Sharjah Training Centre for Airports Science

Company Profile

The Partnership

The Sharjah Training Centre for Airports Science (STCAS) is a result of a long-standing partnership between the Department of Civil Aviation in Sharjah and Serco, a global leader in aviation services.

This collaboration, which dates back to 1947, has played a pivotal role in advancing the aviation sector in Sharjah and the wider region. Over the decades, both entities have worked closely to deliver world-class training and operational support, ensuring that Sharjah remains at the forefront of aviation innovation and safety.

Through this enduring relationship, STCAS benefits from Serco's extensive global experience and expertise, offering cutting-edge training programs that meet the highest international standards.

This partnership continues to drive the growth and development of aviation talent, reinforcing Sharjah's position as a key hub in the global aviation industry.

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Sharjah Training Centre
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Management

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Sharjah Training Centre
for Airports Science

Sheikh Khalid Bin Isam Al Qassimi

Chairman of the Civil Aviation Department

Phil Malem

Chief Executive Officer Serco Middle East

Shahd Taryam Alshamsi

Accountable Manager and Director of Support Services

Rajaa AbuShahla

Head of Training Centre

Details of Accreditation

At the Sharjah Training Centre for Airports Science (STCAS), we demonstrate our commitment to excellence in air traffic control training through our key accreditation from the General Civil Aviation Authority (GCAA). As an approved Air Traffic Control Training Organisation (ATCTO) and an English Language Proficiency Testing Organisation (ELP TO), we ensure that our programs meet the highest industry standards, preparing our students to excel in their aviation careers.

Moreover, we are actively pursuing esteemed accreditations including ICAO TrainAir Plus, IATA Authorised Training Centre, and Regional Training Partner, demonstrating our ongoing commitment to expanding our credentials and aligning with global aviation training standards.

These efforts reflect our dedication to continuous improvement and our goal to offer the most comprehensive and advanced training in the aviation sector.

a)   General Civil Aviation Authority (GCAA) Air Traffic Control Training Organisation (ATCTO)

b)   General Civil Aviation Authority (GCAA) English Language Proficiency Testing Organisation (ELP TO)

c)   Afghanistan civil Aviation Authority Approved Training Organisation

d)   Oman Civil Aviation Authority (OCAA) Air Traffic Control Training Organisation (ATCTO)

