

FAA Academy

Inspector Training System

Presentation to: SRVSOP-Symposium on
Safety for Safety Directors

By: Dave MacDonald, FAA Academy

October 12, 2012



FAA Academy



Federal Aviation
Administration



Federal Aviation
Administration

- Findings: ICAO USOAP & FAA IASA
- Need for Common Standard for Training & Qualification of Aviation Safety Inspectors



Inspector Training System

- Provides a comprehensive system for managing the training and qualification of new inspectors that includes:
 - ✓ ICAO requirements
 - ✓ Formal classroom training course requirements
 - ✓ Inspector training profiles
 - ✓ Technical requirements for all inspector specialties



Inspector Training System

- Fully addresses:
 - ✓ Training system management
 - ✓ Planning
 - ✓ Scheduling
 - ✓ Resource Allocation
 - ✓ Final Inspector qualification requirements
 - ✓ On-The-Job Training
 - ✓ Database for recordkeeping
- ITS installs a simple ICAO compliant inspector training program at a CAA



ITS System: Only 2 Training Profiles!

Operations
Inspectors

Airworthiness
Inspectors



Principal

Dispatcher

Cabin
Safety

PEL

Avionics

Supervisor



Ten Possible Job Specialties!

ITS = Performance Based Training

Operations Inspector Training Profile

Job Function	Duty	OPS Task #	Task Description
3.0 Surveillance		3.000	
Formal Course Name: Air Operator Surveillance - Formal Course Number: 3001			
Surveillance	Air Operator	3.001	Plan
Surveillance	Air Operator	3.002	Conduct an Straight Ramp Inspection
Surveillance	Air Operator	3.003	Conduct Airplane Ramp Inspection
Surveillance	Air Operator	3.004	Conduct a Cabin En Route Inspection
Surveillance	Air Operator	3.005	Conduct a Cockpit En Route Inspection
Surveillance	Air Operator	3.006	Inspect a Line Station Operation and Facilities
Surveillance	Air Operator	3.007	Inspect Trip Records
Surveillance	Air Operator	3.008	Inspect Crew & Di
Surveillance	Air Operator	3.009	Inspect a Check A
Surveillance	Air Operator	3.010	Inspect a Main Op

**427 Possible
Job Functions**
Ops 247 / AW 180

**Each Described in
ITS Job Task
Analysis**

ITS = Performance Based Training

Operations Inspector Training Profile

Job Function	Duty	OPS Task #	
3.0 Surveillance		3.000	
Formal Course Name: Air Operator School			
Formal Course Number: 3001			
Surveillance	Air Operator	3.001	Plan a Surveillance Work Program
Surveillance	Air Operator	3.002	Conduct an Unmanned Light Ramp Inspection
Surveillance	Air Operator	3.003	Conduct Airplane Ramp Inspection
Surveillance	Air Operator	3.004	Conduct a Cabin En Route Inspection
Surveillance	Air Operator	3.005	Conduct a Cockpit En Route Inspection
Surveillance	Air Operator	3.006	Inspect a Line Station Operation and Facilities
Surveillance	Air Operator	3.007	Inspect Trip Records
Surveillance	Air Operator	3.008	Inspect Crew & Dispatch
Surveillance	Air Operator	3.009	Inspect a Check Airplane
Surveillance	Air Operator	3.010	Inspect a Main Operation

Structured OJT on Assigned Tasks

Described in ITS OJT Guide

ITS Training Profile

Operations Inspector Training Profile			
Job Function	Duty	OPS Task #	Task Description
3.0 Surveillance		3.000	
Formal Course Name: Air Operator Surveillance - Operations			
Formal Course Number: 3001			
Surveillance	Air Operator	3.001	Plan a
Surveillance	Air Operator	3.002	Conduct
Surveillance	Air Operator	3.003	Conduct
Surveillance	Air Operator	3.004	Conduct
Surveillance	Air Operator	3.005	Conduct
Surveillance	Air Operator	3.006	Inspect a Line Station Operation and Facilities
Surveillance	Air Operator	3.007	Inspect Trip Records
Surveillance	Air Operator	3.008	Inspect Crew & Dispatch Records
Surveillance	Air Operator	3.009	Inspect a C
Surveillance	Air Operator	3.010	Inspect a M

Tasks Grouped Together Under Associated Classroom Courses

Described in ITS Formal Course Standards

ITS Training Profile

Operations Inspector Training Profile			
Job Function	Duty	OPS Task #	Task Description
3.0 Surveillance		3.000	
Formal Course Name: Air Operator Surveillance - Operations			
Formal Course Number: 3001			
Surveillance	Air		
Surveillance	Air		
Surveillance	Air		
Surveillance	Air		
Surveillance	Air		
Surveillance	Air		
Surveillance	Air		
Surveillance	Air		
Surveillance	Air		
Surveillance	Air		

Principal PD Requires 5 Courses:

- Indoctrination
- Air Operator Certification
- Inspections
- Licensing
- Compliance & Enforcement

