GANS
Global Air Navigation Services

TRAINING CENTRE

COURSE CATALOGUE

EDITION 20

ACTVET Licence: 0625/2017

ICAO · OACI · ИКАО

TRAINAIR PLUS

ICAO

REGIONAL CENTRE OF EXCELLENCE

GANS

Global Air Navigation Services

Introduction

The GANS Training Centre, located in Al Ain, is a U.A.E. General Civil Aviation Authority (GCAA) State Regulatory Approved Air Traffic Service Training Organisation (ATS TO) under certificate No. U.A.E. 01/2011 and English Language Proficiency Training and Testing Organisation (ELP TO). It is also an approved EUROCONTROL ELPAC test centre. The Training Centre is recognized by ICAO as a TRAINAIR PLUS Regional Training Centre of Excellence (RTCE) and Licensed by Abu Dhabi Centre for Technical and Vocational Education and Training (ACTVET). We offer a range of aviation, air traffic management (ATM) training, comprising of virtual-classroom, classroom and simulator instruction.

This catalogue provides details of our 2023 ATM courses. We are continually updating our course portfolio to meet client demands and will update the catalogue when new courses become available.

Virtual-classroom Virtual Instructor-Led Training (VILT)

GANS Training Centre has embraced virtual-classroom Virtual Instructor-Led Training (VILT), and many of the theory sections of the courses offered will be taught partially or fully via E-learning. This allows for the convenience and safety of all participants while maintaining the same high standards of instruction.

Course Reservations

Please refer to the GANS Course Schedule for course dates and times: ATM Training Services | Global Air Navigation Services (gans.aero)

Where possible, customers are requested to make course reservations 3 months ahead of scheduled course dates. This will allow additional course capacity to be offered to all customers.

Course reservations and bookings should be requested through the course administration office via the following e-mail addresses provided in the footer of this document.

Additional Training Requirements

Should customers have any additional training requirements not covered by our standard courses, please contact our administration team who will assist you in designing your training requirements. The course administration team can be contacted via the above email address or the phone numbers below.

Course Administration Office: +971 3 799 6478 / 6533 / 6531

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GCAA APPROVED
COURSES

Course Aim

This course targets trainees who wish to pursue a career in air traffic control.

Trainees will be equipped with the necessary fundamental knowledge, skills and attitude to enable progression to either on-the-job training as an ATC Assistant, or to rating training.

The course can also benefit trainees who need to gain further in-depth knowledge in air traffic control and air traffic management.

Course Information

Duration

- 70 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- A demonstrated English language ability equal to an IELTS level 5.5 or greater; or ICAO ELP level 4 or above.

Overview

Course Modules

- Aviation Law
- Air Traffic Management
- Meteorology
- Navigation
- Aircraft
- Human Factors
- Equipment and Systems
- Professional Environment
- Aerodromes

Objectives

Theory (60 days)

Trainees will be able to demonstrate sufficient knowledge of the topics detailed in ICAO Annex 1 to achieve the standard nominated by the participants' ATS State Regulatory Authority.

Practical (10 days)

In a simulated environment, trainees will be able to provide Air Traffic Control Assistant services at an Air Traffic Services Unit. They will apply the knowledge, skills and attitudes required to support the safe, orderly and expeditious air traffic services at a controlled Units.

ICAO 052

Aerodrome Control (ADC)

Course Aim

This course is for personnel who wish to become air traffic controllers in a tower environment. Trainees will be equipped with the knowledge and skills to enable them to progress to on-the-job training, aiming to achieve an Air Traffic Control Licence with an Aerodrome Control rating.

Course Information

Duration

- 60 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- Recommended English language ability equal to an IELTS level 5.5 or greater; or ICAO ELP level 4 or above.

- Successful completion of a Basic ATC (ICAO 051) course.

Overview

Course Modules

- Aviation Law
- Air Traffic Management
- Abnormal and Emergency Situations
- Human Factors
- Practical skills

Objectives

Theory (10 days)

Trainees will be able to demonstrate knowledge and understanding of subjects detailed in ICAO Doc 4444 and Annex 1, to the standard required by the trainee's State Regulatory Authority.

Practical (50 days)

In a simulated environment, trainees will be able to provide Tower and Ground Movement Control at an Air Traffic Services Unit. They will apply the knowledge, skills and attitudes required to deliver safe, orderly and expeditious air traffic services at a controlled aerodrome.

GANS Global Air Navigation Services

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GENERAL CIVIL AVIATION AUTHORITY

Course Aim

To provide trainees with the knowledge, skills and attitude to enable progression to on-the-job training with the aim of obtaining an ATC Licence/Certificate of Competence with an Approach Control Procedural rating.

Course Information

Duration

- 35 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- Recommended English language ability equal to an IELTS level 5.5 or greater; or ICAO ELP level 4 or above.

- Successful completion of a Basic ATC (ICAO 051) course.

Overview

Course Modules

- Aviation Law
- Air Traffic Management
- Abnormal and Emergency Situations
- Human Factors
- Practical skills used in the provision of an approach control procedural services.

Objectives

Theory (10 days)

Trainees will be able to demonstrate knowledge and understanding of subjects detailed in ICAO Annex 1 and ICAO Doc 4444, to the standard required by the trainees' State Regulatory Authority.

Practical (25 days)

In a simulated environment, trainees will apply operational planning control techniques and procedures to ensure a safe, orderly and expeditious service to arriving, holding, departing and transiting aircraft. They will manage the workload within the specified approach area of responsibility.

ICAO 054

Approach Control Surveillance (APS)

Course Aim

To provide trainees with the knowledge, skills and attitude to enable progression to on-the-job training with the aim of obtaining an ATC Licence/Certificate of Competence with an Approach Control Surveillance rating.

Course Information

Duration

- 55 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- Recommended English language ability equal to an IELTS level 5.5 or greater; or ICAO ELP level 4 or above.

- Successful completion of a Basic ATC (ICAO 051) course.

