

# International Council of Air Shows (ICAS) Convention 2011



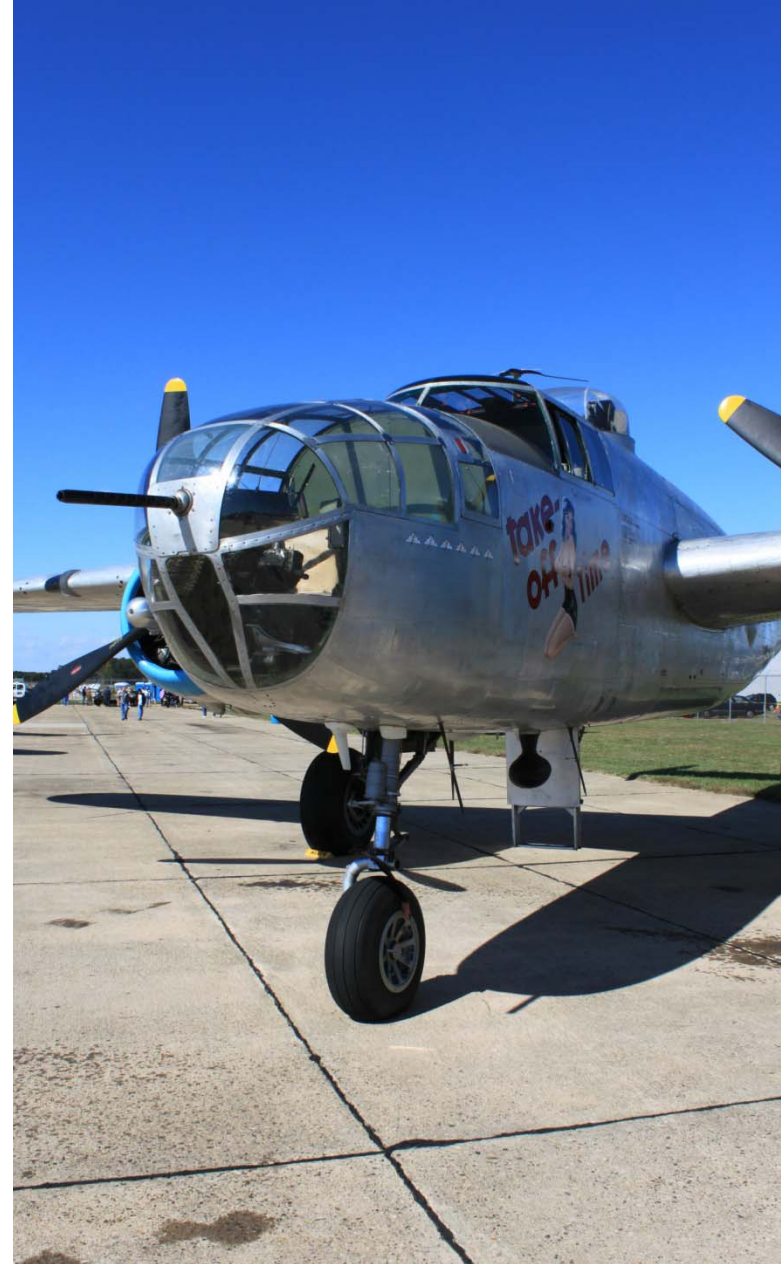
Federal Aviation  
Administration



Presentation to: ICAS members  
Name: Michael W. Umstead  
Date: December 7, 2011

# Overview

- **Intro and Recognition**
- **Speaker's Background**
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- **National (AFS-800) Aviation Events Team**
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- **FAA Concerns at Aviation Events**
- **Policy Revisions**



