

# FAA ACADEMY

## Airports & International Training Division (AMA-800)



Presented to: NAM/CAR/CATC/WG/2

Date: December 2014

By: Carlos Agueda, Program Manager

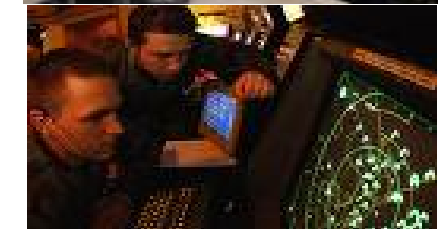
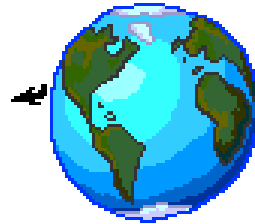


Federal Aviation  
Administration



# Categories of Training

- Air Traffic
- Technical Operations
- Aviation English
- Flight Standards
- Airports
- Flight Procedures
- Management Training
- On-the-Job Training
- Technical Assistance
- Instructor Techniques
- Training Evaluation



# Airports and International Training Division

## Support of ICAO Programs

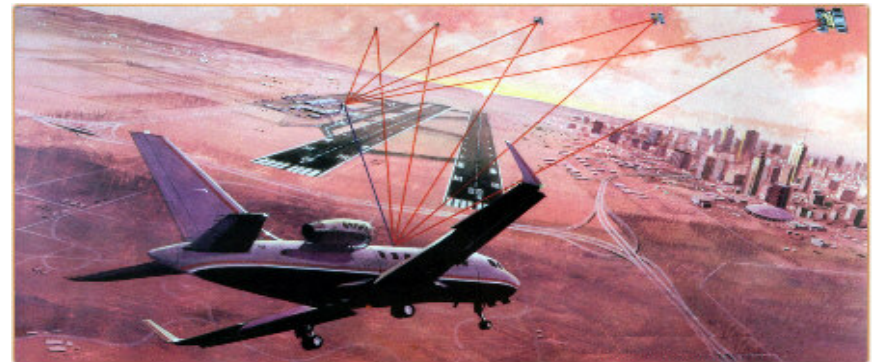
- Approved ICAO Training Facility
- Aviation English Language Training
- Procedures for Air Navigation Services – Operations (PANS/OPS) Training
- ICAO Endorsed Government Safety Inspector (GSI) Training
  - Operations
  - Airworthiness
  - Personnel Licensing



# Flight Procedures/Flight Inspection Training Program

Provides services to ensure the standard development, evaluation, and certification of airspace systems, procedures, and equipment for customers worldwide.

- Courses in U.S. and ICAO Standards
  - PANS-OPS Basic, PBN & Refresher Course
    - 'On the Job Training' Assistance
  - TERPS Intro, PBN, Departure, Overview
- International Flight Inspection Course



# Flight Standards Training Program

- Inspector Training System (ITS)
- Surveillance of Service Providers – International
- Air Operator Certification – Ops & AW
- Extended Diversion Time Operations (EDTO)
- Resolution of Safety Concerns (RSC)
- Manage the Government Safety Inspector (GSI) courses



# ITS – International Flight Standards

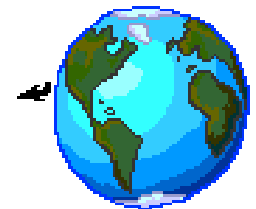
- Provides turn-key system and operational framework
- Develops aviation safety inspectors from new hire status to full performance level
- Ten day course
  - Course focus:
    - Training system management
    - On the job training (OJT)





# Principles of Safety Management Systems

SMS is a proactive management system that has the capability to expand levels of operational safety well beyond regulatory minimums by treating safety as a core business enterprise. This course provide a solid foundation in basic concepts to support further implementation of SMS in an organization. SMS is now required by the International Civil Aviation Organization (ICAO) for all safety service providers.



# Government Safety Inspector- ICAO

- Four GSI courses designed for airworthiness and operations inspectors endorsed by ICAO
  - Government Safety Inspector- Operations
  - Government Safety Inspector- Approved Training Organization (ATO)
  - Government Safety Inspector- Personnel Licensing (PEL)
  - Government Safety Inspector- Airworthiness





# English Proficiency

## ICAO English Language Proficiency Standards:

By March 2011, all member states must comply with ICAO language proficiency requirements for air traffic controllers and flight crews involved in international operations or post their implementation plans for compliance on the ICAO website.



# FAA Academy Aviation English Proficiency Solutions

## 15004 Aviation English for Air Traffic

This 24-day course aids participants in reaching ICAO language proficiency operational level 4.

Aviation professionals learn and practice English to handle specific ICAO air traffic control procedures. This course includes technical content from international air traffic training, rules of the air, navigation, air traffic processes and facilities, teamwork, and other aviation industry issues.