Overview

Course Modules

- Aviation Law
- Air Traffic Management
- Abnormal and Emergency Situations
- Human Factors
- Electronic surveillance equipment and systems
- Practical skills used in the provision of an approach control service using ATS electronic surveillance equipment

Objectives

Theory (10 days)

Trainees will be able to demonstrate knowledge and understanding of subjects detailed in ICAO Annex 1 and ICAO Doc 4444, to the standard required by the trainee's State Regulatory Authority.

Practical (45 days)

In a simulated environment, trainees will apply operational radar and planning control techniques and procedures to ensure a safe, orderly and expeditious service to arriving, holding, departing and transiting aircraft. They will manage the workload within the specified APS area of responsibility.

Course Aim

To provide trainees with the knowledge, skills and attitude to enable progression to on-the-job training with the aim of obtaining an ATC Licence/Certificate of Competence with an Area Control Surveillance rating.

Course Information

Duration

- 55 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- Recommended English language ability equal to an IELTS level 5.5 or greater; or ICAO ELP level 4 or above.

- Successful completion of a Basic ATC (ICAO 051) course.

Overview

Course Modules

- Aviation Law
- Air Traffic Management
- Abnormal and Emergency Situations
- Human Factors
- Practical skills used in the provision of an approach control service using ATS electronic surveillance equipment

Objectives

Theory (10 days)

Trainees will be able to demonstrate knowledge and understanding of subjects detailed in ICAO Annex 1 and ICAO Doc 4444, to the standard required by the trainee's State Regulatory Authority.

Practical (45 days)

In a simulated environment, trainees will apply operational radar and planning control techniques and procedures to ensure a safe, orderly and expeditious service to arriving, holding, departing and transiting aircraft. They will manage the workload within the specified ACS area of responsibility.

ICAO 055

Area Control Procedural (ACP)

Course Aim

To provide trainees with the knowledge, skills and attitude to enable progression to on-the-job training with the aim of obtaining an ATC Licence/Certificate of Competence with an Area Control Procedural rating.

Course Information

Duration

- 45 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- Recommended English language ability equal to an IELTS level 5.5 or greater; or ICAO ELP level 4 or above.

- Successful completion of a Basic ATC (ICAO 051) course.

Overview

Course Modules

- Aviation Law
- Air Traffic Management
- Abnormal and Emergency Situations
- Human Factors
- Practical skills used in the provision of an Area Control Procedural service.

Objectives

Theory (10 days)

Trainees will be able to demonstrate knowledge and understanding of subjects detailed in ICAO Annex 1 and ICAO Doc 4444, to the standard required by the trainee's State Regulatory Authority.

Practical (35 days)

In a simulated environment, trainees will apply operational planning control techniques and procedures to ensure a safe, orderly and expeditious service to arriving, holding, departing and transiting aircraft. They will manage the workload within the specified ACS area of responsibility.

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GENERAL CIVIL AVIATION AUTHORITY

Course Aim

To provide participants holding an ATC Licence/Certificate of Competence with endorsement as On-the-Job Training Instructors.

Course Information

Duration

- 8 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- Air traffic controller or other ATM personnel with at least two years of operational experience.

Overview

Course Modules

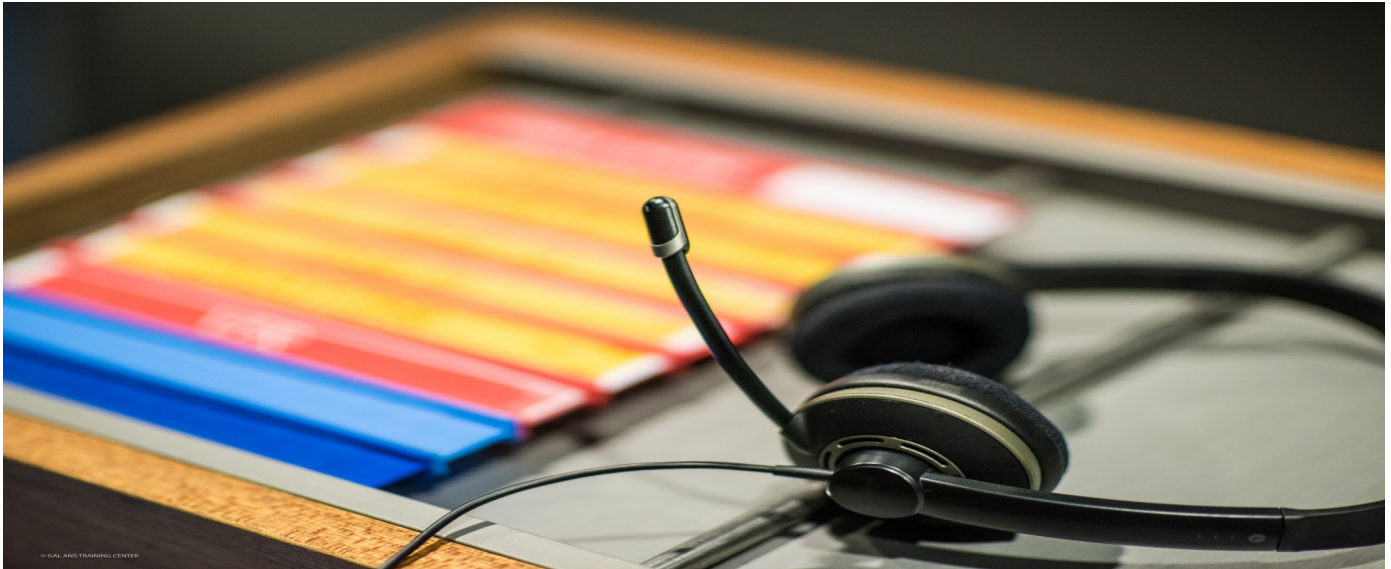- Training Organisation
- Human Factors
- Training Techniques
- Practical Training

Objectives

Theory (3 days)

Trainees will be able to demonstrate knowledge and understanding of subjects detailed in Eurocontrol's *Guidelines for ATCO Development Training OJTI* course syllabus, ICAO Annex 1 (or equivalent). Note: effective 2024, will comply with ICAO Doc 10056 Vol II.

