

Air Navigation Services

Air Traffic Control



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Saudi Academy of Civil Aviation Air Traffic Control

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Saudi Academy of Civil Aviation

It is a leading educational entity in the Kingdom of Saudi Arabia, established in 1962 as a technical training institute in 2007 for a specialized academy offering a set of specialized diploma programs and training courses that suit the needs of the Aviation Sector and contribute to qualification and training of human resources working to support 27 airports in the Kingdom.

The programs and courses offered by the academy include the following specializations:

Air Traffic Control - Maintenance of Aviation Systems - Fire and Rescue - Airport Operation and Safety - Aviation Security.

ANS Training Center – ATC Training

ANS Training Center – ATC Training is to qualify and develop air traffic controllers manage and control aircraft on ground and in the air in order to prevent collisions, organize and expedite the flow of air traffic, and provide information and other support for pilots.

Equipment and Facilities

The center depends, in the training process, on six simulated labs simulating the reality of air traffic at the highest level of technology used, as these labs are programmed to perform all the roles that may be experienced by the air traffic controller in practical life, such as weather fluctuations as well as the different aircraft types simulated in their sizes and emergency situations that may occur.

The Center also invests the resources that have been provided to support its training programs, by entering computer-based self-training technology (Computer-Based Training “CBT”) to refine the student’s skills and develop his capacities.

ANS Training Center ATC Training Accreditations

- Endorsed as ICAO TRAINAIR PLUS Full member
- Authorized by the General Authority of Civil Aviation (GACA).

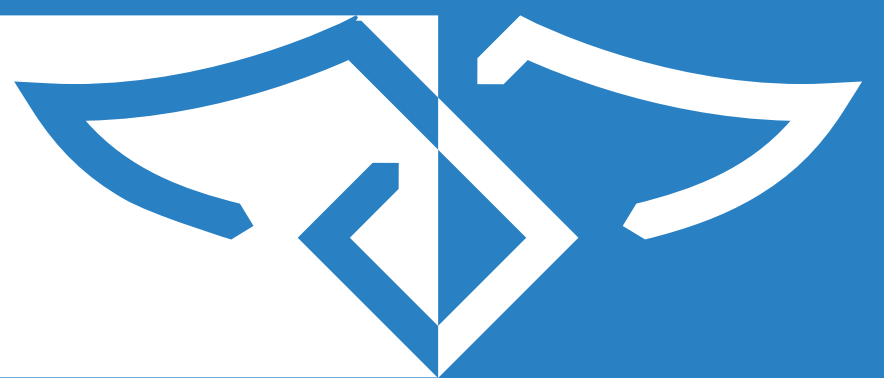
Specialized Courses

- ATC Assistant / Basic Induction course (ICAO 051).
- Aerodrome Control Rating course (ICAO 052).
- Approach Control Procedural Rating course (ICAO 053).
- Approach Control Surveillance Rating course (ICAO 054).
- Area Control Procedural Rating course (ICAO 055).
- Area Control Surveillance Rating course (ICAO 054).



ICAO Regional
Aviation Security
Training Center





Course

ATC Assistant / Basic Induction
(ICAO 051).



• What you will learn?

- Fundamental knowledge, skills, and attitude in accordance with international and national standards and regulations to continue on to an ATC rating course - Aerodrome Control, Approach Control, or Area Control.



• Learning Activities

- Lectures
- Presentation
- Group exercises



• Who should attend?

- Prospective air traffic controllers



• Course Language.

- English



• Duration.

- 8 Weeks (8 – 12 trainees)



• What is covered?

- Aviation Law
- Equipment
- Aerodromes
- Aircraft
- Meteorology
- Air Traffic Management
- Navigation
- Human Factor
- Abnormal and Emergency Situations
- Professional Environment



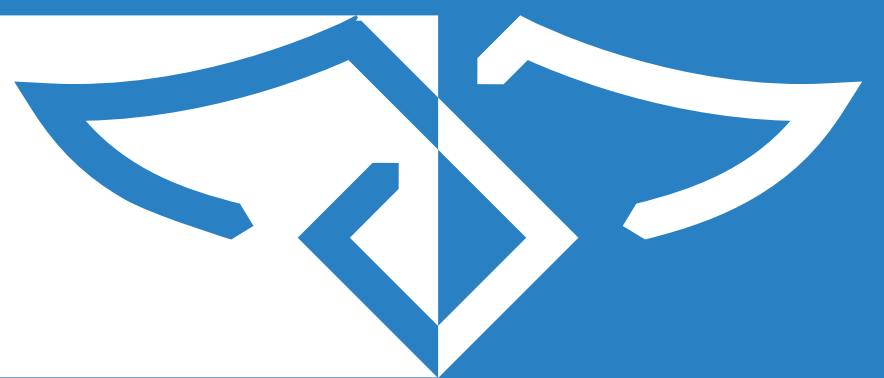
• Assessment and Certification.

- Approved by GACA



• Prerequisites

- High school graduate (scientific branch)
- Good command of English equivalent to IELTS 5.5



Course

Aerodrome Control Rating (ICAO 052).



• What you will learn?

- Fundamental knowledge, skills and attitude in accordance with international and national standards and regulations to be able acquire the aerodrome controller License.



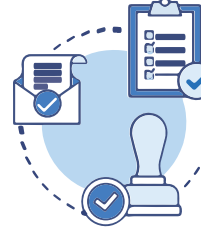
• Assessment and Certification.

- Passing Grade is 80% of the Final Exam.



• Learning Activities

- Lectures
- Presentation
- Simulation Exercises



• Prerequisites

- ATC Assistant / Basic Induction course (ICAO 051).
- Good command of English equivalent to IELTS 5.5



• Who should attend?

- Prospective air traffic controllers



• Course Language.

- English



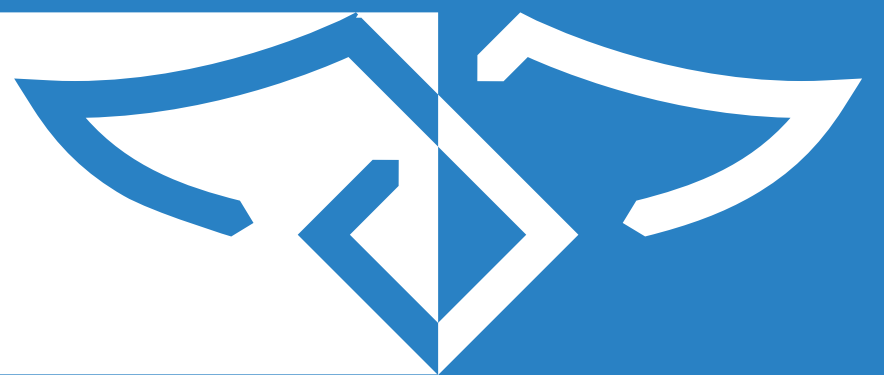
• Duration.

- 8 Weeks (8 – 12 trainees)



• What is covered?

- Aviation Law
- Equipment
- Aerodromes
- Aircraft
- Meteorology
- Air Traffic Management
- Navigation
- Human Factor
- Abnormal and Emergency Situations
- Professional Environment



Course

Approach Control Procedural Rating
(ICAO 053).



• What you will learn?

- Fundamental knowledge, skills and attitude in accordance with international and national standards and regulations to be able acquire the Approach Non- Surveillance controller License



• Learning Activities

- Lectures
- Presentation
- Simulation Exercises



• Who should attend?

- Prospective air traffic controllers



• Course Language.

- English



• Duration.

- 6 Weeks (8 – 12 trainees)



• What is covered?

- Aviation Law
- Equipment
- Aerodromes
- Aircraft
- Meteorology
- Air Traffic Management
- Navigation
- Human Factor
- Abnormal and Emergency Situations
- Professional Environment



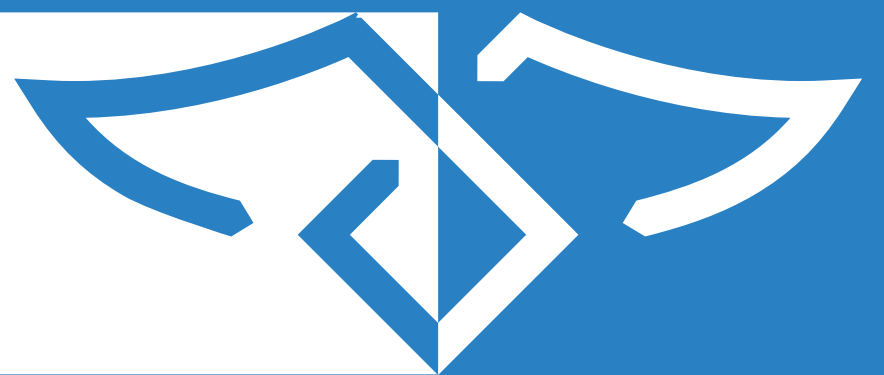
• Assessment and Certification.

