



# Egyptian Civil Aviation Ministry



# Proposal for the PIDA Fund Program



# Building Aviation Abilities in Africa

- Recent studies shows that number of Aviation Professionals in Africa is decreasing, and there is shortage in Pilots and Maintenance Personnel\*.
  - One of the problems is Personnel Training Costs and Duration needed to have required approvals.
  - Most individuals cannot afford these costs, whilst aviation companies require qualified personnel.
  - Providing the fund for training will help individuals to be qualified as professional candidates for aviation companies.
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- \*Ref: MRO Africa Cairo 2018



# Program for Infrastructure Development in Africa (PIDA)

- PIDA program has provided a fund to be used in developing the aviation industry in African countries.
- Egypt's proposal for using the PIDA fund in training the required African Aviation Professionals to fulfill the Aviation Industry personnel needs.
- Training will be provided by the Egyptian Civil Aviation Approved Training Academies.
- Egyptian Aviation Training Providers Cover Full Spectrum of Aviation Training



# Egyptian Civil Aviation



**Vision:** A discrete civil aviation sector at worldwide and a pioneer upon Africa and Middle East.



**Mission:** Enhancing the civil aviation sector to aim the global levels through the industry competitive determinates, to keep up with the internal and external variables to ensure the customer satisfaction with the services provided.



# Egyptian Aviation Training Providers

جمهورية مصر العربية  
وزارة الطيران المدني

## EGYPTAIR Training Academy

- Commercial Pilots
  - EASA TRTO (A320-A330-A340-B777-B737)
- Aircraft Maintenance
  - Basic
  - EASA 147 Type
  - A320-A330-A340-B777-B737-E170
- Cabin Crew
  - Emergency – Flight Service
- Cargo and DGR
- Aviation Security
- Airport Handling
- Ticketing & Reservations
- Ground Services
- Safety Management
- Undergraduate Internship Training

Located in Cairo  
Inside Cairo International Airport

## Egyptian Aviation Academy

- Private Pilot License ( PPL )
- Instrument Rating ( IR )
- Commercial Pilot License (CPL)
- Multi Engine Rating
- Aircraft Maintenance
  - Basic
  - Small Aircrafts (EASA-ICAO)
- Air Traffic Controllers(Level 1 to Radar)
- Communications officer License
- An information officer License
- Civil Aviation Management Training (Airport Management- Security- Air Cargo -dangerous Goods- Safety- Quality - QMS-SMS)
- Aviation and cargo security
- Aviation Medicine (Basic - Advanced - Diploma)

Located in 6<sup>th</sup> October Airport  
Near Sphinx Airport



## EGYPTAIR TRAINING ACADEMY

- 64 equipped classrooms cover wide range of training activities
- Synthetics Training Devices
  - Full Flight Simulators (A320 – A330/A340 – B777 – B737NG) - (EASA Approved)
  - In addition to 2 Simulators for A220 and A320neo soon.
  - FMST Trainers
  - Emergency Evacuation Trainer
  - Cabin Service Trainers (Wide / Narrow Bodies)





# EGYPTAIR Training Academy

جمهورية مصر العربية  
وزارة الطيران المدني

- Flight Crew Type Training
  - Ground – FFS - FMST – CRM - MMC
- Cabin Crew Training
  - Emergency – Cabin Service – Image & Appearance
- Technical Training
  - Basic (ICAO) – EASA 147 - Overhaul - Structure
- Ground Services Training
  - Ramp Safety – Aircraft Loading - Equipment Maint.
- Corporate Training
  - Ticketing – Airport Handling – Cargo – Security – Food Safety – SMS - Quality







# EGYPTAIR TRAINING ACADEMY

جمهورية مصر العربية  
وزارة الطيران المدني





# EGYPTAIR TRAINING ACADEMY

- **Certificates**
  - ISO (9001 – 14001 – 18001)
  - EASA 147 (A230 – A330 – A340 – B777 – B737NG – E170)
  - Flight Training EASA ATO
  - TRAINAIR Plus Full Member
  - National Quality Institute ( Quality – Food Safety)
  - ICAO Aviation Security Training Center
- **ECAA Approvals**
  - Technical Training Center
  - Aviation Training Center
  - Ground Services Training Center
  - Human Resources Training Center
  - Emergency Training Center



## Egyptian Aviation Academy

- 38 Training aircrafts of different types.
- 4 Cessna Citation Mustang (V.L.J).
- 2 Baron (multi engine ) G58 .
- 2 Bonanza G36 .
- 7 Flight training devices.
- Air Traffic Control labs (AIS - 051/052/054/054A ).
- 26 Classrooms for all training fields.
- 3 Great halls.