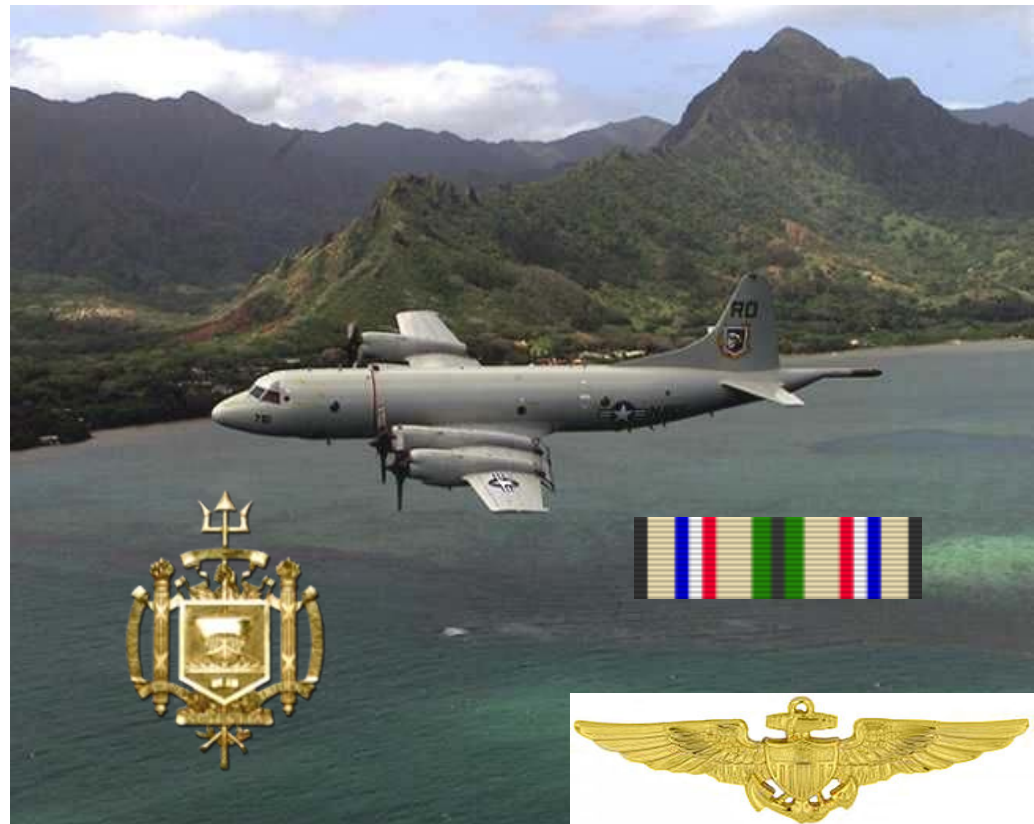
# Introduction and Recognition

- Thanks to ICAS Officials and Staff
- Recognition of FAA Personnel
- Speaker's Background



# Speaker's Background

- US Navy (1985 – 2000)
  - USNA Class of 1990
  - VP-47, USAF (T-37)
  - Desert Storm/Desert Shield Service Veteran
  - Aerobatics experience
- Civilian (2000 – Present)
  - 25 years GA experience
  - CFI, CFII & MEI
  - Commercial airline pilot
  - FAA GA Ops ASI/POI
  - FAA Air Show IIC
  - National Aviation Events Specialist (Present)



# Definition of Aviation Event

FAA Order 8900.1, Volume 3, Chapter 6, Section 1

“Aviation events include *air shows, closed course air races, parachute demonstration jumps, balloon meets, and fly-ins* conducted before an invited assembly of persons, for which the FAA issues a Certificate of Waiver or Authorization”



## FAA Lines of Business (LOB) Related to Aviation Events

- FAA
- 14 LOB, including -
  - Aviation Safety (AVS)
    - 7 LOB, including -
      - Flight Standards (AFS)
        - National-HQ (AFS-800)
        - 8 Regional Offices
        - 82 Flight Standards District Office (FSDO)
  - Air Traffic (ATO)



# National (AFS-800) Aviation Events Team

- Mel Cintron – AFS-800, General Aviation and Commercial Division
- Tom Glista – AFS-830, General Aviation Operations Branch
- Mike Umstead – National Aviation Events Specialist
- 8 Regional Aviation Events Specialist (RAES)
  - Alaska, Western Pacific, Northwest Mountain, Southwest, Great Lakes, Central, Southern, Eastern
- 5 FSDO General Aviation Safety Inspectors (Ops and AW)