- Approved by GACA



• Prerequisites

- ATC Assistant / Basic Induction course (ICAO 051).
- Good command of English equivalent to IELTS 5.5



Course

Approach Control Surveillance Rating
(ICAO 054).



• What you will learn?

- Fundamental knowledge, skills and attitude in accordance with international and national standards and regulations to be able acquire the Approach Surveillance controller License.



• Learning Activities

- Lectures
- Presentation
- Simulation Exercises



• Who should attend?

- Prospective air traffic controllers



• Course Language.

- English



• Duration.

- 9 Weeks (8 – 12 trainees)



• What is covered?

- Aviation Law
- Equipment
- Aerodromes
- Aircraft
- Meteorology
- Air Traffic Management
- Navigation
- Human Factor
- Abnormal and Emergency Situations
- Professional Environment



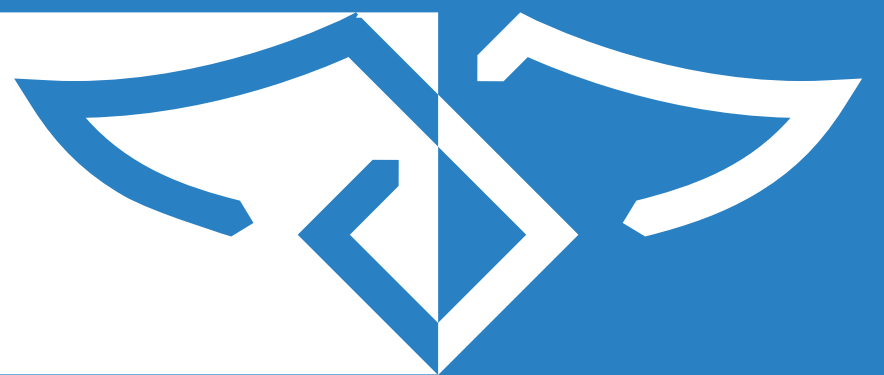
• Assessment and Certification.

- Approved by GACA



• Prerequisites

- ATC Assistant / Basic Induction course (ICAO 051).
- Good command of English equivalent to IELTS 5.5



Course

Area Control Procedural Rating
(ICAO 055).



• What you will learn?

- Fundamental knowledge, skills and attitude in accordance with international and national standards and regulations to be able acquire the Area Non- Surveillance controller License.



• Learning Activities

- Lectures
- Presentation
- Simulation Exercises



• Who should attend?

- Prospective air traffic controllers



• Course Language.

- English



• Duration.

- 6 Weeks (8 – 12 trainees)



• What is covered?

- Equipment
- Aircraft
- Abnormal and Emergency Situations
- Meteorology
- Air Traffic Management
- Aviation Law
- Navigation
- Human Factor
- Professional Environment



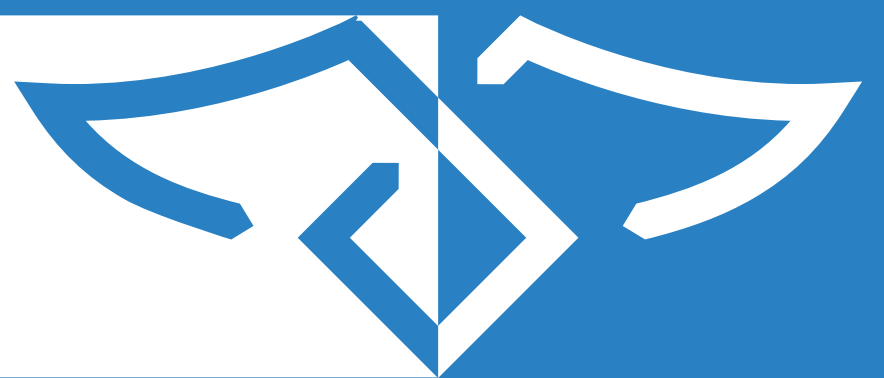
• Assessment and Certification.

- Approved by GACA



• Prerequisites

- ATC Assistant / Basic Induction course (ICAO 051).
- Good command of English equivalent to IELTS 5.5



Course

Area Control Surveillance Rating
(ICAO 054).



• What you will learn?

- Fundamental knowledge, skills and attitude in accordance with international and national standards and regulations to be able acquire the Area Surveillance controller License.



• Learning Activities

- Lectures
- Presentation
- Simulation Exercises



• Who should attend?

- Prospective air traffic controllers



• Course Language.

- English



• Duration.

- 9 Weeks (8 – 12 trainees)



• What is covered?

- Equipment
- Aircraft
- Abnormal and Emergency Situations
- Meteorology
- Air Traffic Management
- Aviation Law
- Navigation
- Human Factor
- Professional Environment



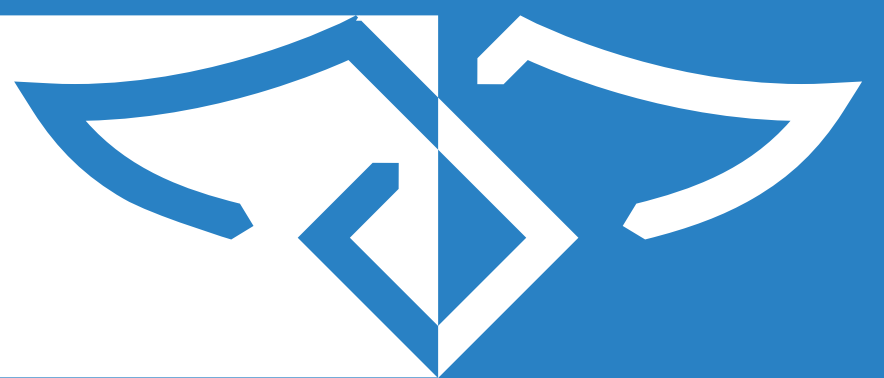
• Assessment and Certification.

- Approved by GACA



• Prerequisites

- ATC Assistant / Basic Induction course (ICAO 051).
- Good command of English equivalent to IELTS 5.5



Course

Aerodrome Control Refresher



• What you will learn?

- ICAO standards and recommended practices for Aerodrome Controllers in order to effectively and efficiently control air traffic within aerodrome sector.



• Assessment and Certification.

- Approved by GACA



• Learning Activities

- Lectures
- Presentation
- Simulation Exercises
- Case-studies



• Who should attend?

- Aerodrome Controllers
- OJT instructors & Tower Supervisors



• Course Language.

- English



• Duration.

- 3 Weeks (90 hours)



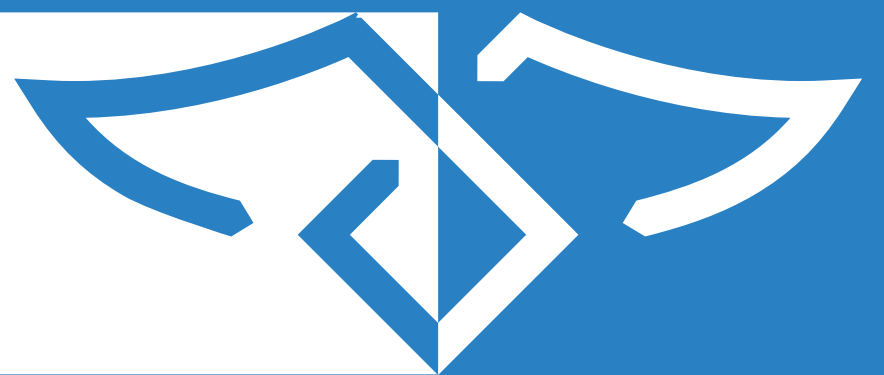
• What is covered?

- Standard practices and procedures within aerodrome sector
- Non-routine situations within aerodrome sector
- Human Factors



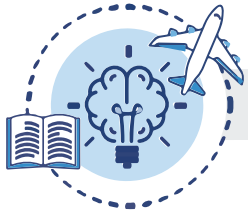
• Prerequisites

- Aerodrome Control Rating course (ICAO 052).
- Good command in English equivalent to Level 4 in the ICAO English language proficiency test.



