

Innovative programs enhancing Air Traffic
Control education



Meeting Program

- Vision and Objectives of the Strategic Partnership
- Programme Portfolio and Customised Training Solutions
- Innovative Delivery Models and Technological Integration
- Accessibility, Financial Solutions, and Community Engagement
- Cooperation Opportunities and Sustainable Ecosystem Building



Addressing Training Gaps in the AFM Region



Training Availability Challenges

There are significant gaps in the availability of training programs for controllers in the AFM region, limiting skill development opportunities.



Improving Training Quality

The partnership focuses on providing high-quality training programs to improve controller competence and operational safety.



Enhancing Safety Standards

Enhanced training directly supports higher safety standards in air traffic control within the AFM region.

Maximising Reach and Affordability for Controllers

Expanding Training Access

Initiatives aim to broaden controller training availability to reach diverse economic regions worldwide.

Affordable Solutions

Developing cost-effective training tools enables controllers from various economies to participate and grow professionally.

Promoting Professional Growth

Accessible and affordable training supports controller skill development and career advancement.



Alignment with ICAO/EASA Standards and National Requirements

Compliance with ICAO Standards

Training programs strictly adhere to the International Civil Aviation Organisation standards to maintain global aviation safety and consistency.

Customization for National Regulations

Programs are customized to meet specific national regulatory requirements, ensuring local relevance and applicability.

Certification Validity

Alignment ensures that certifications issued are valid and recognized both nationally and internationally.





Comprehensive ATC Training: From Basic to Advanced

Fundamental ATC Training

Basic training equips new controllers with essential knowledge and skills for air traffic management.

Advanced ATC Training

Expert-level courses develop advanced competencies for managing complex air traffic scenarios.

Continuous Skill Development

Training ensures ongoing improvement and readiness across all controller experience levels.



Specialised Courses: AFISO, AIS-AIM, CISM Safety, Wellness and Leadership

AFISO Training

Training for Aerodrome Flight Information Service Officers focuses on providing crucial flight information at airports.

AIS and AIM Courses

Aeronautical Information Services and AIM training ensures accurate and timely aeronautical data management.

Safety Management Training

Safety management courses emphasize risk assessment and mitigation strategies in aviation operations.

Leadership Development

Leadership training develops skills tailored for air traffic controllers in managing teams and operations effectively.



Tailoring Content to Regional and National Needs

Customized Operational Environments

Programs adapt to varying operational conditions unique to different regions within the AFM area.

Language and Cultural Adaptation

Content is tailored to accommodate the languages and cultural nuances of each national context.

Regulatory Compliance

Programs are designed to meet specific local laws and regulations across the AFM region.



Innovative Delivery Models and Technological Integration

Virtual, Blended, and In-Person Training Approaches

Virtual Classrooms

Virtual classrooms provide remote learning through online platforms, allowing participants to join from any location.

Blended Learning

Blended learning combines online digital media with traditional face-to-face training for flexible education.

Face-to-Face Sessions

In-person training sessions facilitate direct interaction, fostering engagement and collaboration among learners.





SkySave Al-Powered Adaptive Learning Platform

AI Personalization

The platform utilises AI to customize learning paths tailored to each user's needs and preferences.

Optimized Knowledge Retention

Adaptive learning techniques improve memory retention and deepen understanding of material.

Skill Acquisition

The platform efficiently enhances users' skills through personalised learning strategies including simulations with instant feedback



SkyLab –
Community
Aviation
Training in
Schools &
Colleges

- Establish aviation clubs in schools across the AFM region
- Inspire and mentor students to consider careers in ATC and aviation
- Provide basic ATC and aviation awareness modules aligned with ICAO principles
- Link students to professional mentors including active ATCOs and industry leaders
- Organise site visits to control towers, training centres, and airports
- Create a clear pathway from school aviation clubs to formal training programmes

SkyPulse – Data-Driven Training Insight & Performance Management

- Centralized dashboard tracks learner progress across the AFM region
- Aggregates performance data from multiple training centers and platforms
- Identifies skills gaps, training needs, and emerging trends in real time
- Supports ANSPs, CAAs, and providers with evidence-based decision making
- Enables continuous improvement through analytics and feedback loops
- Benchmarks regional training outcomes against ICAO standards



Performance Analytics for Continuous Improvement

Monitoring Trainee Progress

Analytics track individual trainee performance to identify strengths and areas for development.

Evaluating Program Effectiveness

Data analysis assesses training program success to guide future improvements and decisions.

Enabling Continuous Refinement

Ongoing data insights support iterative updates to optimize training outcomes continuously.



Accessibility,
Financial
Solutions, and
Community
Engagement



Multi-Currency Payment and Scholarship Schemes

Flexible Multi-Currency Payment

Offering payment options in multiple currencies helps participants from different countries easily access services.

Scholarship Programs

Scholarships reduce financial barriers, enabling wider participation from economically diverse groups.



SkyLab: Aviation Clubs, Mentorship, and Youth Outreach

Community Building Through Clubs

SkyLab promotes aviation interest by creating clubs that encourage collaboration and learning among enthusiasts.

Mentorship Opportunities

Experienced professionals mentor youth, providing guidance and fostering skills in aviation control and related fields.

Youth Engagement and Inspiration

Engaging youth through outreach programs inspires the next generation to pursue careers in aviation control.





Supporting
Self-Funded
Controllers
and Diverse
Economies

Self-Funded Training Support

Special measures assist controllers who finance their own training, ensuring access to essential resources.

Economic Diversity Recognition

Support measures acknowledge the varied economic backgrounds within the regional workforce.

Cooperation
Opportunities
and
Sustainable
Ecosystem
Building





Joint Course Delivery and Local Centre Collaboration

Joint Course Delivery

Partners collaborate to deliver courses together, enhancing resource sharing and course quality.

Local Centre Collaboration

Working with local training centers extends reach and ensures consistent quality standards.





Sharing Best Practices in Simulator Exercises and Al Learning

Collaborative Knowledge Sharing

Sharing effective simulation techniques encourages teamwork and enhances learning outcomes in training programs.

AI-Powered Learning Innovations

Al technologies support adaptive learning and provide personalized feedback to improve simulator training.

Continuous Improvement

Ongoing exchange of best practices drives program enhancements and fosters innovation in simulation training.



Leading the Future of Aviation Training

- Decades of operational and training experience across Africa & the Middle East
- Deep understanding of regional challenges, from resource limitations to skills gaps
- Leveraging ICAO-aligned programmes, modern delivery methods, and AI innovation
- Creating an **unprecedented opportunity** to transform aviation training in the AFM region
- Becoming the first to set the pace no more following where others lead
- Setting **new regional standards** that can influence global training practices

Conclusion

Strategic Partnership

The collaboration merges expertise to enhance regional air traffic control training effectiveness and reach.

Comprehensive Training Programs

Programs offer extensive training modules that improve ATC skills and knowledge across the region.

Innovative Technology Use

Utilizing modern technology ensures advanced and effective air traffic control education and operations.

Accessibility and Collaboration

Ensuring accessible training and encouraging collaboration fosters a safer and more skilled ATC community.