# Egyptian Aviation Academy

- Misr Flying College
- Air Traffic Control College
- Civil Aviation Management Training College
- Aviation Medicine Center
- English Language Center





# Egyptian Aviation Academy

جمهورية مصر العربية  
وزارة الطيران المدني





# Egyptian Civil Aviation Academy

جمهورية مصر العربية  
وزارة الطيران المدني

- Certificates
  - ICAO Regional Training Center for Flying Training
  - ICAO Regional Training Center for Air Traffic Control
  - ICAO Approved Designated Medical Examiners Program
  - TRAINAIR Plus Full Member
- ECAA Approvals
  - Air Navigation services Training Organization
  - Civil Aviation Management Training College (CAMTC)
    - Maintenance – Security - Dispatchers





# Egyptian Civil Aviation Ministry



# NANSC



*Safety is our priority*



## VISION

TO BE A WORLD CLASS AIR NAVIGATION SERVICES PROVIDER

## MISSION

We are Committed to :

Provide safe, orderly and expeditious Aviation Flow of air traffic .

Achieve the highest air navigation services quality levels for NANSC Domestic and International Customers at reasonable Cost .







# NANSC Certificates

جمهورية مصر العربية  
وزارة الطيران المدني



**MINISTRY OF CIVIL AVIATION**

**Egyptian Civil Aviation Authority**  
**CERTIFICATE**

*Pursuant to the Egyptian Civil Aviation Regulations Parts: 171, 172, 173, 174 & 311 under authority of Law 28/1981 and its amendments 136/2010, the Egyptian Civil Aviation Authority hereby approves the **National Air Navigation Services Company (NANSC)** as an Air Navigation Service Provider Compliant with the common required applicable to the services and therefore capable of providing them.*

*This certificate is valid for provision of ATS, AIS and CNS until **October 15, 2019***

*Effective Date: **October 16, 2016***

3/11/2016  
**Eng. / Hany Eladawy**  
President of  
Egyptian Civil Aviation Authority

DNV-GL

**MANAGEMENT SYSTEM  
CERTIFICATE**

Certificate No.: 150275-2014-AQ-ARE-RvA Initial date: 13 March 2008  
Expiry date of last certification cycle: 13 March 2017  
Date of last recertification: 27 December 2016 Valid: 24 May 2018 - 24 May 2020

This is to certify that the management system of

**National Air Navigation Services Company**

11776, Cairo, Egypt

has been found to conform to the Quality Management System standard:

**ISO 9001:2015**

This certificate is valid for the following scope:

Providing Aeronautical Information Services.  
Providing Air Traffic Control Services.  
Providing Air Navigation Engineering Facilities  
(EA Sector: 31)

Place and date:  
Vimercate (MB), 04 June 2018

For the Issuing Office  
DNV GL - Business Assurance  
Via Energy Park, 14  
20071 Vimercate (MB) - Italy

**Zeno Beltrami**  
Management Representative

The RvA is a signatory to the IAF MLA

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.  
ACCREDITED UNIT: DNV GL Business Assurance B.V., ZWOLSEWEG 1, 2994 LB, BARENDRECHT, NETHERLANDS. TEL: +31102922689. www.dnvgl.com

## Achievements

- ✈ Handling the volume of annual air traffic more than 500,000 Aircraft / year .
- ✈ Designing SID & STAR procedures for Egyptian airports according to the Egyptian planning presented to the International Civil Aviation Organization (ICAO) .
- ✈ Training of civil aviation science (SMS – PBN – TOT – LCE – OJTI – Quality - -----) .
- ✈ Training African countries on PBN .