Course

Approach Control Procedural Refresher



• What you will learn?

- ICAO standards and recommended practices for Approach Controllers in order to effectively and efficiently control air traffic within TMA sector using no surveillance system.



• Learning Activities

- Lectures
- Presentation
- Simulation Exercises
- Case-studies



• Who should attend?

- Approach Controllers
- OJT instructors & Supervisors



• Course Language.

- English



• Duration.

- 3 Weeks (90 hours)



• What is covered?

- Standard practices and procedures within TMA sector
- Non-routine situations within TMA sector
- Human Factors



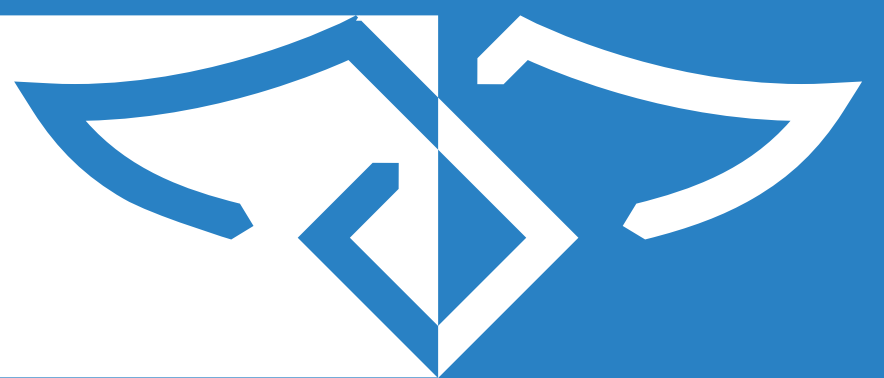
• Assessment and Certification.

- Approved by GACA



• Prerequisites

- Approach Control Procedural Rating course(ICA0 053).
- Good command in English equivalent to Level 4 in the ICAO English language proficiency test.



Course

Approach Control Surveillance Refresher



• What you will learn?

- ICAO standards and recommended practices for Approach Controllers in order to effectively and efficiently control air traffic within TMA sector using surveillance systems.



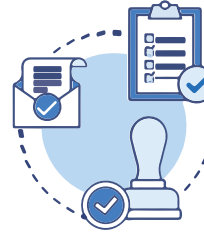
• Assessment and Certification.

- Approved by GACA



• Learning Activities

- Lectures
- Presentation
- Simulation Exercises
- Case-studies



• Prerequisites

- Approach Control Surveillance Rating course (ICAO 054).
- Good command in English equivalent to Level 4 in the ICAO English language proficiency test.



• Who should attend?

- Approach Controllers
- OJT instructors & Supervisors



• Course Language.

- English



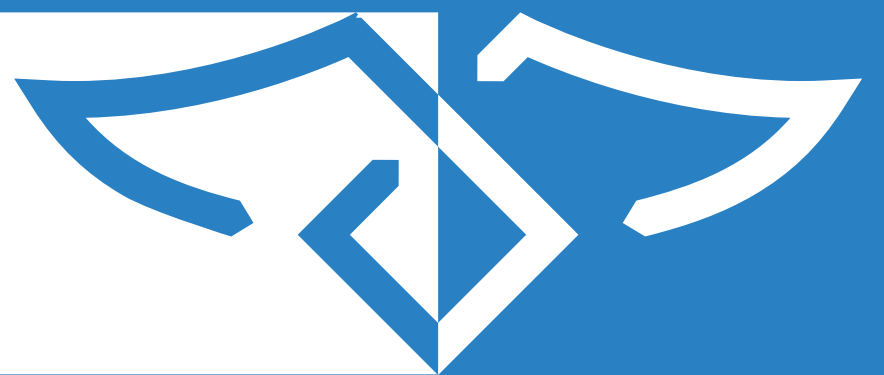
• Duration.

- 3 Weeks (90 hours)



• What is covered?

- Standard practices and procedures within TMA sector
- Non-routine situations within TMA sector
- Human Factors



Course

Area Control Procedural Refresher



• What you will learn?

- ICAO standards and recommended practices for Area Controllers in order to effectively and efficiently control air traffic within En-route sector using no surveillance system.



• Assessment and Certification.

- Approved by GACA



• Learning Activities

- Lectures
- Presentation
- Simulation Exercises
- Case-studies



• Prerequisites

- Area Control Procedural Rating course (ICAO 055).
- Good command in English equivalent to Level 4 in the ICAO English language proficiency test.



• Who should attend?

- Area Controllers
- OJT instructors & Supervisors



• Course Language.

- English



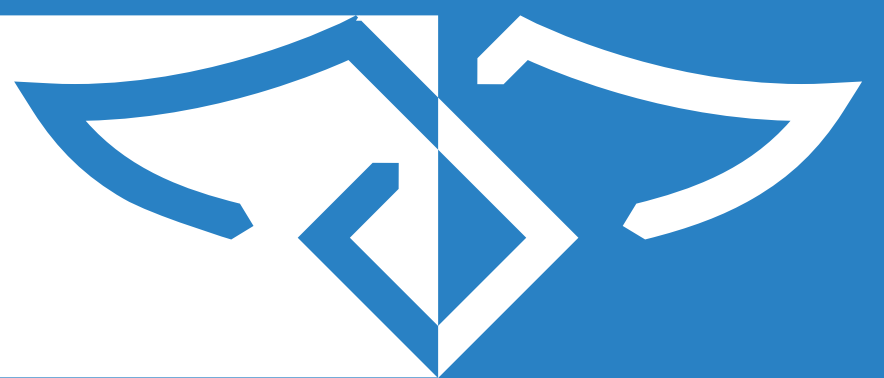
• Duration.

- 3 Weeks (90 hours)



• What is covered?

- Standard practices and procedures within En-route sector
- Non-routine situations within En-route sector
- Human Factors



Course

Area Control Surveillance Refresher



• What you will learn?

- ICAO standards and recommended practices for Area Controllers in order to effectively and efficiently control air traffic within En-route sector using surveillance system.



• Assessment and Certification.

- Approved by GACA



• Learning Activities

- Lectures
- Presentation
- Simulation Exercises
- Case-studies



• Prerequisites

- Area Control Surveillance Rating course (ICAO 054).
- Good command in English equivalent to Level 4 in the ICAO English language proficiency test.



• Who should attend?

- Area Controllers
- OJT instructors & Supervisors



• Course Language.

- English



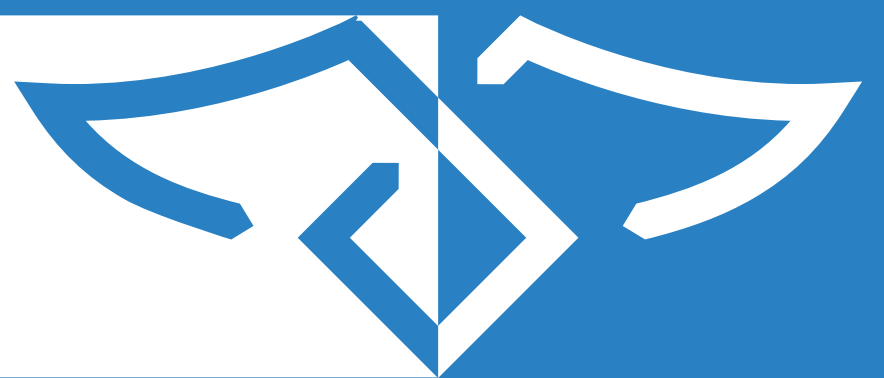
• Duration.

- 3 Weeks (90 hours)



• What is covered?

- Standard practices and procedures within En-route sector
- Non-routine situations within En-route sector
- Human Factors



Course

Aircraft Emergencies for
Aerodrome Controller



• What you will learn?

- The required knowledge and skills for Aerodrome controllers to effectively manage aircraft emergency situations in accordance with KSA Air Traffic Services Procedures Section 29.12 & GACAR Section 11 & 12.



• Assessment and Certification.

- ICAO Standard Training Package (STP)
- Approved by GACA



• Learning Activities

- Lectures
- Presentation
- Simulation Exercises
- Case-studies



• Who should attend?

