Presented to: ICAS Convention Las Vegas NV
By: FAA – Sue Gardner (AFS-800)
Date: December 04 2013
ICAS 2013

- 400-450 Airshows and 600+ Waivers
- 18 Million Spectators
  - Safety Planning
  - Coordination
  - Integration

Sequestration 30-40% Impact
ARE AIR SHOWS SAFE?
Air shows offer a consistently and historically safe environment for millions of spectators each year. Since current rules were implemented over 50 years ago, there has not been a single spectator fatality at a North American show – an enviable safety record for any business.
• National Aviation Events Specialist (NAES)
  – Sue Gardner – (AWA) (630) 880-5834

• Regional Aviation Events Specialist (RAES)
  – Anthony Mauro - (AEA) (718) 553-3236
  – Eric Stout - (ASO) (404) 305-6066
  – Brian Martin - (ASW) (817) 222-5234
  – Derek Dunmire - (ACE) (314) 890-4827
  – Roy Speeg - (ANM) (425) 227 2473
  – Angelique Talbot- (AAL) (907) 271-2172
  – Bart Angle (AGL) (734) 487-7233
  – John Goldfluss (AWP) (310) 725-7249
• Air Traffic Organization Resources-
  – OSG Special Events Coordinators

  – David Swanson – FAA HQTs (202) 385-8612
  – Lynda Otting – Eastern Service Center (404) 305-5577
  – Delisa Kik – Central Service Center (817) 321-7718
  – Dan Rollins – Western Service Center (425) 203-4516
• FAA Order 8900.1 Vol 3 Ch 6 and Vol 6 Ch 10
  – Issue a certificate of waiver/auth for an aviation event and surveillance. Combine chapter 10 and 11
    • V3C6 - Revision May 2014  V6C11 May 2014

• FAA Order 8900.1 Vol 5 Ch 9
  – Statement of Aerobatic Competency Card
    • Revision May 2014
  – ACE Manual ICAS/EAA
    • ICAS Ver 8.0  Mar 2014  EAA March  2014
• FAA Order 8900.1 Vol 3 Ch 5
  – Issue a certificate of waiver/auth for an Aerobatic Practice Area and Contest Box
  – Revision May 2014

• AC-91-45C - Aviation Events
  – Revision D – Aug 2014

• AC 105 – 2D – Parachute Operations
  – Revision E – December 2013
ICAS 2013

FAA Website –

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

• Update with 2014 Airshow Season Info
  February – March 2014
ICAS 2013

- **Industry Partners** -
  - ICAS - ACE Committee, Safety Committee,
  - EAA Warbirds, CAF, CJAA, Warbirds of America
  - FAST, FFI
  - IAC
  - USPA
  - RARA
  - BFA
  - NAR/Tripoli

- **Military Partners - Pentagon**
  - U.S. Airforce  U.S. Navy  U.S Army
ICAS 2013

- **North American Regulatory Authority Partners** -
  - TCCA – Dave Dixon- CAR 623
  - Canadian DND – Michel Tremblay
    - BGA-100
ICAS 2013

2013 - What is new?

- Standardization North American Airshow Policy/General Policy
- ACE Manual
  - ICAS/EAA
- Rocket Launches
- UAS Demonstrations
- Air Racing Policy
  - Red Bull / LSA
- Air Boss Certification
- Aerobatic Practice Areas
- Fly-Overs – Civilian
- Performers and Aircraft Inspections
- FAA Training for Aviation Events
- Initiate electronic CoW/A process – Web Ops
OBJECTIVE

To align the FAA and TCCA orders and regulations across NA for Civilian aircraft.

Proposed Revisions:

- an amended sample site diagram common to both FAA and TCCA requirements to be added
- diagrams being amended to add the term "congested area" which was inadvertently omitted in Change 86
- diagrams and language being amended to clarify positioning of team lead and wingmen for formation flight of each category of aircraft
Proposed Revisions (cont’d):

New: 3-145 PARTICIPANT AND AIRCRAFT ELIGIBILITY.