Future Planned Accreditations

a)   ICAO TrainAir Plus Accreditations

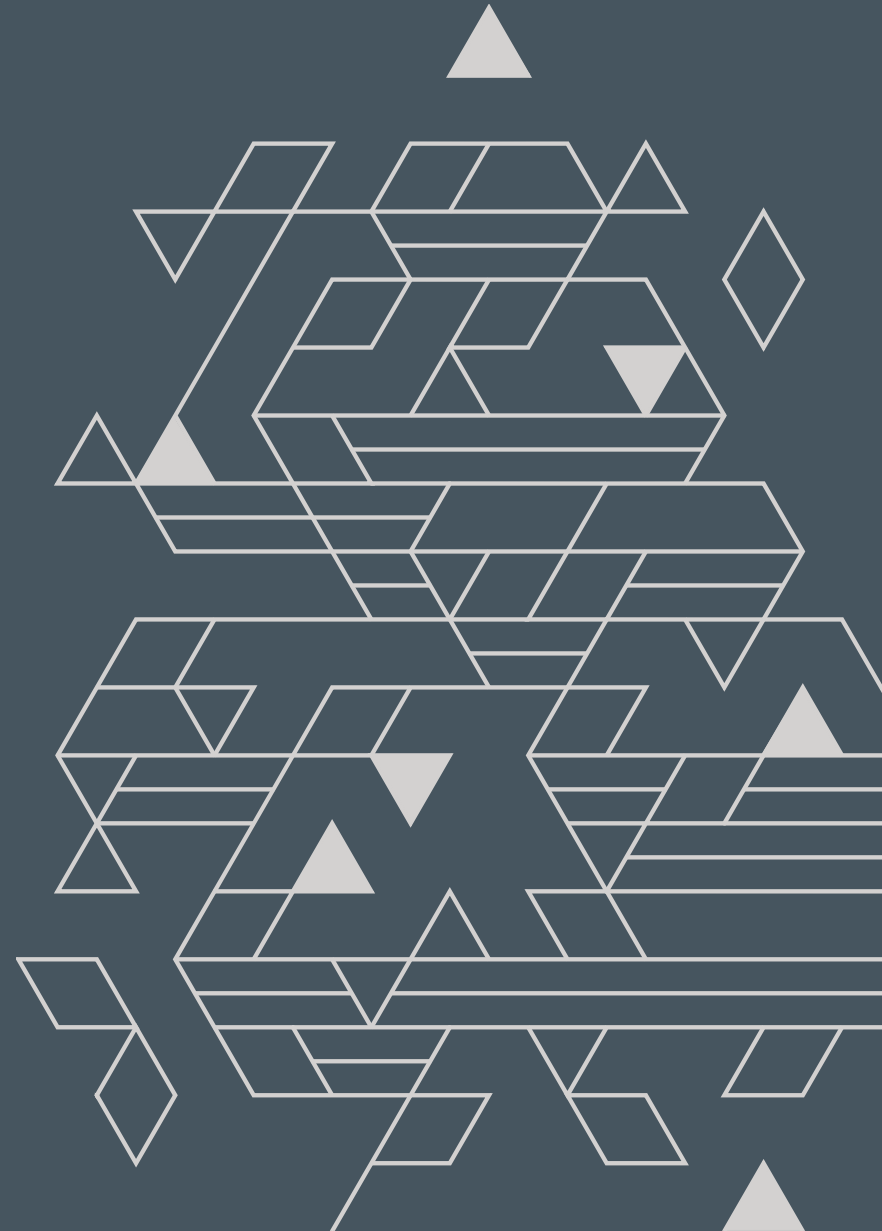b)   IATA Authorised Training Centre

c)   IATA Regional Training Partner

Training Team

Training Team

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Juliet Kyeva

Juliet Kyeva is a seasoned Head of Training with over 23 years of experience in Air Traffic Control operations, training, and compliance. She specializes in overseeing ATC training programs and ensuring alignment with GCAA regulations. Currently leading the Air Traffic Services training at Serco IAL in Sharjah, she manages training delivery, manual updates, and compliance processes. Juliet is also an ICAO ELP Rater and a certified instructor, known for her expertise in curriculum development and quality audits. Her strong focus on safety, compliance, and continuous improvement has been pivotal throughout her career.

Jasser Ltaief

Jasser Ltaief is a highly-skilled and experienced Chief Instructor with over 13 years in Air Traffic Control operations, specialising in training development, delivery, and evaluation. With a strong background in designing training programs based on simulated environments, procedure manuals and training needs, he has played a pivotal role in shaping the Sharjah Training Centre for Airport Sciences' curriculum. Jasser's expertise extends to both theoretical and practical training, ensuring compliance with international standards while maintaining a high standard of instructional quality and performance evaluation.

Davies Ongani Nenguwo

Davies Nenguwo is an accomplished ATC instructor and instructional designer with over 35 years of experience in Air Traffic Control and Aviation Training. Specializing in course development and training instruction, Davies has a rich background in providing classroom and simulator instruction across a wide range of ICAO-rated courses. He holds numerous qualifications, including multiple IATA and ICAO diplomas, and has played a key role in obtaining GCAA ATO approvals. With a focus on training excellence and compliance, Davies is a vital part of the Sharjah Training Centre for Airport Sciences team since March 2024.

Yassen Omar Abu-Bakr

Yassen Abu-Baker is an experienced and forward-thinking engineer with a Postgraduate Diploma in Engineering Management and a Bachelor's Degree in Electrical Engineering, specializing in Communication and Electronics. Currently serving as the Technical Advisor and Head of CNS discipline at Sharjah International Airport, Yassen oversees critical airfield projects and ensures regulatory compliance in ATC and CNS operations. He has been instrumental for STCAS as instructor for equipment, navigation and aircraft modules instruction. His proactive approach to learning brings extensive expertise in CNS and airfield system maintenance.