- Aerodrome Controllers
- OJT instructors & Supervisors



• Course Language.

- English



• Duration.

- 2 Weeks (60 hours)



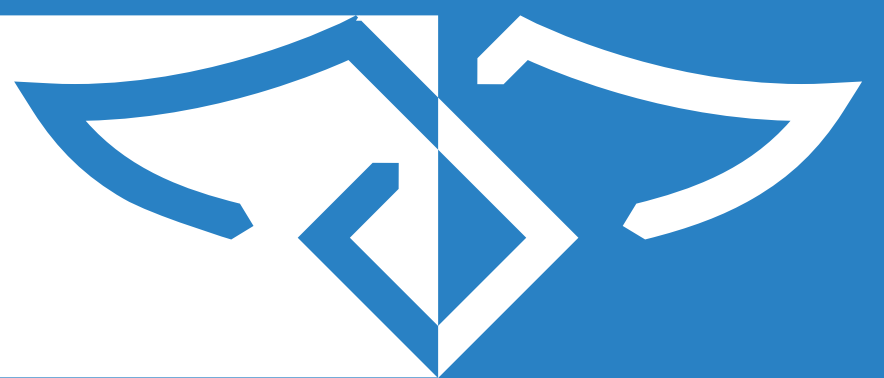
• What is covered?

- Radio communication failure aircraft
- Aircraft with engine failure/Fire/Smoke
- Hydraulic Failure Aircraft
- Bird Hit aircraft
- Crashed Aircraft



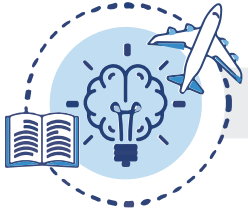
• Prerequisites

- Aerodrome Control Rating Course (ICAO 052)
- Aerodrome Control Rating
- Good command in English equivalent to Level 4 in the ICAO English language proficiency test.



Course

OJT Techniques for ATCOs



• What you will learn?

- The most effective training techniques in order to achieve the goals of OJT program



• Assessment and Certification.

- Approved by GACA



• Learning Activities

- Lectures
- Presentation
- Group exercises



• Prerequisites

- Preferably Have at least 3 years practical experience as ATCO,
- Hold a ATC valid rating
- Have Good command of English language



• Who should attend?

- Air Traffic Controllers



• Course Language.

- English



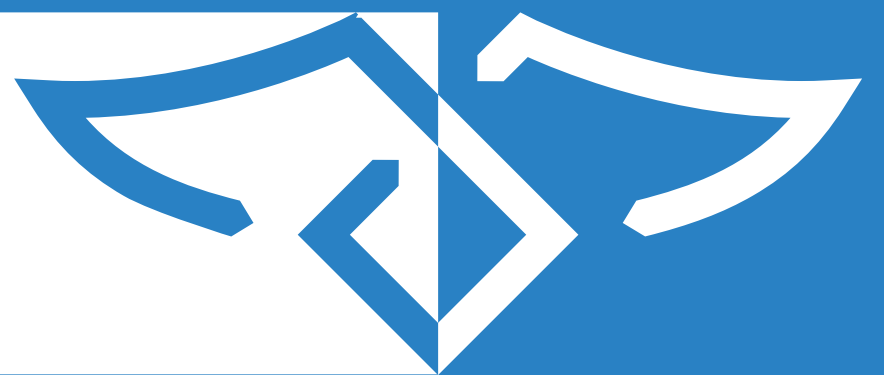
• Duration.

- 2 Weeks (60 hours)



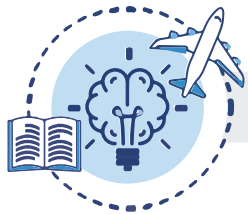
• What is covered?

- Plan OJT
- Conduct OJT
- Evaluate trainees progress
- Analyze complete training record



Course

Examination Techniques for Air Traffic
Controller



• What you will learn?

- The most affective techniques to design and construct tests, administer tests and test scoring in accordance with required standard.



• Learning Activities

- Lectures
- Presentation
- Group exercises



• Who should attend?

- Civil aviation personnel employed as Air Traffic Controllers
- ATC and OJT instructors & supervisors



• Course Language.

- English



• Duration.

- One week (30 hours)



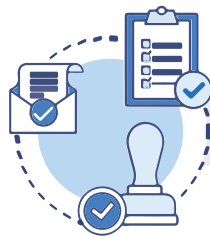
• What is covered?

- Design tests
- Administer a test
- Score test



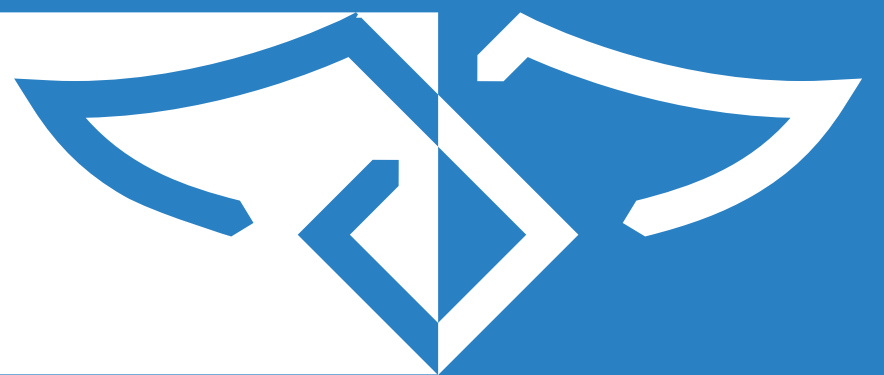
• Assessment and Certification.

- Approved by GACA



• Prerequisites

- Preferably Complete Instructor Techniques Course.
- Good command of English language preferably equivalent Level 5 as minimum in the ICAO English Language Proficiency Tests.
- Good command of PC application (Microsoft office)



Course Instructor Training



• What you will learn?

- All necessary skills, knowledge and desirable attitudes to deliver standardized or traditional non-standardized courses efficiently and in professional manner.



• Assessment and Certification.

- Approved by GACA



• Learning Activities

- Lectures
- Presentation
- Group exercises
- Individual exercises



• Prerequisites

- Good command of English language
- Good command of PC application (Microsoft office)



• Who should attend?

- Ab initio and untrained instructors



• Course Language.

- English



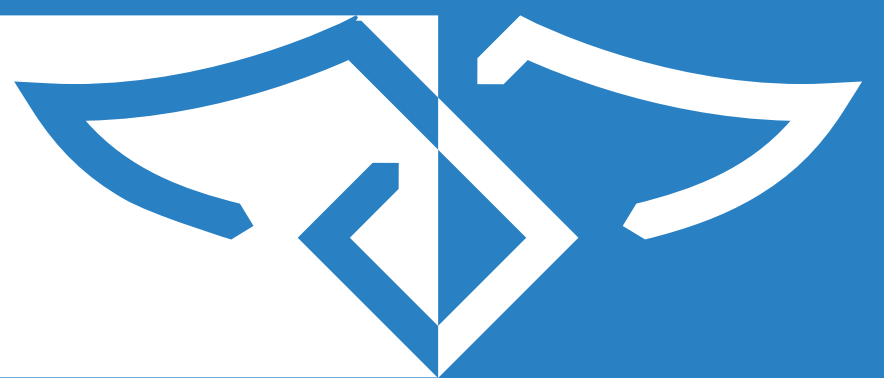
• Duration.

- 2 Weeks (60 hours)



• What is covered?

- Training preparation procedures
- Techniques, methods, and tools necessary to deliver effective training.
- Evaluation of the trainees and the training



Course ATS Supervisor



• What you will learn?

- The knowledge and skills to effectively perform ATS supervisory role in accordance with international best practices.



• Learning Activities

- Lectures
- Presentation
- Group exercises
- Case-studies



• Who should attend?

- ATS personnel who is appointed to the role of ATS Supervisor



• Course Language.

- English



• Duration.

- 1 Week (30 hours)



• What is covered?