A. Aerobatic Competency Documentation.

4) Prior to performing at an air show civil aircraft pilots must show evidence of performing or practicing their performance(s) within the previous 45 days. An air show performance conducted under a waiver issued for an “air show” is never counted as a practice even if the event organizer is calling it a “practice” or “media” day.
Proposed Revisions (cont’d):

• **Explanation:**
  - Performer who has not practiced or performed in the previous 45+ days, shows up at a site on Friday and the organizer has an “air show” waiver. This means he/she cannot fly.
  - If the organizer has a “temporary aerobatic practice area” then he/she may fly and the performance constitutes a “practice” and he/she resets the 45 day clock.

• **Definition:**
  
  **Airshow.** An aviation event defined as an aerial demonstration by one or more aircraft before an invited assembly of persons.
Standardization North American Airshow Policy

Proposed Revisions (cont’d):

- Amended language for Night and Civil Twilight

- Amended language for Helicopter operations

- ICAS ACE Manual (Rev 8)
  - Dec 31 2014 - New SAC LOA in lieu SAC card
  - Dec 31 2014 - New Qualification, Proficiency, and Currency for Aircraft (Cat)/Level/Endorsements on SAC LOA

- EAA Manual – 2nd QTR FY 2014
  - Parallel standard set in ICAS ACE Manual
Rocket Launches

• New Policy authorizing a rocket launch at an aviation event
  – Coordinated effort with FAA Flight Standards, Air Traffic, and Commercial Space Transportation Office
  – Coordinating with NAR and Tripoli
  – Requirement for a Safety Analysis by AST (surface and airspace) for every launch
  – Class I, II, III Rockets
  – Successful Beta Test at Rocky Mountain Airshow
UAS Demonstrations

• New Policy authorizing a UAS demonstrations at an aviation event
  – Coordinated effort with FAA Flight Standards, FAA UAS and Air Traffic Organizations
  – Addresses UAS with a CoA/W or Experimental Airworthiness Certificate
  – New Policy in development to address operator qualification requirements, distances from spectators, coordination for approval
  – Beta Test Planned for Rocky Mountain Airshow 2014
Air Racing Policy

• New Policy
  – Establishes new requirements and clarifying accreditation requirements for Air Racing Classes, Organizations and Pilots for closed course races
  – Revision being drafted to address lessons learned from RENO 2012 and FAA Notice issued in 2013
    • Maintenance/modifications of aircraft
    • Race course design – performance based
Air Boss Certification Program

• 2013 - The FAA is supporting ICAS on development of an Air Boss Certification Program
  – Efforts will continue through 2014 with industry consultation and coordination with TCCA and CDN DND
Aerobatic Practice Areas (APA)

• Short Term APA – 30 days vs 10 days
• Long Term APA – Extend to a 3 year renewal period.
  – Federal Action – Issuance of a CoW
• Environmental Assessments – APA
  – New Volpe study approved – noise criteria to surface
  – 500 foot limitation eliminated
  – Approxi 95% of all EAs will qualify for a CAT EX under paragraph 312b of Order 1050.1E
  – Extraordinary Circumstances still must be assessed.
• Final policy published in May 2014
  – Simplified EID in final development
  – Best Practices for APA on airport
FY 13/14 FAA developing training for FAA workforce responsible for Aviation Events
  – Solicit SME input from industry
  – Web based course and 3 day Instructor led course

Thank You ICAS for their many years of excellent training for FAA IICs and ASIs with oversight responsibilities for air shows
Performer and Aircraft Inspections

- Concerns and comments from air show performers.
- Recommendation from the Annual Aviation Event Safety Summit 2013.
- Reduce time during ramp inspection.
- Standardize inspection process.
- Catch items before arriving at air show.
ATO – Radio Frequency

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

Application Information tab:

...“Regulatory Status”: *Private Internal Users* ...
ATO – Aviation Event TFRs and Sporting Event TFRs

• For Guidance on how to apply for an Aviation Event or Sporting Event TFR - Go to:
  • Aviation Events Internet Site
    http://www.faa.gov/about/initiatives/airshow/
  • Graphical TFRs - http://tfr.faa.gov/tfr2/list.html
QUESTIONS
Sue Gardner National Aviation Events Specialist (NAES):

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