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Conrad Vermeulen
Air Traffic Controller

Conrad Vermeulen is a seasoned Air Traffic Control professional with over 25 years of experience, specializing in aerodrome and approach control. Currently at Serco Middle East, he manages high-traffic operations at Sharjah International Airport, where he also serves as an OJTI, Examiner, and Local Competency Evaluator. In addition to his ATC responsibilities, Conrad led the development of the Electronic Logbook (E-Log), enhancing operational efficiency. With prior leadership experience as Acting Head of Operations and a military service background, Conrad combines strategic oversight with technical expertise to ensure safe and efficient air traffic management.

Basit Parkar
ATC Training Instructor

Basit Parkar is an ATC Training Instructor and Simulation Specialist with over 9 years of experience in ATC training, from ab-initio to advanced levels. Currently at the Sharjah Training Centre for Airports Science, he develops and delivers Competency Based Training, conducts trainee assessments, and leads simulator-based training for Tower, Approach, and Area Control. With expertise in simulator engineering, Basit manages ATC simulator hardware and software, designs complex airspace and exercise scenarios, and supervises Pseudo Pilots to ensure high training standards. His comprehensive skill set spans instructional design, technical operations, and simulation management.

Angele Warren
Air Traffic Controller

Angele Warren is a highly skilled Air Traffic Controller with 28 years of experience, specializing in area radar and procedural control. He holds licenses across tower, ground, approach radar, and procedural control, with 15 years as Principal Controller. Currently an OJTI and ATC Examiner at Serco Middle East, he develops and delivers training programs, ensuring compliance and safety standards. His expertise also includes incident investigation and advanced ATM technologies. With experience in multiple international roles, he brings a strong focus on operational efficiency, safety, and controller training.
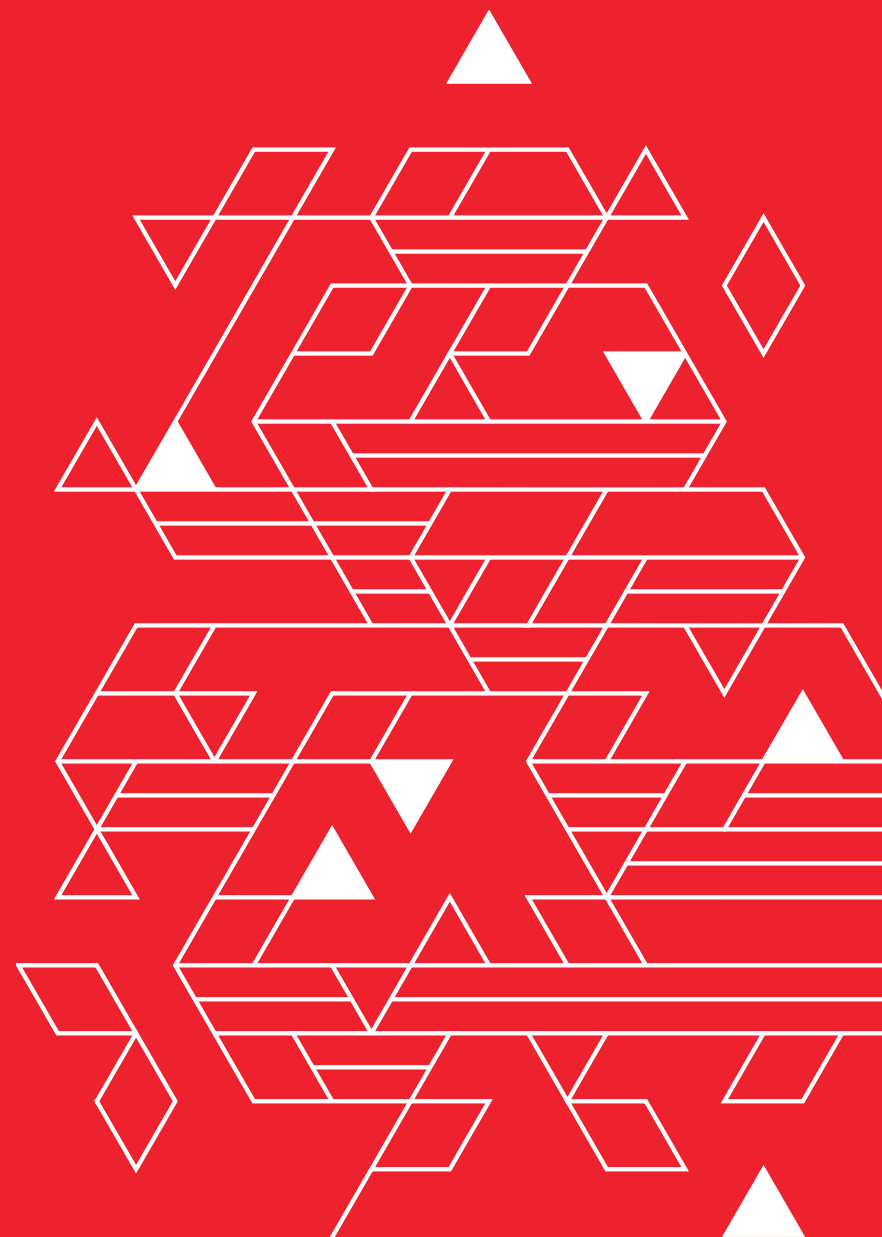
Leon Herselman
Air Traffic Controller