- Supervisory Attributes
- Team work & leadership quality
- Assessing Staff Performance
- Operational Procedures (Role & Responsibilities)



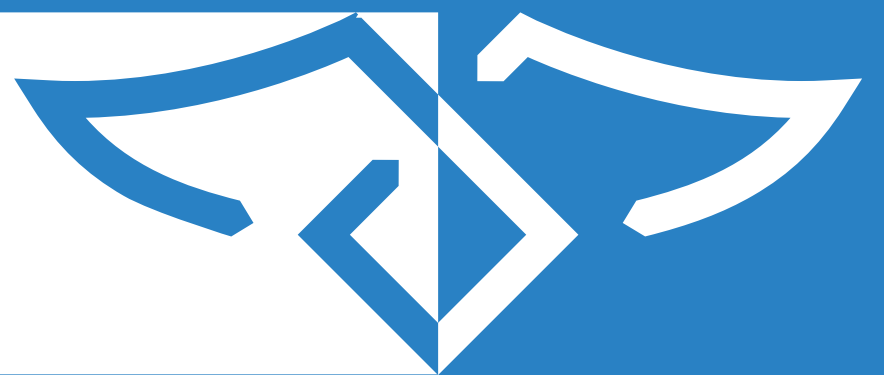
• Assessment and Certification.

- Approved by GACA



• Prerequisites

- Have successfully completed Aerodrome Basic/Approach Control/Area Control Course
- Possess an ATC rating(Preferably in all units)
- Preferably possess competency Level 5 in the ICAO ELPT.



Course

Human Factors for ATCO



• What you will learn?

- A basic understanding of human factors in air traffic control services which contributes to a safer and more efficient working environment in accordance with human factors manual.



• Learning Activities

- Lectures
- Presentation
- Case-studies



• Who should attend?

- Air Traffic Controllers,
- ATC Supervisors,
- ATC instructors



• Course Language.

- English



• Duration.

- One week (30 hours)



• What is covered?

- Overview of Human concept, and acquire knowledge.
- Orientation of acceptance of the Rules& practices relevant ATC.
- Liaise and coordinate with colleagues and pilots.
- SHELL & REASON Models
- Recognizing and preventing of human. error.
- Threat and Error Management (TEM).



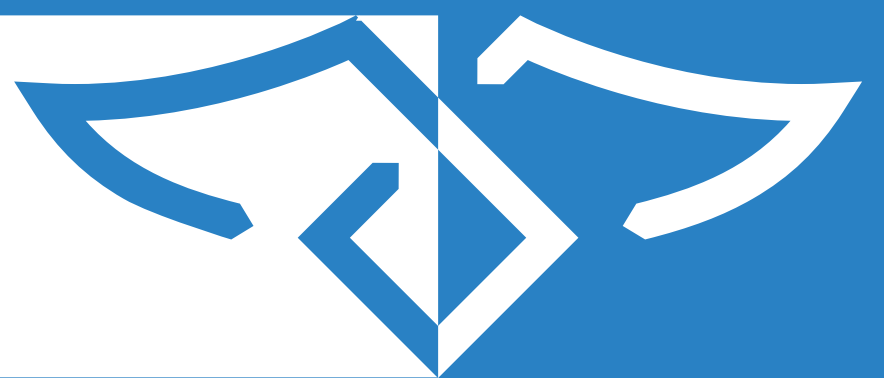
• Assessment and Certification.

- Approved by GACA



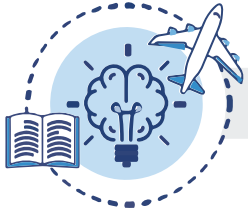
• Prerequisites

- Aerodrome/Approach Control/Area Control Rating Courses
- Preferably possess competency Level 4 in the ICAO English Language Proficiency Requirements Tests.



Course

Low Visibility Procedures for
Aerodrome Controller



• What you will learn?

- The necessary knowledge skills and attitude to effectively control aerodrome traffic during low visibility conditions in accordance with KSA GACAR 171, ATSP-1&2 and ICAO Documents.



• Learning Activities

- Lectures
- Presentation
- Simulator Exercises



• Who should attend?

- Aerodrome Controllers



• Course Language.

- English



• Duration.

- One week (30 hours)



• What is covered?

- Control aerodrome traffic on the movement area in low visibility conditions.
- Control aerodrome traffic during CAT II / III operations in low visibility conditions.
- Control special VFR traffic in low visibility conditions.



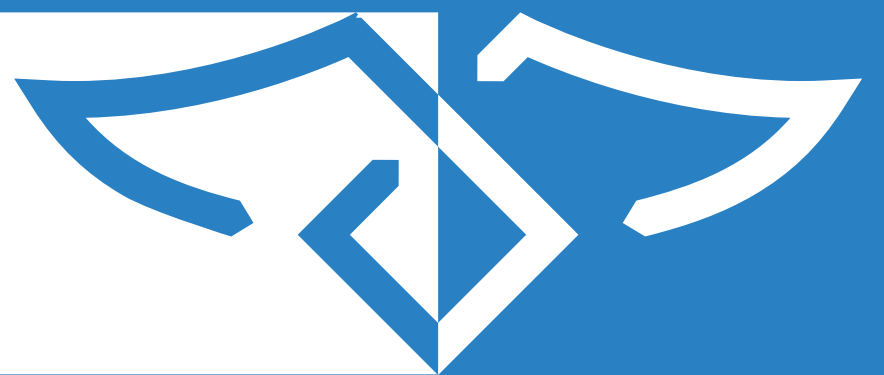
• Assessment and Certification.

- ICAO Standard Training Package (STP)
- Approved by GACA



• Prerequisites

- Aerodrome Control Rating (ICAO 052)
- ICAO Aviation English Language Proficiency level 4



Course

TIBA Safety Procedures
(Uncontrolled Operations)



• What you will learn?

- Effectively apply TIBA procedures (in Uncontrolled airspace) in accordance with KSA ATSP, Section 15.22 and KSA AIP, TIBA Procedures (ENR 1.4 & GEN 1.7) and KSA GACAR Section 11, Appendix-5, TIBA Operating Procedures.



• Learning Activities

- Lectures
- Presentation
- Group exercises
- Individual exercises



• Who should attend?

- Airlines pilots
- Air Traffic Controllers
- Ground Operations personnel
- Foreign & KSA airspace users
- General Aviation personnel
- Flight information specialists officers (FISO)
- Airside personnel



• Course Language.

- English



• Duration.

- One week (30 hours)



• What is covered?

- TIBA Procedures for landing aircraft
- TIBA Procedures for departing aircraft
- Emergency procedures in uncontrolled airspace



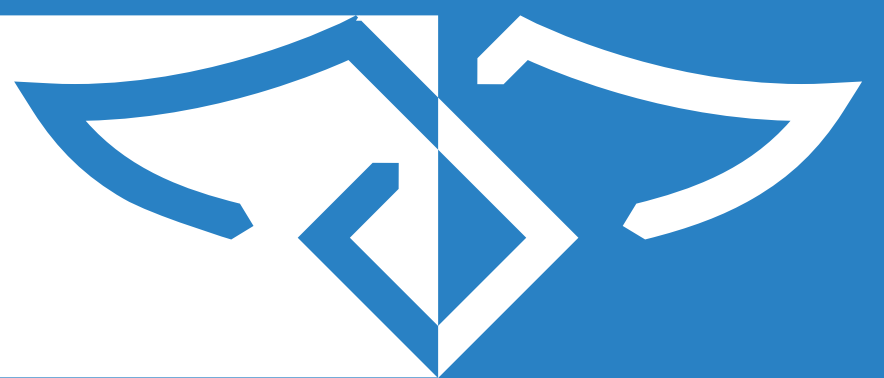
• Assessment and Certification.

- ICAO Standard Training Package (STP)
- Approved by GACA



• Prerequisites

- Have successfully completed Basic Area Control Course or be a pilot or possess aviation background
- Preferably possess competency Level 4 in the ICAO English Language Proficiency Requirements Tests.



Course

PBN for ATCOs



• What you will learn?

- The required Knowledge/ Skills/Attitudes (K/S/A) to achieve the acceptable level of competency in order to meet the objectives of air traffic services as prescribed by ICAO Performance Based Navigation (PBN) criteria



• Learning Activities

- Lectures
- Presentation
- Group exercises



• Who should attend?

- Air Traffic Controllers



• Course Language.

- English



• Duration.

- One week (30 hours)



• What is covered?