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## *NANSC Can Offers You :*



# NANSC Can Offers You Training :



## SMS Training and Implementation



## AIS Training and Implementation

- Examples of The non traditional , customized courses which we can provide for AIS sector:-
- ✈ NOTAM.
  - ✈ AIP AMDT.
  - ✈ AIP SUP.
  - ✈ Basic AIS Cartography.
  - ✈ Advanced AIS Cartography.
  - ✈ Special AIS Cartography.
  - ✈ AIS Automation.
  - ✈ Basic Geodesy.
  - ✈ World Geodetic System-84 & Co ordinate Systems.
  - ✈ Geographical Information System-GIS.
- The transition from AIS to AIM.
- ✈ New FPL.
  - ✈ Briefing office.
  - ✈ Data verification and validation.
  - ✈ E . AIP.
- And many of the other courses which be differentiated from the other institutes in the practical side.

## Investigation and Recommendations Process Training and Implementation

## Aviation English Training Center .

### OUR Consulting Team



**Mr. Ahmed Fouad Hakeel**  
ANS and Training Expert , he joined National Air Navigation Services Company (NANSC) 1987 As an ATCO, he became specialist in the aviation international affairs, Euro control and ICAO issues, he obtained bachelor Degree Of Aeronautical Science (major air traffic control) from The Egyptian Aviation Academy ATC supervisor Familiarization from Northrop Grumman in USA , ICAO ATS Instructor Expert (Registered in the ICAO Technical co-operation Bureau roster as Air Traffic Services Instructor Expert (April 2011), he have a multicultural experience as he acted as ATS instructor in South Africa ATNS, USA university of North Dakota UNDO . Because Head of training department for Hurgada International Airport -2013



**Mr. Mohamed Said Mohamed**  
ANS Expert and Aviation Safety Management Expert , he joined National Air Navigation Services Company (NANSC) 1998 As an ATCO, he obtained bachelor Degree Of Aeronautical Science (major air traffic control) from The Egyptian Aviation Academy Master Plan Committee, Member of NANSC Committee of FDS implementation in Egypt, Member of NANSC Safety Auditing Team, Member of Egyptian ATC Incentive Investigation Team, Member of NANSC Emergency Response Plan Committee, Member of NANSC Safety Requirements Manual Committee, Member of Egyptian Civil Military Cooperation Committee, Office, Member of NANSC Re-Design Egyptian Airspace.

For NANSC Consultancy Services and Information contact:  
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approach and area surveillance covered  
"Real World" working environment for Approach and Area  
surveillance Control  
Capability for simulated realistic Meteorological and  
Survivability effects and information  
The capability to simulate real world SIDS/STARS and RNAV  
(GNSS) procedures  
Complete dynamic navigation of aircraft  
Exercise replays and playback with digital voice and radar readings



Ability to conducting annual proficiency checks upon completion of initial training



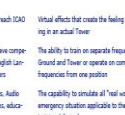
Items Covered presented by NANSC  
Air Traffic Flow Management  
ATIS Contingency Planning  
Aeronautical AIS  
Aeronautical communication Operation  
GTT Centre  
Human Factors Course  
Safety Management System (SMS)  
SMS concept and map designing  
RNO  
GNSS  
Performance based navigation (PBN)  
RNO  
GNSS/ATN  
Engineering consultancy and support for :  
SLS, UNICAT, UNICAT, Microvare, Klab and more



Our Aviation English lab can accommodate 12 delegates per course. This lab is equipped with the latest training audio technology which facilitates learning process



English Language courses for ATCOs to reach ICAO level 4  
Our courses have been designed to achieve competence according to ICAO standards in English Language Proficiency for ATCOs, Pilots and others  
Training will consist of classroom lectures, Audio practical applications, video presentations, video-based drills to Service Units  
The WII 3D ATC Simulator boasts the following capabilities:  
State of the 3D Aeronautical Control Simulator



Independent pseudo pilot positions  
Realistic aircraft surrounding for the pseudo pilot position operating on headset which includes audio and visual effects