Leon Herselman is a n experienced Air Traffic Control Officer with over 30 years of experience, specialising in Tower, Approach, and Area control, both procedural and radar-based. He holds endorsements as an OJTI, Local Competency Examiner, ATC Examiner, and Air Traffic Services Instructor. Leon has a strong background in classroom and simulator-based instruction, contributing to the training and development of new recruits. His expertise also includes aviation safety management and internal auditing. Known for his collaborative approach and commitment to innovation, Leon continues to be a dedicated and highly skilled member of the ATC community.

Training Simulator

MicroNav Training Simulator

STCAS ATCTO utilises MicroNav BEST ATC Simulation System, tailor-made to its needs of ATC Simulation and Training and running latest software versions.

- The MicroNav BEST ATC Simulation System provides a high-fidelity simulation solution for aerodrome/tower, en-route/area and approach controller. It is complemented with 2D tower capability and enhanced 3D out-of-the-window environment.

- The 2D capability offers a range of simulated Ground Movement Radar (GMR) displays, supported by realistic simulation of aerodrome aircraft and ground vehicle operations.

- The 3D display systems provide an immersive and realistic simulated environment for tower and ground control including navigation aids, weather, procedures and aircraft performance.

- Different views of the simulated ATC world can be selected both on 3D and 2D presentations.

- Micro Nav BEST ATC Simulation System has its own surveillance displays, lighting panel, information display, voice communication system and recording and playback system, which allows a recorded exercise to be played back.

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MICRONAV

MicroNav Training Simulator

Instructor/Trainee Room:

- 230° 3D Tower Display System

- 2 x Controller Positions

Pseudo Pilot Room:

- 2 x Pseudo Pilot Positions

- 1 x System Manager Position
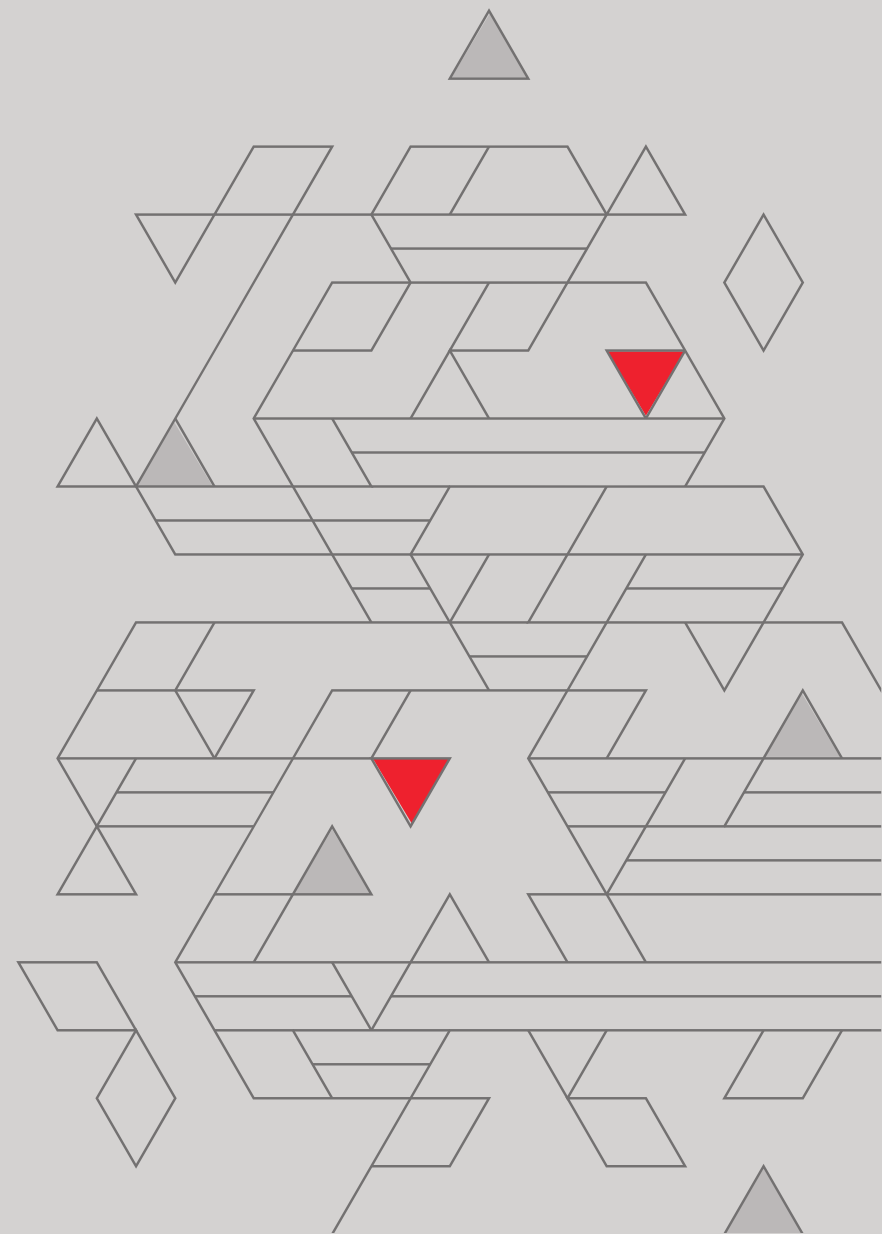
- 1 x Data Preparation Position

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Training Facility

Training Facility

STCAS Science is located in Sharjah Airport International Free Zone (SAIF), adjacent to Sharjah International Airport, along Aldhaid Road (E88), within the Emirate of Sharjah, United Arab Emirates.

The Sharjah Training Centre for Airports Science (STCAS) boasts a state-of-the-art training facility, thoughtfully designed to cater to a wide range of educational and operational needs. Our facility includes:

Five fully equipped classrooms, each with the capacity to comfortably accommodate up to 16 students.

Two advanced computer labs, each offering up to 20 workstations, which also serve as examination and assessment labs.

A dedicated ATC simulator room featuring two operational workstations for practical training.

A specialised Pseudo Pilot room equipped with two pseudo pilot stations and an additional station for a supervisor.

A dedicated room for security screening training, equipped with relevant tools and technology.

Two rooms designated for briefings and debriefings.

A versatile meetings room, suitable for small group discussions and collaborative sessions.

A spacious conference room, ideal for larger meetings, seminars, and presentations.

Training rooms are furnished with smart screens and ergonomic chairs and tables for optimal comfort and learning efficiency.

Management offices that house our administrative and executive staff.

Instructor rooms, providing our trainers with private and well-equipped spaces for preparation and research.

A student administrator room, intended to assist with student-related administrative tasks.

Two rooms specifically designed for English Language Proficiency Testing, ensuring a conducive environment for language assessments.

Each space within our facility is tailored to enhance the learning experience, ensuring that both students and instructors have access to the best resources for their training and professional development needs

Training Facility
Key Amenities

Rest Areas

Café

Prayer room

Training Facility
Support Services

Accommodation and Transportation

STCAS is pleased to offer corporate rates for nearby hotels upon requests. We also arrange transportation for students to and from the training facility, ensuring a convenient and punctual experience. This comprehensive service enhances the training journey, allowing students to focus on their development while we take care of their accommodation and transport needs.