Practical (5 days)

In a simulated environment, trainees will demonstrate practical skills associated with on-the-job training instruction, including interpersonal and communication skills.

Course Aim

This training reinforces and updates the knowledge and skills of on-the-job training instructors through classroom activities and practical exercises.

Course Information

Duration

- 2 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- Holds/has previously held an OJTI endorsement.

Overview

Course Modules

- Human Factors
- OJTI & Assessment Techniques

Objectives

Participants will:

- review their understanding of human factors relevant to OJT

- review and discuss current OJTI techniques

- review and discuss the role of safety regulations in OJT

- analyse the assessment process

ELP Standard
English Language Proficiency Testing

Test Aim

This English language proficiency test meets GCAA regulatory requirements. It is aimed at air traffic controllers and pilots based in the UAE to demonstrate proficiency in English up to and including level 5 proficiency. The test reflects the range of communication tasks found in the working aviation environment.

Course Information

Duration

- 2 Hours

Location

- GANS Training Centre, Al Ain, UAE

Entry Criteria

Nil, however candidates are strongly advised to prepare for the test by visiting and conducting practice exercises at:

http://elpac.eurocontrol.int/

Overview

Paper 1 Listening Comprehension

Tests understanding of pilot-to-controller and controller-to-controller communications in routine and non-routine situations.

Paper 2 Oral Interaction

Three different tasks assess the controller's or pilot's language proficiency in radio and face-to-face communication.

Objectives

Candidates will be able to demonstrate proficiency in:

- pronunciation
- grammatical structures
- vocabulary
- fluency
- comprehension

ELP Extended

GCAA English Language Proficiency Level 6 Testing

Test Aim

This English language proficiency test meets GCAA regulatory requirements. It is aimed at air traffic controllers and pilots based in the UAE to demonstrate proficiency in English at level 6. The test reflects the range of communication tasks found in the working aviation environment.

Course Information

Duration

- 2 Hours

Location

- GANS Training Centre, Al Ain, UAE

Entry Criteria

Candidates who have achieved level 5 proficiency in the standard ELP test. The extended test must be taken within 3 months of achieving level 5 in the standard ELP test.

Overview

Listening Comprehension & Oral Interaction

Four different tasks assess the controller's or pilot's language proficiency in radio and face-to-face communication. The test-taker will describe, compare, summarize, answer questions, resolve apparent misunderstandings, and modify their language to assist someone who is less proficient in English.

Objectives

Candidates will be able to demonstrate their ability to:

- identify misunderstandings;
- successfully resolve misunderstandings;
- deal effectively with the controller/pilot relationship by asking and clarifying;
- successfully negotiate meaning
- understand idiomatic language;
- avoid using idiomatic language;
- identify ambiguity;
- avoid ambiguity;
- accommodate a weaker speaker by adapting the level of language to that of the interlocutor.

GENERAL CIVIL AVIATION AUTHORITY

Course Aim

To provide air traffic controllers with the knowledge and skills required to obtain regulatory approval as ATC Examiners and/or Local Competency Examiners.

Course Information

Duration

- 5 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- Hold an ATC rating

Overview

Course Modules

- Written Assessment
- ATC Examiner Overview
- Tape Review
- Written Examinations
- Practical Assessment
- Oral Examinations
- Report Writing
- Practical Exercises

Objectives

To demonstrate knowledge and understanding of:

- ICAO and State Regulatory rules and regulations pertaining to ATC licensing

- the administration and development of written, oral and practical CoC examinations

Course Aim

Training designed to refresh the knowledge and fundamental skills of the ATS Examiner. This will ensure a high level of performance in their examiner role at the ATCU in accordance with the CARs part VIII Subpart 4.

Course Information

Duration

- 2 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- The participant holds/has previously held an Examiner/Local competency Examiner endorsement.

Overview

Course Modules

- Brief and practical examination
- Oral examination and debrief
- The written examination
- Report writing
- Practical Exercises

Objectives

Participants will be able to:

- demonstrate comprehensive knowledge of ICAO and State Regulatory rules and regulations pertaining to ATC licensing

- demonstrate comprehensive knowledge and understanding of the administration and development of written, oral and practical CoC examinations.

Course Aim

This course targets trainees who wish to understand at a basic level, Fatigue and Stress and manage activities to mitigate them in an operational environment, in order to ensure relevant personnel are performing at adequate levels of alertness.

Trainees will be equipped with the necessary fundamental knowledge, skills and attitude that will enable them to identify and manage fatigue and stress in the ATC environment.

Course Information

Duration

- 2 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- A demonstrated English language ability equal to an IELTS level 6 or greater; or
- ICAO ELP level 4 or above

Overview

Course Modules

- Induction
- Sleep and the Sleep Cycle
- Reducing or Eliminating Fatigue
- Reducing or Eliminating Stress

Objectives

Participants will be able to:

- Trainees will be able to demonstrate sufficient knowledge of the topics detailed in ICAO Doc. 9966 to achieve the standard nominated by the participants' State Regulatory Authority.

GANS COURSES

Global Air Navigation Services

Performance Based Navigation
(PBN) For Air Traffic Controllers (GANS)

Course Aim

To provide trainees with the knowledge and skills necessary for the provision of Air Traffic Services based on performance-based navigation (PBN).

Course Information

Duration

- 1 Training Day

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- Recommended English language ability of ICAO ELP level 4 or above.
- An ATS licence with the appropriate rating.

Overview

Course Modules

- Introduction to performance-based navigation (PBN)
- Global navigation satellite system
- Application of PBN to air traffic management
- Performance-based navigation approaches
- PBN concept

Objectives

- Demonstrate understanding of the concept and principles of performance-based navigation (PBN) in a particular airspace
- Demonstrate understanding of performance-based navigation (PBN) with specific reference to the application of procedures and principles relating to RNAV, RNP and GNSS operations in day-to-day tasks

ECT

Emergency Continuation Training (GANS)

Course Aim

To refresh and enhance Air Traffic Control Officers' knowledge and skills associated with the management of unusual/degraded/emergency situations.