- Description of the Performance-based Navigation (PBN) Concept, RNAV and RNP Nav-Spec, Instrument Approaches and Flight Management Systems
- Identifying elements of the Performance-Based Navigation (PBN) in terms of RNAV and RNP operations and functions
- Determining of navigational aids infrastructure applicable to Performance-Based Navigation (PBN) concept
- Identifying the sequence and coordination procedure implemented according to the Performance-Based Navigation (PBN) concept
- Interpreting conditions and restrictions for advice to aircraft as per the Performance-Based Navigation (PBN) concept



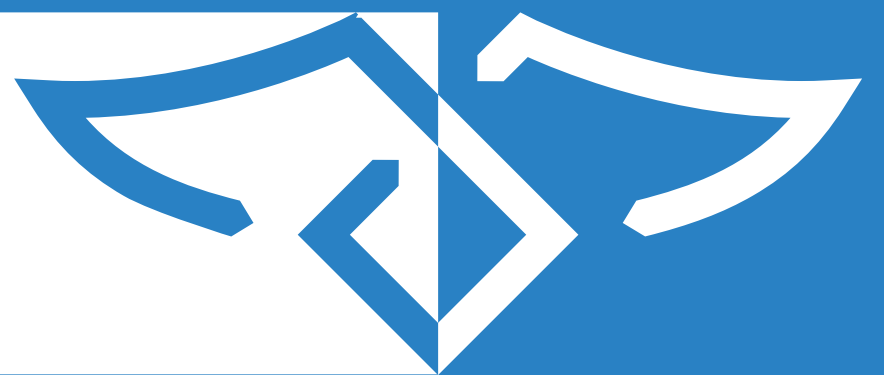
• Assessment and Certification.

- Approved by GACA



• Prerequisites

- Good command of English language



Course

General Unusual Emergency Situations



• What you will learn?

- The appropriate application of abnormal & emergency procedures/guidelines to effectively handle emergency aircraft in continuation of effective Air Traffic Control in accordance with ICAO Doc.



• Learning Activities

- Lectures
- Presentation
- Group exercises
- Individual exercises



• Who should attend?

- Air Traffic Controllers



• Course Language.

- English



• Duration.

- One week (30 hours)



• What is covered?

- Unusual & Emergency Procedures
- Unlawful interference
- Strayed or unidentified aircraft
- Bomb Threat
- Interception of civil aircraft
- Aircraft Emergencies (Engine failure/Fire/Smoke/Hydraulic Failure/
- Bird Hit/Crashed Aircraft/Fuel Problem/
- Electrical Problem/Icing and fuel dumping



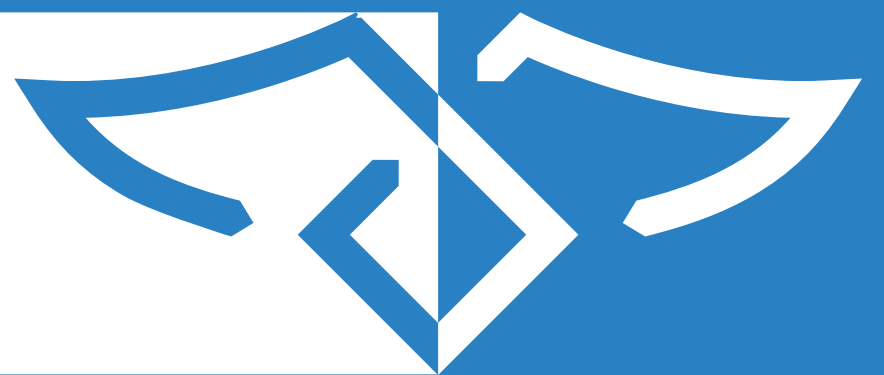
• Assessment and Certification.

- Approved by GACA



• Prerequisites

- Posses a rating TWR/APP/ACC
- have competency Level 4 in the ICAO English Langage Proficiency Tests.



Course

CNS/ATM for air Traffic Controller



• What you will learn?

- To gain an overview of ICAO CNS/ATM technologies and infrastructure to support the transition to a performance-based air navigation system, This course reviews the guidance material and provides you with a foundation so that you can be conversant on this subject



• Learning Activities

- Lectures
- Presentation
- Group exercises
- Individual exercises



• Who should attend?

- Air Traffic Controllers



• Course Language.

- English



• Duration.

- One week (30 hours)



• What is covered?

- Traditional Communication methods.
- Data linking
- CPDLC
- Aeronautical Telecommunications Network
- Global Navigation Satellite System
- Area Navigation
- RNAV – Airspace
- Performance Based Navigation
- RNAV approaches
- Surveillance

- ADS-(B-C)
- SSR Mode S
- Multilateration
- Traditional ATC environment
- Flow Management
- Controllers Tools
- Integrating RNAV into Approach
- AIM
- Static Data
- Dynamic Data



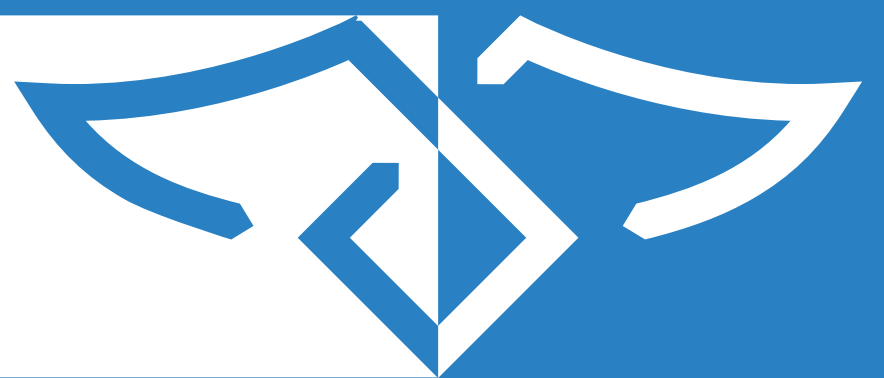
• Assessment and Certification.

- Approved by GACA



• Prerequisites

- The recommended level of language proficiency is ICAO Operational Level 4 for courses in English or the equivalent level for other languages.



Course

ADS-B for ATCO



• What you will learn?

- This course will enable Surveillance Controllers to the required level of knowledge and skills of ADS-B systems in the provision of air traffic services, including in the provision of separation between aircraft, for Approach and Area Control Surveillance in accordance with international and national Standards



• Learning Activities

- Lectures
- Presentation
- Group exercises
- Individual exercises



• Who should attend?

- Approach Surveillance and Area Surveillance Controllers



• Course Language.

- English



• Duration.

- One week (30 hours)



• What is covered?

- The uses of ATS surveillance systems capabilities.
- The uses of surveillance systems in the provision of ATC service.
- Key differences between RADAR surveillance and ADS-B surveillance
- Key differences between RADAR surveillance and MALT surveillance
- ADS-B regulations and procedures
- Differences between ADS-B out and in.
- Airborne equipment required for ADS-B.



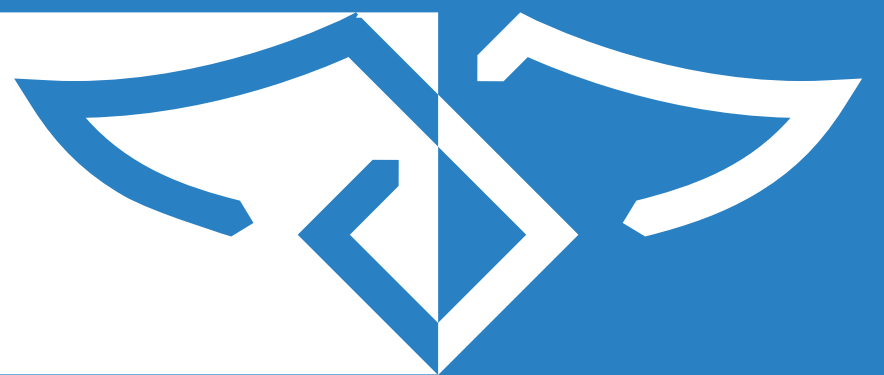
• Assessment and Certification.

- Approved by GACA



• Prerequisites

- Successfully completed ICAO 054 – APS or ACS
- Possess competency Level 4 in the ICAO English Language Proficiency Requirements Tests.



Course

Fixable Use of Airspace



• What you will learn?

- Civil military cooperation requirements for the development of a flexible approach to the use of airspace



• Learning Activities

- Lectures
- Presentation
- Group exercises
- Individual exercises



• Who should attend?

- Civil and military staff intending to implement or enhance civil-military cooperation in the domain of flexible airspace management.



• Course Language.

- English



• Duration.

- 3 days (18 hours)



• What is covered?