Dining Options

We provide flexible dining options, including lunches served at the training centre, as well as breakfast and dinner available at the hotel accommodation.
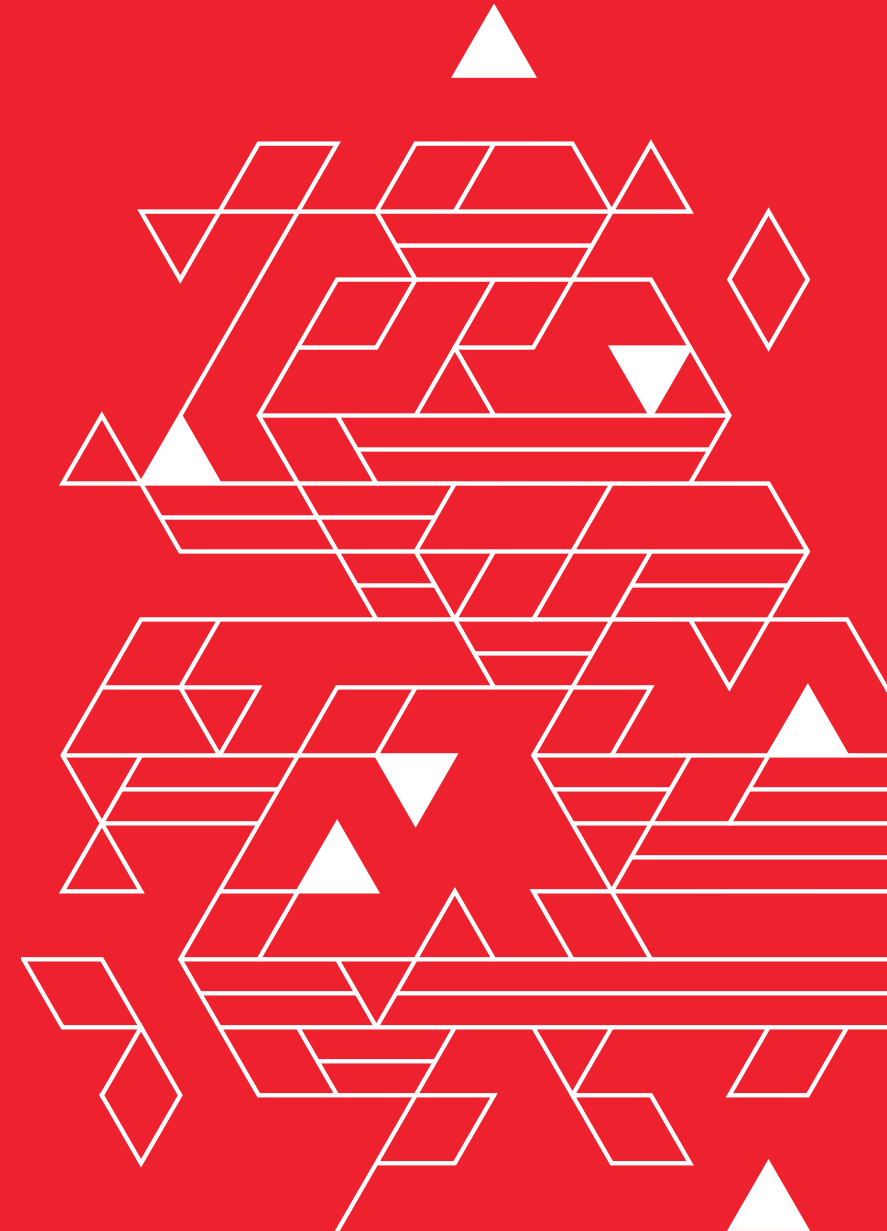
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Training Catalogue

Training Catalogue

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Air Traffic Control Courses

ICAO 051 (ATC Basic Training) Course

ICAO 052 (Aerodrome Control) Course

ICAO 052 Aerodrome Refresher Course

Combined ICAO 053/054 Approach Control Procedural & Surveillance Course

Combined ICAO 053/054 Approach Control Procedural & Surveillance Refresher Course

Combined ICAO 054/055 Area Control Procedural & Surveillance Course

Combined ICAO 054/055 Area Control Procedural & Surveillance Course

Introduction To Aviation Courses

Introduction To Aviation Law

Introduction To Air Traffic Management

Introduction To Aviation Meteorology

Introduction To Aviation Navigation

Introduction To Aircraft (Principles of Flight)