Course Information

Duration

- 1 Training Day

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- Hold an ATC rating

Overview

Course Modules

- Theory

- Simulator exercise

Objective

To be able to submit evidence to the appropriate authority of compliance with UAE CAR Part VIII Subpart 4.

Unit Training Officer
UTO (GANS)

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Course Aim

This course is designed for ATS officers wishing to fulfil the role of Unit Training Officers, or who have been appointed to the position. Participants will gain the knowledge and skills to produce, develop and maintain unit level ATC training.

Course Information

Duration

- 2 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- Successful completion of an aviation regulator approved OJTI course

Overview

Course Modules

- Unit training officer duties and responsibilities
- Training and Certification Manual.
- Training records
- Safety management systems (SMS)
- Training ethics
- Assessments

Objectives

To demonstrate knowledge and understanding of:

- the duties of a UTO
- the content and scope of unit TCM's
- examination preparation and provision
- maintenance of unit training records
- ethical standards in a training environment
- safety management systems (SMS)

Train the Trainer
Classroom Instructor (GANS)

Course Aim

This interactive, practical course introduces Subject Matter Experts to a comprehensive range of teaching strategies and techniques which will equip them to provide effective instruction in a classroom environment.

Course Information

Duration

- 5 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- Recommended English language ability equal to an IELTS level 5.5 or greater; or ICAO ELP level 4 or above.

Overview

Course Modules

- The characteristics of adult learners
- The qualities of a good trainer
- Communication
- An optimal classroom environment
- Learning styles
- Writing training objectives
- Planning effective training
- Implementing active learning
- Effective questioning techniques
- Summative assessment
- Effective feedback
- Instructing in a second language environment
- Digital tools
- The value of wall displays

Objectives

Participants will plan and prepare a lesson which incorporates some of the teaching techniques covered on the course. They will demonstrate their instructional skills by teaching part of the lesson to other course participants.

Train the Trainer
Classroom Instructor - Refresher (GANS)
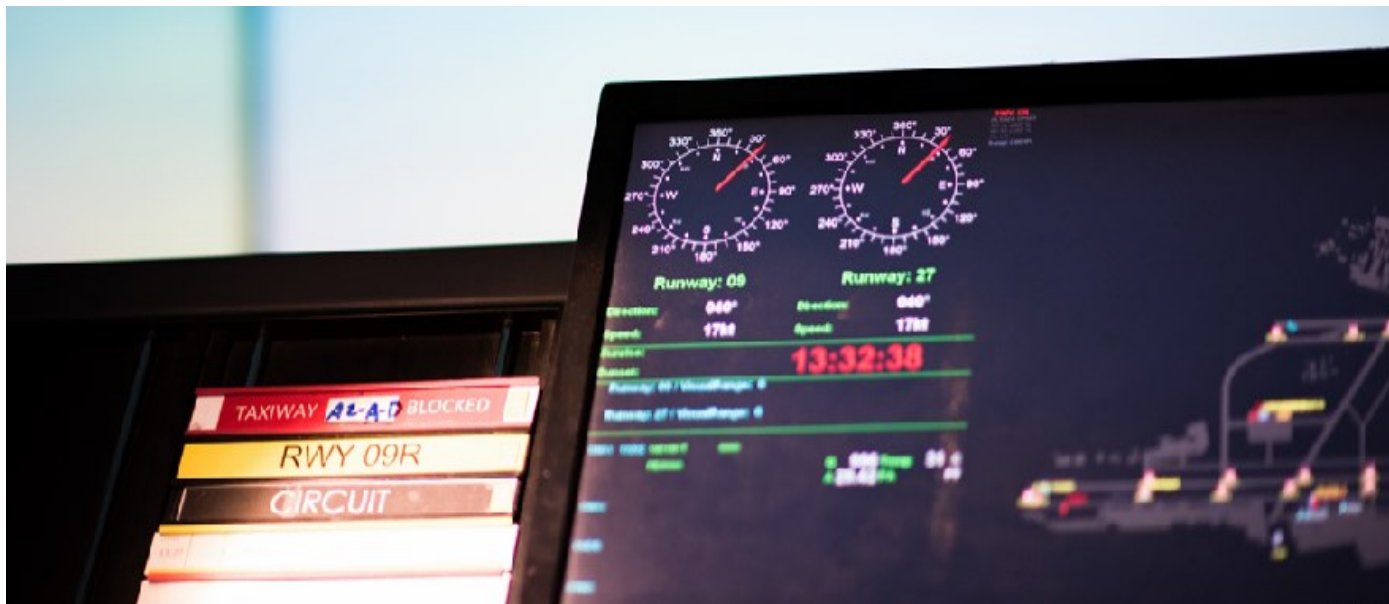
Course Aim

Interactive, practical lessons and activities review and consolidate Subject Matter Experts' understanding of a range of classroom teaching strategies and techniques.

Course Information

Duration

- 2 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- The participant has previously attended a Train the Trainer course or similar instructional techniques course.

Overview

Course Modules

- Classroom Environment
- Communication
- Learning Styles
- Motivation
- Effective PowerPoints
- Active Learning
- Questioning Techniques
- Assessment for Learning
- Practical Exercises

Objectives

To enable participants to appraise their existing classroom teaching practice, and apply effective techniques and strategies when delivering classroom-based instruction.