Class sessions include video and audio recordings, group work, individual projects, presentations and practice.

# FAA Academy Aviation English Proficiency Solutions

## 15005 Instructor Development: Aviation English

This 9-day course is designed for English as a Second Language teachers, flight or air traffic instructors, or program administrators to gain theory of language acquisition and practice effective English teaching with aviation content.



International Training  
Division

# Airports Training Program

- Domestic training of all FAA Airports employees
- Training Focus:
  - Airport infrastructure improvement programs
  - Airport safety and certification programs



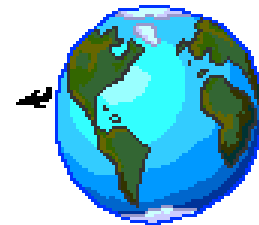
# Air Traffic Training Program

## → 15520 AT Quality Assurance Program

This 6 day course covers service improvement programs, incident prevention programs, incident reporting programs and facility evaluations.

## → 15521 AT Training Administration

This 5 day course covers requirements for developing a training order, a training plan and a training folder for each controller documenting their training.



# Tech Ops Training Program

## → Course 03100009: TakeOff2Landing

Three day course provides training for Program Management Professionals (PMPs) and anyone who requires a general understanding of the FAA's National Airspace System (NAS) and its operation. The course consists of lessons about DOT, FAA, Introduction to the National Airspace System (NAS), the seven phases of flight, and FAA's Modernization of the NAS. The last day is a tour of local FAA facilities.

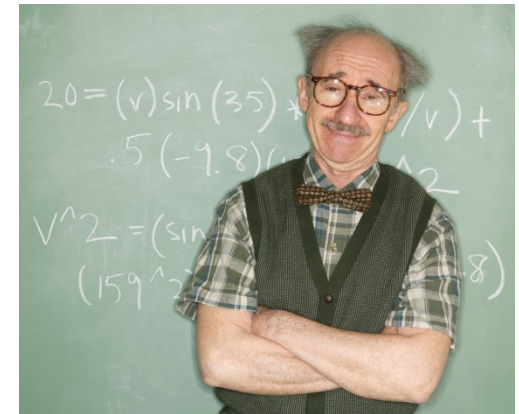




# Tech Ops Training Program

## → Course 15430780: Mathematics Refresher

This four day course is a review on the subject areas of Algebra, Trigonometry, Periodic Waves and Phasor Analysis, and Logarithms and dB. This course contains 32 hours of lecture with step-by-step instruction on mathematical functions and calculations for problem solving.



# Tech Ops Training Program

## → **Course15430782: Transmission Lines and Antenna & Radiation Patterns**

This eleven (11) day course covers Transmission Lines and Antennas and Radiation Patterns.

Transmission Lines is six days and includes: Concepts of transmission line theory, standing wave pattern, transmission line impedance, quarter-wavelength transformers, single-stub impedance matching, balance-to-unbalance transformations, and transmission line bridges.

Antennas and Radiation Patterns is five days and includes: Basic concepts and definitions, Antenna pairs with equal antenna currents, antenna pairs with unequal antenna currents, specific antenna pairs, and multiple antenna pairs and the image antenna.

# Instructor Training for International Participants

Provide leadership and set standards for training development and delivery and provide training for subject matter experts and others on development teams at the Academy, throughout FAA, and around the world.

# Instructor Training for International Participants

- International Instructor Training (17 days)
- Curriculum Development (7 days)
- Instructional Testing (5 days)



# Airports and International Training Division

How to find us

→ [www.faa.gov](http://www.faa.gov)

Click on ;

- ✓ Training & Testing
- ✓ FAA Academy
- ✓ International Training



# AMA-800 Organization

Division Manager Mary Nelson 405.954.3508

Branch Manger Doug Andresen 405.954.0170

Program Analyst Amy Brummett 405.954.9248

Clarissa Renner 405.954.5970

## Program Managers

Flight Standards Dave MacDonald 405.954.6713

Carlos Agueda 405.954.8175





# AMA-800 Organization

<u>Instructor Training</u>	Bob Rescinito	405.954.7954
<u>Aviation English</u>	Sherri Cottle	405.954.7102
<u>Airports</u>	Charles Carroll	405.954.5907
	Ryan O'Dell	405.954.2323
<u>Tech Ops</u>	Karen Woodring	405.954.6651
<u>Air Traffic</u>	Tom Honeycutt	405.954.6566
<u>Flight Procedures</u>	Steve Blue	405.954.1085

# FAA ACADEMY

## Airports & International Training Division (AMA-800)

Location: 6500 S. MacArthur Boulevard  
AMA-800 / ANF-2 / Bldg. 12 / Rm 101  
Oklahoma City, OK 73169

Phone: (405) 954-3508

Fax: (405) 954-4779



Federal Aviation  
Administration