Introduction To Aerodrome and Ground Aids (AGA)

Introduction To Aeronautical Information Services (AIS)

AIS AIM Office Initial Training

Radio Telephony Training

Radio Telephony Training Airside Operational Staff

Radio Telephony Training Level - For Pilots

Radio Telephony Training Level - For Air Traffic Controller

Trainer The Trainer Courses

ICAO 219 (On-The-Job Training Instructor – OJTI) Course

ICAO 219 (On-The-Job Training Instructor – OJTI) Refresher Course

ICAO 219 (ATC Examiner/Assessor) Course

ICAO 219 (ATC Examiner/Assessor) Refresher Course

Training Catalogue

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Human Factors Training

Introduction To Human Factors in Aviation

Aviation Physiology - The Human Body

Aviation Physiology - Fatigue Management

Aviation Physiology - Stress Management

Aviation Psychology - Information Processing

Aviation Psychology - Individual Differences

Aviation Psychology - Human Error

The Human Element and Work Environment Relationship

The Human Element and The Organizational Work Environment Relationship

Interpersonal Relations - Team Resource Management (TRM)

Advanced Human Factors Training

Threat And Error Management Training

Critical Incident Stress Management (CISM) Course

Critical Incident Stress Management (CISM) Course – Refresher

Emergency Continuation Training

Emergency Continuation Training – Theory (For ATCs)

Emergency Continuation Training – Practical (For ATCs)

Continuation Training

Low Visibility Operations Training for ATCs

Basic Safety Management Systems(SMS) Training

Introduction Safety Management

Safety Management Fundamentals

Components Of Safety Management Systems

Safety Culture

Just Culture

Advanced Safety Management Training

Safety Performance Management

Safety Data Collection and Processing Systems

Safety Analysis

Protection Of Safety Data, Safety Information and Related Sources

State Safety Management

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Aviation Management Courses

ATC Watch Supervisor Course

ATC Unit Investigator Course

Capacity Development Courses

Training Management Course

Training Developers Course

Theoretical Instructor Course

Competency Based Training and Assessment Course

Quality Management Systems (QMS) Training

Quality Management Systems (QMS)

Auditor Course

Lead Auditor Course

Assessments

Assessment of Previous Competence (APC)

English Language Proficiency (ELP) Testing (ATCO, Pilot, Airside Drivers, FISO)

Aviation English Training

Basic Aviation English Course

Intermediate Aviation English Course

Advanced Aviation English Course

Project Management

Aviation Project Management Course

Leadership and Management Course

Airport Operations 1

Air Side Operations and Safety

Incident Investigation

Runway Safety

Airport Operations 2

Radio (RTF) Procedures for Air Side Drivers

Crisis Management and Emergency Planning

Understanding Aerodrome Design and Annex 14

Airport Collaborative Decision Making (A-CDM)

Airport Operations 3

Air Side Capacity Enhancement (Ace)

Airport Operations – Basic

Airport Operations – Advanced

Air Traffic Control for Airport Operators

Aerodrome Auditing and Compliance

Training Catalogue

Aviation Security Training

Aviation Security Awareness

Aviation Security Basic Training

Aviation Security Supervisors Training

Aviation Security Management Course

ANS Inspector Course

Safety Oversight Air Navigation (ANS) Inspectors

On-the-Job Training

Performance Based Navigation

Fundamentals, Oversight and Operations (Ops) Approval

Performance Based Navigation (PBN)

Fire Training

Fire Awareness

Fire Warden

Workplace Risk Assessor

Train the Trainer

Security Training

Incident Command Courses for Aviation

Bronze – Operational

Silver – Tactical

Gold - Strategic

Pseudo Pilot Training

Radiotelephony Training – Pseudo Pilot

Pseudo Pilot Training – Aerodrome Control

Pseudo Pilot Training – Approach Control

Pseudo Pilot Training – Area Control

First Aid Training

CPR and First Aid Training

STCAS training capability is not limited to the courses listed in the catalogue; we are fully equipped to deliver and customize/tailor any course to meet the specific needs and requirements of our customers.