Aviation Communication 1

Pre-Intermediate (GANS)
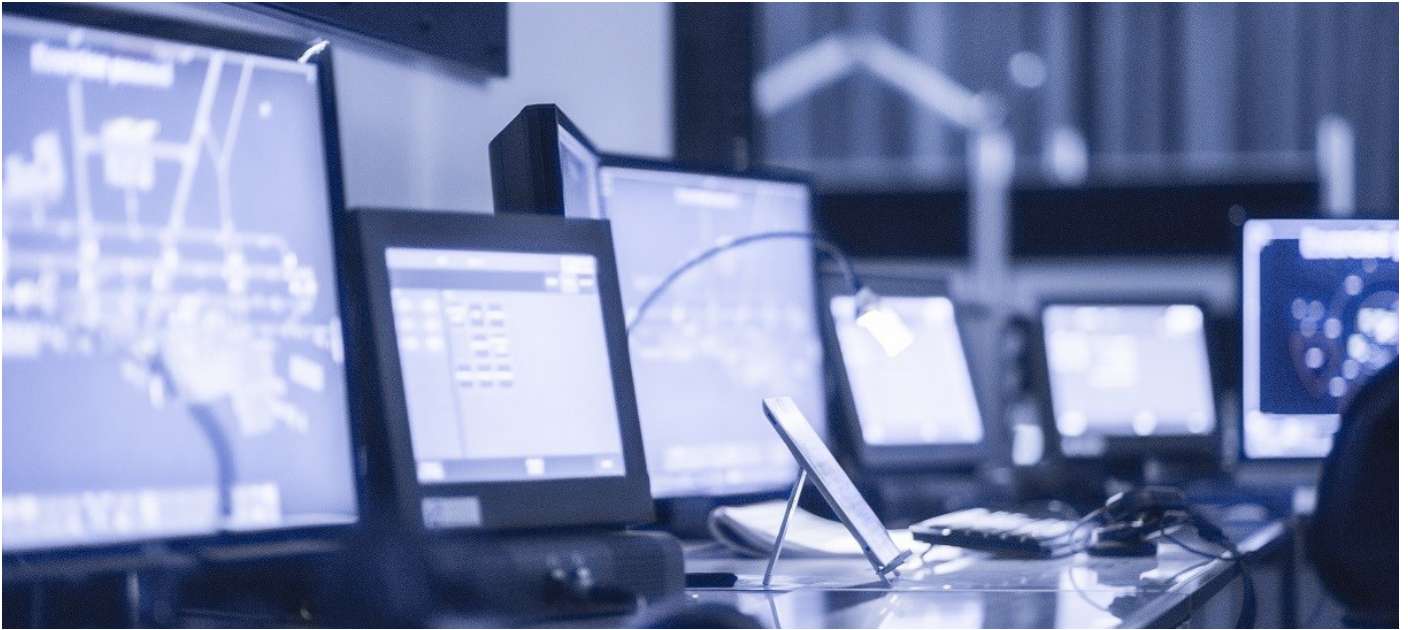
Course Aim

The training provides an English language foundation as preparation for new trainees who do not yet have the English language level required to begin the ICAO 051 Basic ATC course.

This course is paired with Aviation Communication 2 Intermediate.

Course Information

Duration

- 60 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

A demonstrated English language ability equal to an IELTS level 4.0.

Overview

Course Modules

- Requests
- Sharing information
- Routines
- Culture and communication
- Descriptions
- Intentions
- Prediction and probability
- Reporting
- ICAO standard phraseology alphabet and numbers

Objectives

Upon successful completion of this course, trainees will have gained foundation English language knowledge and skills necessary to continue with aviation communication 2.

This foundation is consolidated and extended in the following course, Aviation Communication 2 Intermediate.

Aviation Communication 2

Intermediate (GANS)

Course Aim

This course is a continuation of the training begun in Aviation Communication 1 Pre-Intermediate.

The training provides an English language foundation as preparation for new trainees who do not yet have the English language level required to begin the ICAO 051 Basic ATC course.

Course Information

Duration

- 60 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

Successful completion of Aviation Communication 1 Pre-Intermediate.

Overview

Course Modules

- Choices
- Conditions
- Recalling information
- Location
- Past actions and events
- Future actions and events
- Prediction and probability
- Decisions
- ICAO standard phraseology alphabet and numbers

Objectives

Upon successful completion of this course, trainees will have gained a foundation of the English language knowledge and skills necessary to carry out communicative functions and tasks associated with aviation training.

Aviation Communication 3
Intermediate Plus (GANS)

Course Aim

This course enables new trainees to acquire the English language knowledge and skills required to begin the ICAO 051 Basic ATC course.

Course Information

Duration

- 60 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

A demonstrated English language ability equal to an IELTS level 4.5 – 5.0.

Overview

Course Modules

- Requests
- Recalling information
- Location
- Past actions and events
- Future actions and events
- Prediction and probability
- Reporting
- Decisions
- ICAO standard phraseology alphabet and numbers

Objectives

Upon successful completion of this course, trainees will have gained foundation English language knowledge and skills necessary to carry out communicative functions and tasks associated with aviation training.

Pre-051 Aviation Communication
(GANS)

Course Aim

This is a short preparatory course for new trainees intending to undertake ICAO 051 Basic ATC, for whom English is a second language. Trainees are introduced to aviation vocabulary and concepts, supporting their progression to technical training.

Course Information

Duration

- 12 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

English language proficiency: a minimum IELTS score of 5.5, or equivalent.

Overview

Course Modules

1. Aircraft

- Basic structural features of aircraft
- Basic features of aircraft engines
- The four forces
- Basic principles of aircraft movement
- Describing aircraft specifications
- Identification of some military and civil aircraft
- Cockpit instruments
- Compass directions
- Latitude and longitude

2. Aviation Communication

- The role of communication in safety
- Introduction to ICAO standard phraseology: alphabet, numbers, words and phrases
- ATC/pilot dialogues

Objectives

- Gain an understanding of basic aviation-related vocabulary and concepts.
- Carry out communicative tasks associated with aviation.

RTF and Aviation English

(GANS)

Course Aim

A short preparatory course to facilitate the acquisition of aviation language knowledge and skills necessary to function effectively and safely in an aviation environment.

Course Information

Duration

- 15 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

A minimum level of English language ability equivalent to IELTS 5.5 or CEFR B2.

Overview

Course Modules

- The basic features of aircraft.
- ICAO numbers, standard words and phraseology
- Use of plain English in unusual and/or emergency situations
- Wildlife hazards
- Medical emergencies
- Fire on board
- Problems at take-off and landings
- Rapid decompression and its effects on aircraft
- Bird strikes
- Fuel related incidents
- Navigation equipment failure

Objective

Gain an understanding of basic RTF used in ATC\Pilot communications and plain English used in abnormal/emergency situations.

RTF and Plain English for Pilots

(GANS)

Course Aim

A short preparatory course to facilitate the acquisition of aviation language knowledge and skills necessary to function effectively and safely in an aviation environment.

