonize course objectives with local and national requirements. It is intended for any aviation personnel who require AVSEC instruction, guidance, and materials.

Developed by International Civil Aviation Organization (ICAO)

For more information and registration, visit www.icao.int/training. TRAINAIR PLUS Members can purchase Training Packages through the TRAINAIR PLUS Electronic Management System (TPEMS). If you are not a TRAINAIR PLUS Member, please send your enquiries to aviationtraining@icao.int.

Delivery Classroom Language English **Duration** 7 days **Course Description** 

**INSPECTORS COURSE** 

**Course Description Developed by** International Civil Aviation Organization (ICAO) ASTP

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**Duration** 5 days

#### AIRPORT SECURITY SUPERVISORS COURSE

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Delivery Classroom

#### Language EN, FR, SP, RU & AR

#### **Duration** 8 days

**Course Description** 

To ensure that relevant personnel at airports can supervise and monitor the implementation of aviation security preventive measures through the application of the relevant competencies required for security supervisors. Participants of this course will be prepared to plan, coordinate and conduct quality control measures utilizing Annex 17 and ICAO methodology in accordance with approved programmes.

**Developed by** International Civil Aviation Organization (ICAO)

#### CONTROL OF THE AUTHENTICITY AND VALIDITY OF TRAVEL DOCUMENTS AT **AIRPORT BORDERS - LEVEL 1**

Delivery	Classroom	Language EN, I	FR, SP, RU, AR & CH	CAO GLOBAL AVIATION TRANUR TRANAR
 escription	officers from in travel documents	nmigration and border co	ncies of front-line inspection ntrol authorities to examine to expedite the movements of	Security & Facilitation Control of the Authenticity and Validity of Travel Documents at Airport
	5	, , , , ,		Borders - Level 1

**Developed by** International Civil Aviation Organization (ICAO)

#### ICAO – ACI MANAGEMENT **OF AIRPORT SECURITY**

	Delivery	Classroom	Language English	Duration 5 days	
Course [	Description	managerial level on security preventative	guidance to aviation sec planning, coordinating and measures and pro-active in nal programmes and airport in	implementing airport initiatives that are in	
Do	volopod by	Ainnanta Caunail Intan	actional (ACI) and		Management o Airport Securit

**Developed by** Airports Council International (ACI) and International Civil Aviation Organization (ICAO)





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#### ICAO-CONCORDIA UNIVERSITY AVIATION SECURITY PROFESSIONAL MANAGEMENT COURSE (PMC)

**Delivery** Online & Classroom

LanguageEnglishDuration10 days (classroom) 10 weeks (online)

**Course Description** 

This blended course, developed in partnership between ICAO and Concordia University, which combines 2 weeks of classroom training and 10 weeks of distance eLearning, aims to develop an internationally recognized Professional AVSEC Manager.

You may also visit: www.concordia.ca/jmsb/ami

**Developed by** JMSB - Concordia University and International Civil Aviation Organization (ICAO)

#### AVIATION SECURITY PRACTICE FOR SCREENING CHECKPOINT SUPERVISORS

DeliveryClassroomLanguageEnglishDuration 3 daysCourse DescriptionThis refresher course will provide screening checkpoint supervisors with<br/>the necessary knowledge, skills and attitude to continue the administrative<br/>and operational oversight of their teams to effectively and efficiently<br/>implement procedures in accordance with the National/Airport Security<br/>Programme.



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**Developed by** Civil Aviation Training Centre of Korea Airports Corporation (KAC)

#### AIRPORT LANDSIDE SECURITY

**Delivery** Classroom

RTCE ITP ITP/R/ASF/ALS/011E

Course Description	This course will provide relevant aviation security personnel at the national/airport level with necessary knowledge and skills to develop and implement preventive security measures in the landside area of an
	airport, in accordance with ICAO Annex 17, Aviation Security Manual Doc 8973 - Restricted, the State's National Civil Aviation Security Programme (NCASP) and Airport Security Programme (ASP).