- International and national regulatory framework governing state aircraft operations and airspace management.
- Airspace users and their use of airspace
- Global ATM Operational Concept
- The components of the GATM Operational Concept
- Civil and military inter-operability
- The principles of airspace organization and management



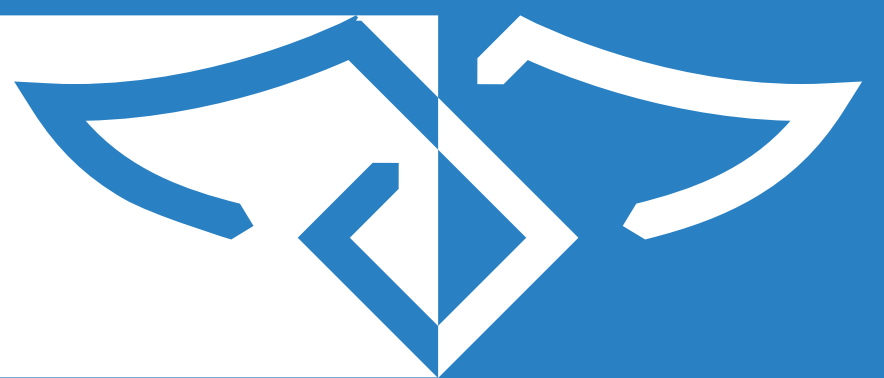
• Assessment and Certification.

- Approved by GACA



• Prerequisites

- Knowledge of the ICAO airspace classifications and publication of Annex 15.
- An operational background in either military or civil ATM.



Course

ATC Pilot Control Unit Operator



• What you will learn?

- Operating the ATC Pilot Control Unit in order to provide realistic Radar and Aerodrome simulations by controlling various aircraft in accordance with the instructions received from an ATC.



• Learning Activities

- Lectures
- Presentation
- Group exercises
- Individual exercises



• Who should attend?

- Prospective ATC Simulation Pseudo Pilots



• Course Language.

- English



• Duration.

- 6 Weeks (180 hours)



• What is covered?

- Basic principles of Air law, Navigation, Aircraft performance, , Air Traffic Management and Meteorology
- The characteristics of simulation
- Managing the different phases of a simulation process
- Operating ATC simulators to provide students with a realistic leaning environment
- Comprehension and interpretation of all phrases related to air traffic control
- Standard ICAO-Phraseology.



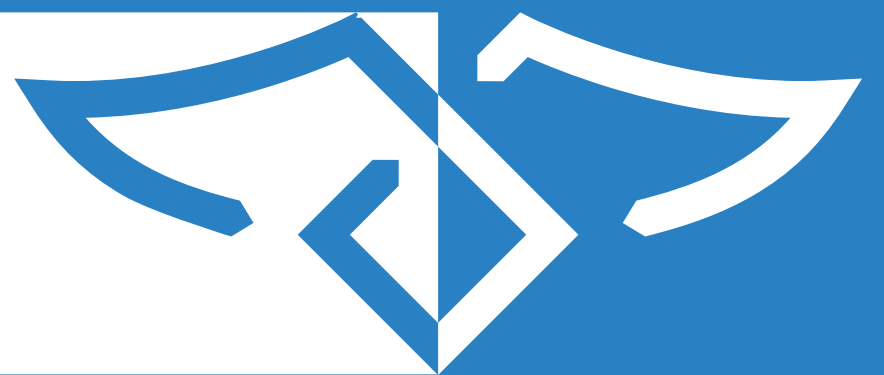
• Assessment and Certification.

- Attendance Course Certificate.



• Prerequisites

- computer skill
- Preferably possess competency Level 3 in the ICAO ELPT.



Course

Introduction to Aviation Law



• What you will learn?

- a general overview of Aviation Law



• Assessment and Certification.

- Attendance Course Certificate.



• Learning Activities

- Lectures
- Presentation



• Prerequisites

- Good command of English Language



• Who should attend?

- Anyone working in civil aviation.



• Course Language.

- English



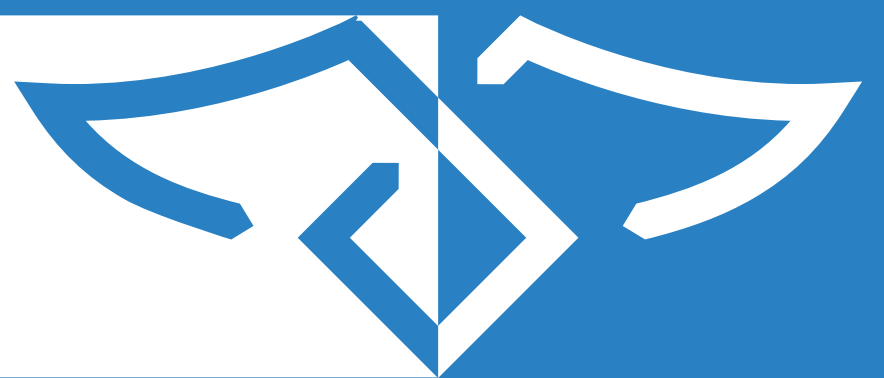
• Duration.

- 3 Days (18 hours)



• What is covered?

- The necessity for air law, the sources and development of aviation law.
- The key national and international aviation organizations.
- The purpose and function of ICAO
- Methods by which ICAO notifies and implements legislation.
- the purpose and function of GACA.
- the means by which legislation is implemented, notified and updated.
- The regulatory authority responsible for licensing and enforcing legislation
- how the regulatory authority carries out its safety regulation
- Rules of the air
- International and national laws governing aircraft accident



Course

Introduction to ATC



• What you will learn?

- a general overview of Air Traffic Control



• Assessment and Certification.

- Attendance Course Certificate.



• Learning Activities

- Lectures
- Presentation
- Group exercises
- Individual exercises



• Who should attend?

- Prospective ATC Simulation Pseudo Pilots



• Course Language.

- English



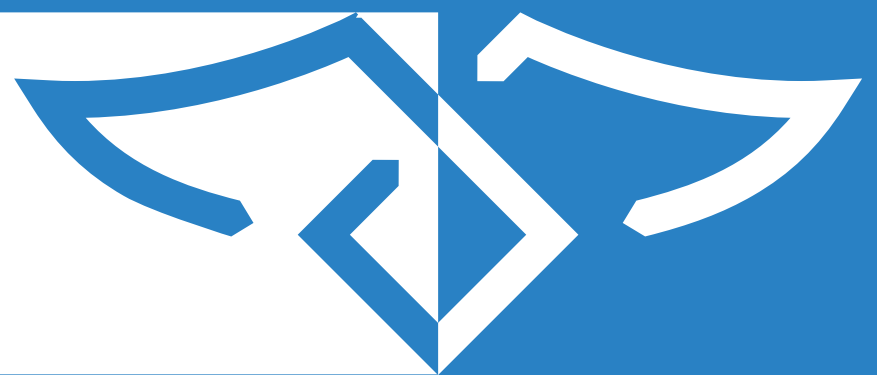
• Duration.

- One Day (6 hours)



• What is covered?

- Differences between the Air Navigation Services
- The considerations which determine the need for the ATS
- Differences between the ATS
- the objectives of ATS
- the requirement for ATC license
- resources required to achieve ATC objectives (Equipment, personnel, regulations, etc)
- flight through the ATS system



Course Apron Management



• What you will learn?

- the required knowledge and skills to effectively manage traffic on the apron with an emphasis on safety and service quality in accordance with ICAO standards/KSA apron procedures



• Learning Activities

- Lectures
- Presentation
- Group exercises
- Simulation Exercises



• Who should attend?

- Prospective Apron Controller/Manager
- Bays Planner
- Aviation Personnel involved in Apron duties



• Course Language.

- English



• Duration.

- 10 Weeks



• What is covered?