Course Information

Duration

- 2 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

A minimum level of English language ability equivalent to IELTS 5.5 or CEFR B2.

Overview

Course Modules

- The basic features of aircraft.
- ICAO numbers, standard words and phraseology
- Use of plain English in unusual and/or emergency situations
- Wildlife hazards
- Medical emergencies
- Fire on board
- Problems at take-off and landings
- Rapid decompression and its effects on aircraft
- Bird strikes
- Fuel related incidents
- Navigation equipment failure

Objective

Gain an understanding of basic RTF used in ATC\Pilot communications and plain English used in abnormal/emergency situations.

Test Aim

The English language and aptitude tests are designed to assess the suitability of candidates who would like to pursue a career in air traffic control.

Course Information

Duration

- 2 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

The minimum educational requirement is to have graduated from Secondary school.

Overview

Aptitude Test

- Abstract reasoning
- Space relations
- Reading dials
- Angles
- Calculations
- Applied spatial orientation
- Basic checking

English Language Test

- Basic grammar
- Listening comprehension
- Reading comprehension
- Speaking

Note: the listening, reading and speaking tests are similar to IELTS General Training examinations. Marks are reported as an IELTS-equivalent average band score.

ICAO 021
Aeronautical Information Services (AIS)

Course Aim

Training is designed to provide student with necessary knowledge, skills, and attitudes to ensure the flow of aeronautical data and information necessary for global air traffic management system safety, regularity, economy and efficiency in accordance with ICAO Annex 15 requirements.

Course Information

Duration

- 50 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- Successfully completed a basic ATC ICAO 051 course.

- Demonstrated or certified reading and writing skills in the English language equivalent to or better than IELTS level 5.5.

Overview

Course Modules

- Aeronautical Information Services
- AIS Functions
- General Data Management
- Static Data
- Dynamic Data
- Publications
- ARO Functions
- Coordination
- ATM and AIM concepts/strategies/technologies
- Transition from AIS to AIM
- Data Exchange Standards
- E-AIP
- AIS Training Development Guidelines
- Digital NOTAM
- Integrated Briefing
- Geographic Information System (GIS) Technology

Objectives

- Understand the responsibilities and functions of an AIS provider.
- Recognise the key components in the management of aeronautical information and data.
- Understand the transition of AIS to AIM as a requirement for SWIM implementation.
- Learn the role of the regulator for the regulation and safety oversight of AIS.
- Understand the role AIM plays within ICAO global Air Traffic Management Operational concept

ATS Supervisor
Refresher (GANS)

Course Aim

Training designed to refresh the knowledge and fundamental skills of the ATS Shift Supervisors. This will ensure a high level of performance in their supervisory role at the ATCU in accordance with the best practices.

Course Information

Duration

- 2 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- Recommended English language ability equal to an IELTS level 6.0 or greater; or ICAO ELP level 4 or above

- The participant has previously attended an ATS Supervisor course.

Overview

Course Modules

- HOW/TOW
- Watch log maintenance
- Staff management
- Managing routine, non-ABES ATS operations
- Managing ATS ABES Operational Events

Objectives

On successful completion of the training the participants will have the required knowledge and skills to perform the duties of ATS Shift Supervisor. Specifically they will be able to:

- perform HOW/TOW procedures and practices
- maintain the ATC Watch Log
- manage staff
- manage ATS operations

ATSEP

Air Traffic Safety Electronics Personnel

Course Aim

This course targets trainees who wish to understand at a basic level the CNS/ATM technical and operational environment. Health and Safety (HAS) Trainees will be equipped with the necessary fundamental knowledge, skills and attitude that will enable them to prove competent in the installation, operation and/or maintenance of a communications, navigation, surveillance CNS/ATM system.

Course Information

Duration

- 60 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

IELTS level 5.5 or greater; or ICAO ELP level 4 or above; Bachelor or Higher Diploma in: Electronics or Mechatronics, or Avionics or Communication Engineering.

Overview

Course Modules

- Induction
- Aeronautical Information Service (AIS)
- Air Traffic Familiarization (AIF)
- Communication (COM)
- Data Processing Automation (DPA)
- Functional Safety (FST)
- Health and Safety (HAS)
- Human Factors (HF)
- Information Systems Security (ISS)
- Infrastructure (INF)
- Maintenance Procedures (MTN)
- Meteorology (MET)
- Navigation (NAV)
- Safety (SAF)
- Surveillance (SU)
- System Monitoring and Control (SMC)

Objectives

Trainees will be able to demonstrate sufficient knowledge of the topics detailed in ICAO Doc. 10057 to achieve the standard nominated by the participants' State Regulatory Authority.

ICAO TRAINAIR PLUS
COURSES

ATS Supervisor

059/07/ATSSUP

Course Aim

This course provides participants with the knowledge and skills to perform the duties of a shift supervisor.

Course Information

Duration

- Classroom: 4 Training Days
- Virtual: 5 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- Recommended English language ability equal to an IELTS level 6.0 or greater; or ICAO ELP level 4 or above.

Overview

Course Modules

- Handover/takeover procedures
- Watch log maintenance
- Staff management
- Managing routine ATS operations
- Managing abnormal and emergency operational events

Objectives

Upon successful completion of the course, participants will be able to:

- manage handover/takeover procedures.
- apply procedures associated with the administration and management of routine operational shift activities at an ATS unit.
- apply procedures associated with the management of unusual/degraded/ emergency operational shift activities at an ATS unit.

ATC Facility Chief

Course Aim

To provide participants with the knowledge and skills to manage and administer an air traffic control facility in accordance with ICAO standards and recommended practices, and local regulations.

The training is most suitable for incumbent ATC facility chief post-holders, deputy facility chiefs, ATC shift supervisors, and senior managers.