Training Required

Training
Category

Formal Course

Described in Formal Course Standards

3.0 Surveillance

3.000

Formal Course Name: Air Operator Surveillance - Operations

Formal Course Number: 3001

Job Tasks

Described in JTA

OJT

Surveillance	Air Operator	3.001	Plan a Surveillance Work Program
Surveillance	Air Operator	3.002	Conduct an Ultralight Ramp Inspection
Surveillance	Air Operator	3.003	Conduct Airplane Ramp Inspection
Surveillance	Air Operator	3.004	Conduct a Cabin En Route Inspection
Surveillance	Air Operator	3.005	Conduct a Cockpit En Route Inspection

Final Inspector Qualification =

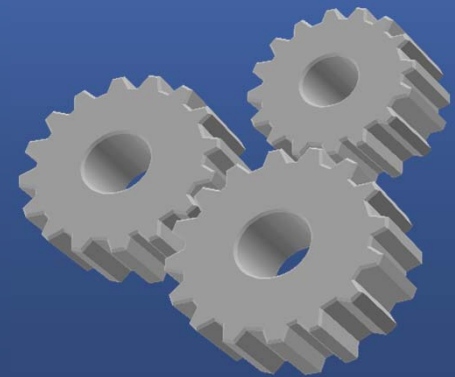
Inspectors must complete both:

- 1. Formal Training Course***
- 2. On-the-Job Training***

for a Job Task before given the authority to accomplish that Job Task without supervision.

5 ITS System Components

1. ITS Program Guide
2. ITS OJT Guide
3. ITS Formal Course Standards
4. ITS Job Task Analysis
5. ITS Training Record Software



1. ITS Program Guide

- A comprehensive guide describing the ITS training process
- Training Profiles for OPS & AIR
- 10 Position Descriptions

2. ITS OJT Guide

- Detailed procedures for the conduct of On-the-Job-Training
- 3-Phase OJT system implementation
- 3-Levels OJT delivery process
- Instructions for Training Record software

3. ITS Formal Course Standards

Describes the minimum requirements for all formal classroom style inspector training courses.

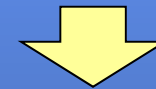
4. ITS Job Task Analysis

- Detailed description of each inspector job function.
- Separate JTAs for OPS and AIR.
- Includes supporting documentation and step-by-step subtasks.

5. ITS Training Record - Software

- Microsoft Access.
- Permanent record of all training completed.
- For OPS & AIR inspectors.
- Automated reports for managers!

**Training
Category**



**Formal
Course**



**OJT /
Job Tasks**

ITS Training Record

Worksheet or Software!

Operations Inspector Training Profile Worksheet

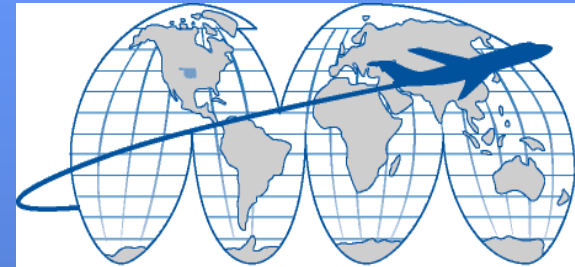
Inspector Name: **Darla Mapoze**

1.0 Indoctrination		1.000						
Formal Course Name: New Employee Orientation								
Formal Course Number: 1001								
Date Completed: 15 October 2009								
Task	Description	Planned Date	Level 1		Level 2		Level 3	
			Date	Initials	Date	Initials	Date	Initials
1.001	Employee benefits	20 Oct 09	20 Oct 09	SPF	21 Oct 09	SPF	22 Oct 09	SPF
1.002	Time and Attendance							
1.003	Employee Training and Development							
1.004	Office Communications							
1.005	Computer Systems							
1.006	Managing Resources							
1.007	Employee Ethics							
1.008	Labor Unions							
1.009	Conduct and Discipline							
1.010	Travel							
1.011	Security							

ITS Training Course

- 10 Days
- For managers & OJT instructors
- ICAO Requirements
- ITS System
- ITS Components
- Recordkeeping & Reports
- OJT Process

Inspector Training System



- **Complete system**
- **New hire to retirement**
- **All necessary components**
- **Built on best practices**
- **Complies with ICAO**
- **Complies with IASA**

1. China, 2006
2. Dom. Rep., 2007
3. Colombia, 2008
4. Nigeria, 2008
5. Ghana, 2010
6. Afghanistan, 2011
7. Kenya, May 2011
8. Uganda/CASSOA, May 2011
9. Tanzania, Rwanda, Burundi, June 2011
10. COSCAP-CIS, September 2011
11. Saudi Arabia, October 2011
12. All BAG States, 2012
13. All SADC States, 2012
14. Open enrollment: Croatia, Jamaica
15. Six courses scheduled 2013

ITS
Delivered

Contact:

Dave MacDonald
FAA Flight Standards
FAA Academy International Training

dave.macdonald@faa.gov

FAA Academy International Training Division

Inspector Training System



Thank You!