- Apron Description
- RTF facilities
- Control of aircraft and vehicle on the apron and separation
- Start up, push back, taxi clearances and stand allocation
- Various airline service vehicles regulation, crossing apron or taxiways
- Responsibilities of inspection, maintenance and cleanliness of apron

- Marshalling services and parking needs
- Low visibility operations
- Procedures to cater for contingencies such as accidents, emergencies, snow clearance, diversion aircraft, flow control stand cleaning and security.
- ATS Unit/apron management coordination
- Aircraft stand allocation
- Aircraft parking/docking guidance system
- Marshalling service
- Lead Van service
- Apron Safety (Blast precautions)
- Aircraft refueling



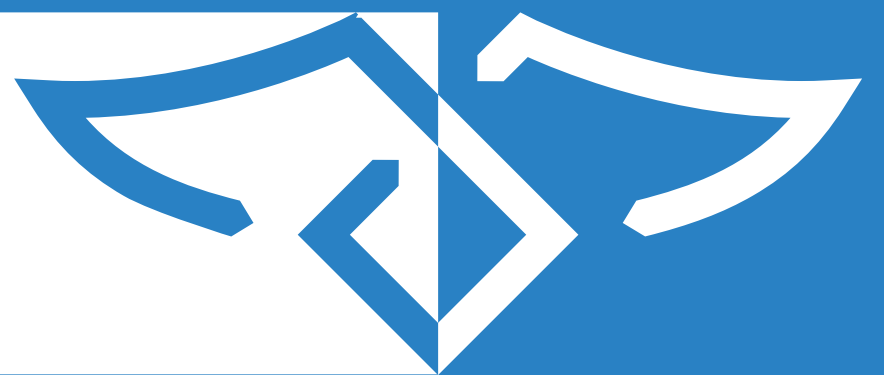
• Assessment and Certification.

- Certificate of achievement



• Prerequisites

- Good command of English language



Course

Apron Management Refresher



• What you will learn?

- The updated knowledge and skills to effectively manage traffic on the apron with an emphasis on safety and service quality in accordance with ICAO standards/KSA apron procedures



• Learning Activities

- Lectures
- Presentation
- Simulation Exercises



• Who should attend?

- Apron Controller/Manager



• Course Language.

- English



• Duration.

- 2 Weeks



• What is covered?

- RTF facilities
- Control of aircraft and vehicle on the apron and separation
- Start up, push back, taxi clearances and stand allocation
- Various airline service vehicles regulation, crossing apron or taxiways
- Responsibilities of inspection, maintenance and cleanliness of apron
- Marshalling services and parking needs
- Low visibility operations
- Procedures to cater for contingencies such as accidents, emergencies, snow
- Clearance, diversion aircraft, flow control stand cleaning and security.
- ATS Unit/apron management coordination
- Aircraft stand allocation
- Aircraft parking/docking guidance system

- Marshalling service
- Lead Van service
- Apron Safety (Blast precautions)
- Aircraft refueling



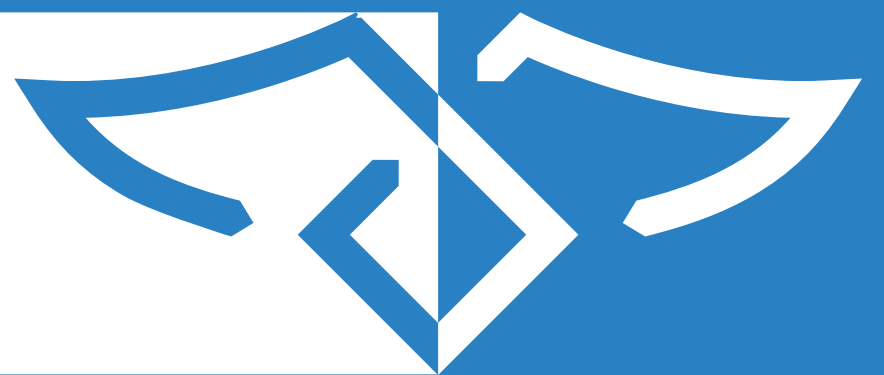
• Assessment and Certification.

- Attendance Course Certificate.



• Prerequisites

- Apron Management Course
- Good command of English language



Course

GACA Regulations for ANS



• What you will learn?

- thorough knowledge of new ANS GACARs to meet their safety obligations related to the provision of ANS services within the legal & regularity framework of the General Authority of Civil Aviation (GACA).



• Learning Activities

- Lectures
- Presentation
- Group exercises



• Who should attend?

- ANS managerial posts
- ANS supervisors
- Operational ANS staff



• Course Language.

- English



• Duration.

- 2 days



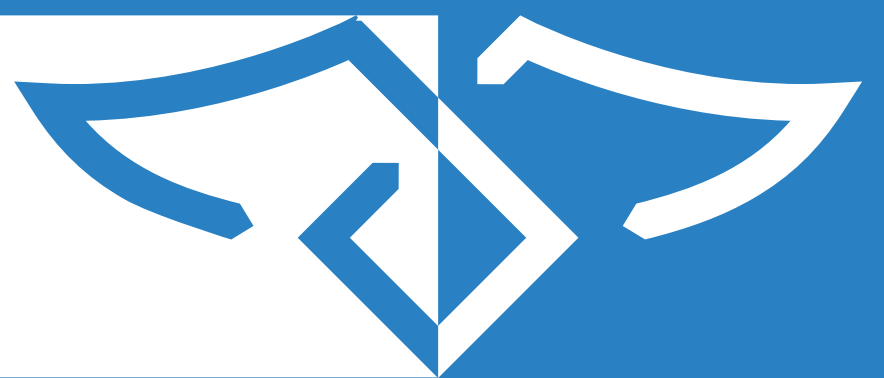
• What is covered?

- Course Introduction & Sources of aviation legislation (Public & private)
- Aviation Safety Regulations (GACARs)
- ANS specific GACA



• Assessment and Certification.

- Attendance Course Certificate.



Course

CPDLC for ATCO's



• What you will learn?

- It describes the main principles, and the basics of CPDLC aviation operations including related phraseology and provide background information for understanding the safety issues related to this technology.



• Learning Activities

- Lectures
- Presentation
- Group exercises



• Who should attend?

- Air Traffic Controllers



• Course Language.

- English



• Duration.

- 3 Days



• What is covered?

- The data link communication services.
- The Future Air Navigation System (FANS) 1/A.
- The Aircraft Communications Addressing and Reporting System (ACARS).
- The use of CPDLC.
- The basics of CPDLC messaging and operation.
- The advantages and disadvantages of CPDLC.
- Apply the standardized Phraseologies related to CPDLC.
- Apply the procedures for reverting from CPDLC to voice.



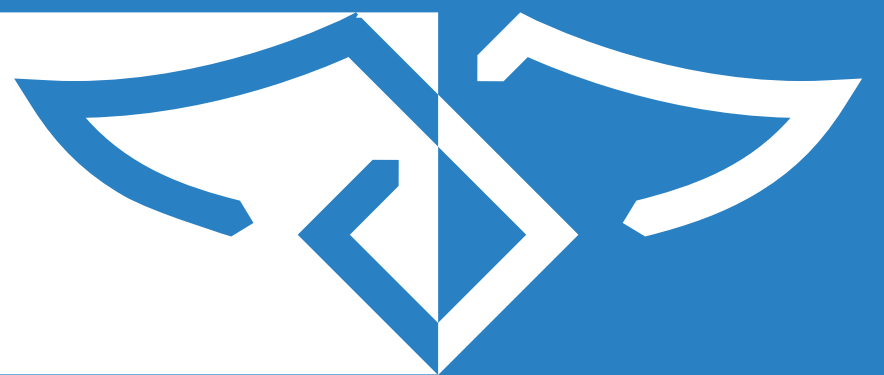
• Assessment and Certification.

- Certificate of achievement



• Prerequisites

None



Course

Airport Communication Methods & Terminologies



• What you will learn?

- The required communication Knowledge, skill and attitude to effectively perform their jobs in accordance with ICAO (annex 10) and ICAO DOC 8400



• Learning Activities

- Lectures
- Presentation
- Group exercises



• Who should attend?

- All new employees who will work in airport operations environment (airside and landside).



• Course Language.

- English



• Duration.

- 5 Days



• What is covered?

- Identify Communication Modes and Terminologies effectively.
- Use the phonetic alphabets and numbers in messages transmitted and received through voice communications.
- Apply the different communications techniques and strategies
- Apply Communication phraseologies used in voice communications correctly
- Apply two-way communications between operation vehicles, Tower Control, using Standard communications procedures.
- Identify types of airport emergencies and fire and rescue communication system.
- Identify the standard ICAO Message Format for the aeronautical fixed service



• Assessment and Certification.

- Certificate of achievement



• Prerequisites

None



الأكاديمية

السعودية للطيران المدني
Saudi Academy of Civil Aviation



الهيئة العامة للطيران المدني
General Authority of Civil Aviation