Course Information

Duration

* 5 Training Days

Delivery mode

* Instructor-led (In-person and virtual)

Entry Criteria

* Recommended English language ability equal to an IELTS level 6.0 or greater; or ICAO ELP level 4 or above
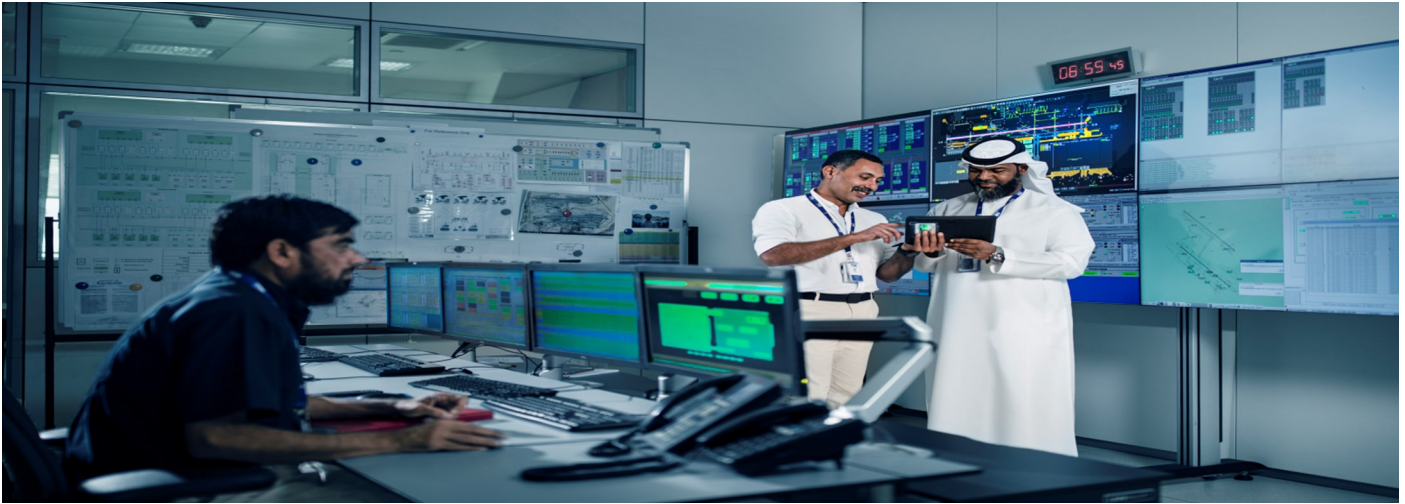
Overview

Course Modules

* ATS systems

* Administration tasks

Objectives

Upon successful completion of the course, participants will be able to:

* manage Air Traffic Services (ATS) systems

* perform administrative tasks and duties in accordance with the participant's company documents and good operating practices (GOPs).

Course Aim

To enable participants to perform the duties of an ATS Safety incident investigator.

The training is most beneficial for personnel involved in: ATS occurrence investigations, or responsible for accident investigation agencies and civil aviation administration; airport authorities/operators, air navigation providers, ATS systems engineers, military ATS operations, unit safety officers.

Course Information

Duration

- 5 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- A demonstrated English language ability equal to an IELTS level 6.0 or greater; or ICAO ELP level 5 or above

- Minimum of 5 years' experience as a licensed air traffic services provider; or

- Equivalent appropriate aviation industry qualification (e.g. pilot, avionics engineer etc.); **or**

- In an ab-initio role in safety investigation.

Overview

Course Modules

- Pre-course readings

- Evidence: collection and preservation

- Interview techniques

- Analysis of events

- Identification of causes and safety recommendations

Objectives

Upon successful completion of the course, participants will be able to investigate ATM incidents by applying effective problem-solving strategies to:

- collecting and preserving evidence;

- conducting interviews;

- analysing multiple pieces of evidence;

- appraising results from a reconstruction of events;

- developing a list of causes and safety recommendations.

Course Aim

To enable participants to refresh the duties of an ATS Safety incident investigator.

The training is most beneficial for personnel who have previously attended an ATM Incident Investigation Course or similar and are involved in: ATS occurrence investigations, or responsible for accident investigation agencies and civil aviation administration; airport authorities/operators, air navigation providers, ATS systems engineers, military ATS operations, unit safety officers.

Course Information

Duration

- 2 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- The participant has previously attended a ATM Incident Investigation Course or similar.

Overview

Course Modules

- Evidence: collection and preservation
- Interview techniques
- Analysis of events
- Identification of causes and safety recommendations
- Report writing
- Just culture
- Tape transcripts

Objectives

To enable participants to meet regulatory refresher requirements, appraise their existing incident investigation techniques and applying effective problem-solving strategies to:

- collecting and preserving evidence;
- conducting interviews;
- analysing multiple pieces of evidence;
- appraising results from a reconstruction of events;
- developing a list of causes and safety recommendations.

Course Aim

To enable Air Traffic Management Staff to conduct threat and error management in the workplace, and to perform as part of a team in accordance with GCAA requirements, ICAO Cir 314 AN/178 Threat and Error Management in Air Traffic and ICAO Doc 9683 Human Factors Training Manual.

The training is most beneficial for personnel involved in ATM systems such as manager ATS, ATS supervisor, air traffic controllers, unit training officers and safety officers.

Course Information

Duration

- 3 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- A demonstrated English language ability equal to an IELTS level 5.5 or greater; or ICAO ELP level 4 or above

Overview

Course Modules

- Threat and error
- Team resource management
- Situational awareness

Objectives

Upon successful completion of the course, participants will be able to:

- Identify threats, errors and undesired states;
- Manage threats and errors in the work environment;
- Perform effectively within the ATM;
- Manage situational awareness;

ATS Provision

Awareness for Pilots

Course Aim

The course will provide pilots with the necessary knowledge, skills and attitudes to coordinate effectively with air traffic controllers in order to maintain safe and expeditious air traffic services in accordance with ICAO Annex 11, ICAO Annex 2, ICAO Doc 4444 and GCAA CARs Part 8 Subpart 4.

Course Information

Duration

- 3 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- Have been accepted on to a pilot training program.

- Minimum level of ICAO 4 in English.