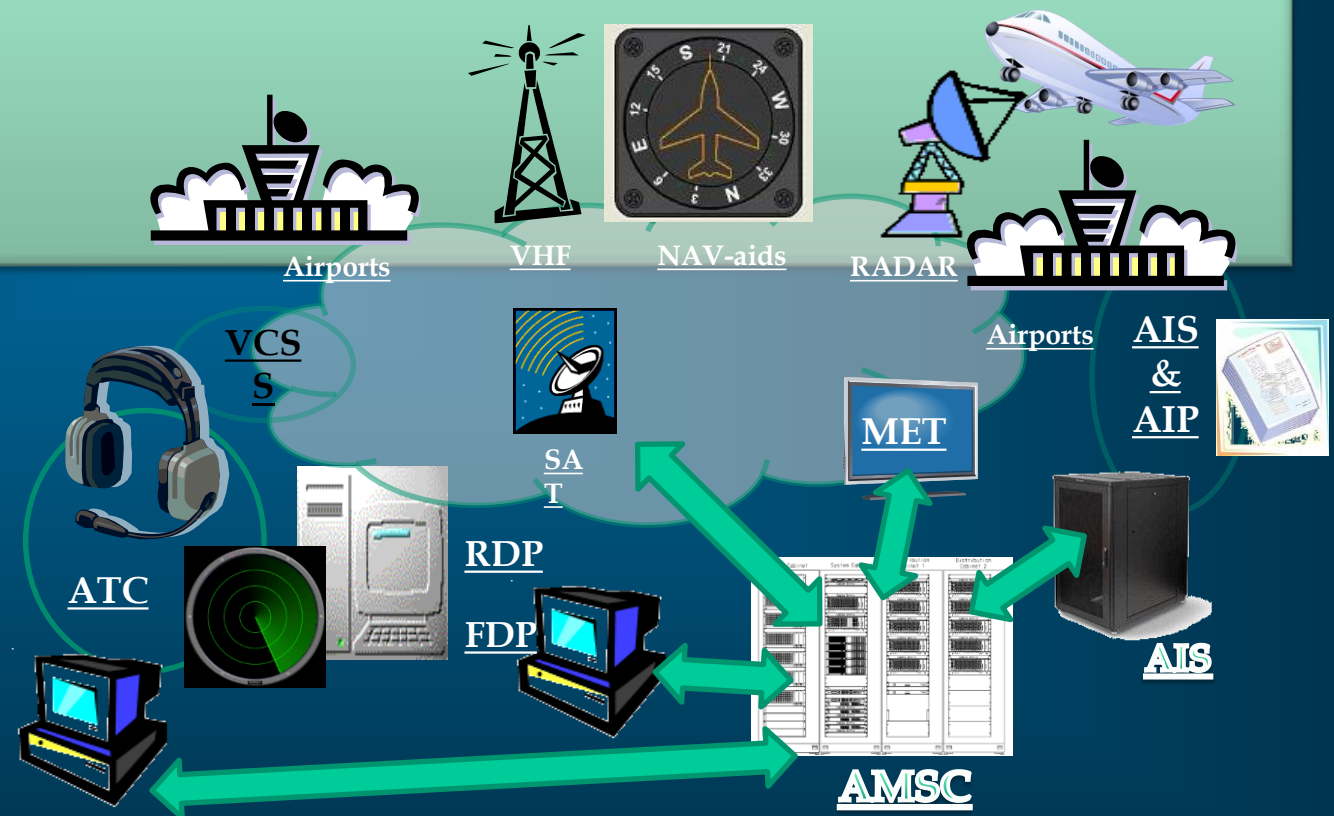


Virtual effects that creates the feeling of working in an actual Tower  
The ability to train on separate frequencies for Ground and Tower or operate on combined frequencies from one position  
The capability to simulate all "real world" emergency situation applicable to the level of training delivered.



## Support you In :

- ✈ ATC Operation Unit .
- ✈ AIS Objective .
- ✈ Aeronautical Publications .
- ✈ Aeronautical Charts .
- ✈ Communication Navigation System .





*NANSC Can Offer You Consultancy to Providing Air Navigation Services*



Thank you for kind  
Attention