## **Developed by** Incheon Airport Aviation Academy (IAAA) and Korea Civil Aviation Training Centre (KCATC).



**Duration** 5 days

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Language English

# STANDARDIZED TRAINING PACKAGE (STP)

Course Name	Delivery	Language	Duration	Developed by	Country
Assessing Threat through Behaviour Detection	Classroom	English	5 days	Hong Kong International Aviation Academy (HKIAA)	China
Catering Security	Classroom	Arabic	5 days	Saudi Academy of Civil Aviation (SACA)	Saudi Arabia
Cross Cultural Awareness skills for Immigration officers	Classroom	English	5 days	Qatar Aeronautical College (QAC)	Qatar
Facilitación del Transporte Aéreo	Classroom	Spanish	5 days	Instituto Nacional de Aviación Civil (INAC)	Bolivia
Screening Passengers with Disabilities or Reduced Mobility(PDRM)	Classroom	English	3 days	Civil Aviation Training Centre of Korea Airports Corporation (KAC)	Republic of Korea
Utilisation d'un appareil radioscopique conventionnel en vue de la détection de menaces	Classroom	French	5 days	Ecole Nationale de l'Aviation Civile (ENAC)	France



# TRAINING COMPETENCY DEVELOPMENT

#### their CATC Course Development Units (CDU). The course will train civil aviation course developers to design and develop Standardized Training Packages (STPs) to TRAINAIR PLUS competencybased training methodology by either upgrading existing conventional courses developed by the CATC to become a STP or to create a new STP. Developed by International Civil Aviation Organization (ICAO)

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### MANAGING AVIATION TRAINING INTELLIGENCE (MATI)

#### **Course Description**

Delivery Classroom

This course aims to broaden the management approach of Civil Aviation Training Centre managers to practice decision-making based on managing all available aviation training intelligence. Consulting State master plans. organization analyses, evaluating training needs data, and post-training data to build the training centre portfolio and operational plan is critical to improve States' or regions' Universal Safety Oversight Audit Programme (USOAP) audit results and meet aviation growth projections with gualified personnel. Implementing an information and training management system is the key to effective management of aviation training intelligence.

Language English

**Duration** 5 days

**Duration** 10 days

Developed by International Civil Aviation Organization (ICAO)

#### POST-TRAINING EVALUATION (PTE) COURSE

Language EN & SP **Duration** 5 days Delivery Classroom **Course Description** This course will provide Civil Aviation Training Centre (CAT) personnel with the necessary knowledge, skills and attitude to implement the TRAINAIR PLUS Level 3 Post-Training Evaluation (L3 PTE) processes, measure the impact of delivered training on work performance, and enhance the quality of developed courses and implemented training processes.

**Developed by** International Civil Aviation Organization (ICAO)

#### TRAINING DEVELOPERS COURSE (TDC)

**Course Description** The Training Developers Course (TDC) is the core training activity of the TRAINAIR PLUS Programme. It is the main tool to consolidate the implementation of the Programme among Civil Aviation Training Centres (CATCs), through the creation of well-trained professional teams of course developers to work in

Language EN, FR & SP

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# TRAINING COMPETENCY DEVELOPMENT

#### TRAINING INSTRUCTORS COURSE (TIC)

ITP 212/02/ICAO TIC

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Delivery Online & Classroom

Language EN, FR & SP

**Duration** 30 hours online (EN) 5 days classroom (EN) 8 days classroom (FR & SP)

#### Course Description

This course will enable participants to methodically prepare and conduct training courses in accordance with ICAO's instructor competencies and develop the required training strategies for course delivery. The TIC will train instructors to deliver STPs based on the TRAINAIR PLUS methodology, as well as conventional courses.

Developed by	International Civil Aviation Organization (ICAO)
Part 1 training was developed in	Joint Aviation Authorities Training Organisation (JAA TO)
developed in collaboration with:	

#### TRAINING MANAGERS COURSE (TMC)

**Delivery** Classroom

Language EN & SP

**Duration** 4 days

**Course Description** The ICAO TRAINAIR PLUS Training Managers Course (TMC) addresses the operational aspects of managing an aviation training organization that meets the required standards of operation, training delivery, and guality management. It will enable the participants to apply the ICAO training organization assessment guidelines, in order to prepare their training organization to meet and maintain operational and quality standards for ICAO recognition.

**Developed by** International Civil Aviation Organization (ICAO)

## VALIDATING COMPETENCY-BASED TRAINING (VCT)

Language EN & SP Delivery Classroom **Course Description** This course will provide training centres with internal validation capabilities for the development and evaluation of competency-based training.

**Developed by** International Civil Aviation Organization (ICAO)



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ITP 215/03/ICAO TMC

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Training Mana Course (TMC)





# STANDARDIZED TRAINING PACKAGE (STP)

Course Name	Delivery	Language	Duration	Developed by	Country
Aviation English Level 3 for Civil Aviation Professionals	Classroom	English	5 days	Agência Nacional de Aviação Civil (ANAC)	Brazil
On-the-Job Training Instructor	Classroom	English	5 days	Gulf Center for Aviation Studies (GCAS)	United Arab Emirates







For information on the ICAO Global Aviation Training office, contact or visit us at www.icao.int/training

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