Overview

Course Outlines

- Identify the roles and responsibilities of an air traffic controller
- Appreciate how air traffic controllers maintain up to date information on flight progress
- Appreciate how separation standards are used to keep aircraft safe
- Determine the airspace classes used for air traffic control in aviation
- Determine situations which affect controller workload
- Determine coordination carried out by air traffic controllers
- Identify types of emergencies and unusual situations

Objectives

Upon successful completion of the course, participants will be able to:

- Comply with Air Traffic Control instructions
- Adhere to standard operating procedures (SOPs) in air traffic services (ATS) Understand the role AIM plays within ICAO global Air Traffic Management Operational concept .

Course Aim

The ICAO TRAINAIR PLUS Virtual Classroom Instruction (VCI) course provides instructors with the competencies required to deliver online courses, supporting the transition from teaching in a classroom to managing instruction within a virtual classroom.

Course Information

Duration

- 1 Training Day

Delivery mode

- Instructor-led (virtual)

Entry Criteria

- Be an instructor with at least 3 years of instructional experience within the last 5 years.

Overview

Course Outlines

- Module 1: Virtual-Instructor Competencies

Objectives

Upon successful completion of the course, participants will be able to:

- Prepare for a virtual classroom delivery
- Manage learning activities in a virtual classroom
- Deliver instruction effectively in a virtual classroom

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Course Aim

Course Information

The course provides civil aviation course developers with the competencies required to design and develop Standardized Training Packages (STPs), in accordance with the ICAO Doc 9941, Training Development Guide, Competency-based Training Methodology.

Duration

- 10 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- Experience in one or more civil aviation fields or in human resources development and training;
- Experience in the preparation of a wide range of training aids and their effective incorporation into a training programme (desirable);
- Computer skills using contemporary software programmes; and
- Good oral and written command of the language of instruction.

Overview

Course Outlines

- Module 1: Preliminary Study
- Module 2: Job Analysis
- Module 3: Population analysis
- Module 4: Design of Curriculum
- Module 5: Design of Modules
- Module 6: Production and Developmental Testing
- Module 7: Validation

Objectives

Upon successful completion of the course, participants will be able to:

- Conduct a preliminary study;
- Conduct a job analysis;
- Conduct a population analysis;
- Design the curriculum;
- Design the modules;
- Establish validity and reliability of tests;
- Establish validity of a training course.

Course Aim

The TMC course addresses the operational aspects of managing an aviation training organization that meets the required standards of operation, training delivery, and quality 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.

Course Information

Duration

- 5 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- Current or future management responsibility or decision authority within the training organization.

Overview

Course Outlines

- Module 1: Training Organization Setup
- Module 2: Training Organization Operations
- Module 3: Training Organization QMS

Objectives

Upon successful completion of the course, participants will be able to:

- Identify requirements for the establishment of an aviation training organization;
- Evaluate the level of compliance of a training organization with ICAO provisions; and
- Develop an action plan to ensure compliance of a training organization with relevant international requirements.

Course Aim

The PTE course trains personnel on how to implement the TRAINAIR PLUS post-training evaluation methodology. The purpose of the methodology is to obtain quantitative and qualitative data on the impact of training on job performance. Results provide valuable information on the course effectiveness to all stakeholders.

Course Information

Duration

- 5 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

Any individual involved in the current or future tasks related to the preparation of courses implementing a methodology based on competencies, related to the management of the academic processes in a training centre and the activities related to the implementation of quality systems in the instruction and/or a person dedicated to the tasks of delivering courses in any aviation specialty.

Overview

Course Outlines

- Module 1: Fundamentals of the TRAINAIR Plus PTE Methodology

- Module 2: Level 3 PTE Procedures and Tools

- Module 3: Implementing Level 3 PTE

Objectives

Upon successful completion of the course, participants will be able to:

- apply the theoretical and practical framework of the TRAINAIR PLUS Level 3 post-training evaluation (L3PTE) methodology;

- apply Level 3 post-training evaluation procedures;

- adjust the Level 3 post-training evaluation scale to course specific requirements; and

- Issue a Level 3 Post-Training Evaluation Report

Course Aim

To provide participants with basic instructional skills, knowledge and techniques, as well as contemporary methods, which will enable them to prepare and be ready to deliver training courses in an efficient and effective way.

Course Information

Duration

- 5 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- Pre-service and in-service trainers with little or no formal training background.

Overview

Course Outlines

- Module 0: Introduction
- Module 1: Preparation of Training Facility
- Module 2: Management of trainees
- Module 3: Delivery of the course
- Module 4: Performing Trainee Evaluation
- Module 5: Evaluating Training Effectiveness

Objectives

Upon successful completion of the course, participants will be able to:

- Prepare the training environment and ensure adequate facilities and equipment;
- Effectively manage and assess the trainees;
- Determine appropriate methods of – and approaches to – instruction;
- Write a course delivery report.

Course Aim

This course will provide instructors with the competencies to deliver competency-based courses in a classroom, in accordance with the ICAO Adapted Instructor Competency Model.

The Training Instructors Course is a two-part course that will enable participants to methodically conduct training courses in accordance with ICAO Adapted Instructor Competency Model and develop the required training strategies for course delivery. The TIC will train instructors to deliver courses based on the TRAINAIR PLUS methodology, as well as conventional courses.

Course Information

Duration

- 5 Training Days

Delivery mode

- Instructor-led (In-person and virtual)

Entry Criteria

- University degree or equivalent qualifications and experience in one or more civil aviation field(s) or in adult learning development and training;
- Computer skills using contemporary software programmes; and
- Good oral and written command of the language of instruction.
- Successful completion of the online ICAO/ JAA TO STP Instructional Techniques Course (TIC– Part 1) is mandatory to enrol in TIC–Part 2. For optimal learning purposes, the TIC-Part 1 should be completed a maximum of 6 months prior to attending the TIC-Part 2.

Overview

Course Outlines

- Module 0: Introduction
- Module 1: Preparing for Instruction
- Module 2: Training Delivery
- Module 3: Training Evaluation

Objectives

Upon successful completion of the course, participants will be able to:

- Complete course preparation procedures using corresponding checklists;
- Apply instructor competencies in the delivery of a classroom training session;
- Evaluate the training session.

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