# National (AFS-800) Aviation Events Team

- “National Aviation Events Specialist Team” link –

<http://www.faa.gov/about/initiatives/airshow/>

- Acrobatics & Aerobatics Safety Guidance
- Waivers, Authorizations and Special Provisions
- Military Air Show programs
- National Aviation Event Specialist Team
- Temporary Flight Restriction Requests





# FAA outreach to Aviation Event Industry

- 5-year strategic plan
  - Addresses the general aviation accident rate through
    - Risk identification and mitigation
    - Training
    - Outreach and engagement
    - Safety promotion.
- FAA meeting with ICAS on September 29, outcome:
  - Enhance communication and partnership
  - Collaborate on review of Aerobatic Competency Examiner (ACE) Manual
  - Meet at least quarterly
- AFS-800
  - Enhancing air race policy
  - Updating FAA policy (e.g. UAS at Aviation Events)
  - Conducting Bi-Weekly teleconference with Regional Specialist to ensure consistency and standardization
  - Updating Special Provisions



# FAA Concerns at Aviation Events

- Pilot Documentation Showing Qualifications
  - Performers not have proper credentials (e.g. SAC cards)
- Air show briefings
  - Marketing/promotional versus performer safety
  - Safety items not being covered
    - Emergency response/recovery plans
    - Special aircraft safety procedures (ejection seats/canopy releases)
    - Severe weather plans
    - Emergency equipment locations and capability
- Non-Essential Personnel
  - “Official photographers”
  - Non-participating aircraft taxiing under aerobatic box during act
  - Sterile area and Aerobatic box
- Cloud Clearances
  - Smoke and cloud penetration during performance

# FAA Concerns at Aviation Events

- Crowd Control
  - Aircraft starting and taxiing in close proximity to spectators
    - Mainly occurs after event in conjunction with Fly-ins
- Qualification of air boss
  - No aviation experience
  - Seems to occur at air shows that do not have a sanctioned military performance
- Repositioning turns past end of runway over densely populated areas
  - Roll back toward the show line not being done at minimum altitude
- Some IICs working outside FAA policy
- Incidents not being reported to AFS-800 or Region
  - For example – loss of separation during performance
- Scope of the waiver
  - List only time needed, not blanket times (i.e. entire weekend)

# FAA Concerns at Aviation Events

- Timeliness of waiver and authorization requests
  - Include FSDO as early as possible (90/30 Rule)
  - We are aware of 45 days listed on 7711-2 and are currently working to correct
- Airport Aerial Event Feasibility Surveys
  - FSDO should not be expected to rubber stamp
  - Google map not sufficient enough
  - Currency of map within 90 days
  - Obstructions
- TFR requirements? FAA does not impose this on event organizers



## FAA Concerns at Aviation Events

- Industry knowledge of Military and Civilian Demo Team's maneuver packages
- FAA acceptance of civilian parachute team program
- Safety and Emergency plans at Aviation Events
  - Incident response plan template located on ICAS website
  - Airport good resource
- Responsible person
  - Who should it be?
  - Be knowledgeable of waiver
  - Accessibility during entire event
- Invited assembly of people on "practice day"
  - Chalets

# Policy Revisions

- ACE manual change for review and acceptance– ICAS initiated
- FAA Order 8900.1, Volume 6, Chapter 11, Section 10, Surveillance of an Aviation Event
  - Consolidates information into one source from Volume 3, Chapter 6, Section 1
- FAA Order 8900.1, Volume 3, Chapter 6, Section 2
  - Updated policy with a new section regarding Air Race Program Accreditation
- FAA Order 8900.1, Volume 3, Chapter 6, Section 1
  - Update due to new information and restructuring
- Special Provisions



# Thank you for your continued support



Anyone who wants additional details can contact me after the session or via email or phone