

# Montana Airport Managers Association Meeting

## Airport Airspace Analysis

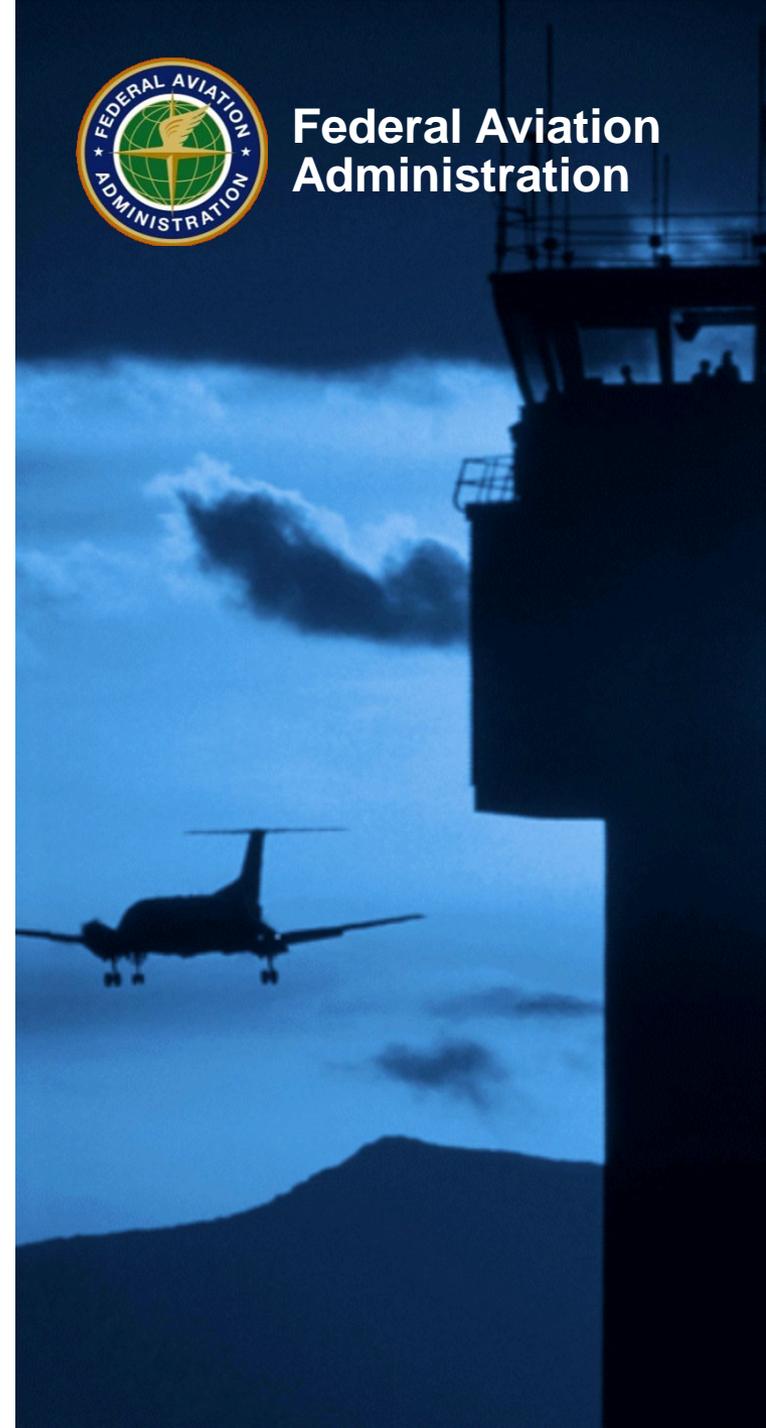
October 23, 2013

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Federal Aviation  
Administration



# Topics

## ➤ Wednesday, October 23, 2013

- What is Airport Airspace Analysis (AAA)?
- Why do it?
- How to do it? (Form 7460, Notice of Construction or Alteration)
- Timelines
- Obstruction Light Outage Reporting



# Airport Airspace Analysis

## ➤ What is an Airport Airspace Analysis?

### ✓ Aeronautical study

- Involves multiple FAA Lines of Business - coordination
- Evaluate the effect of the construction or alteration on operating procedures
- Determine the potential hazardous effect of the proposed construction on air navigation
- Identify mitigating measures to enhance safe air navigation
- Charting of new objects



# Airport Airspace Analysis

## ➤ Why do it?

### Title 14 Part 77

- 77.9, Construction or Alteration Requiring Notice
  - Projects proposed on public use airports and heliports

### FAA Order 7400.2J

- Ensure internal FAA coordination

### SAFETY



# Airport Airspace Analysis

## ➤ How to do it?

- ✓ FAA Form 7460, Notice of Construction or Alteration, is the method used to notify FAA of a proposed project
  - Follow the directions attached to the form
  - Attach a site location map and project layout sketch
  - Coordinate with the FAA project manager before submitting the 7460
    - Projects requiring additional information
      - **Buildings:** Provide the latitude & longitude, site elevation and above ground elevation for all four corners
      - **Fencing:** provide additional information at locations along the alignment
    - Electronic (online) submissions are encouraged  
<https://oeaaa.faa.gov/>



# Airport Airspace Analysis

## ➤ Airport Airspace Analysis for AIP projects:

- Initial Project Airspace Review (IAPR):
  - ✓ Proposed AIP projects must be coordinated within FAA
  - ✓ In-depth project level review
  - ✓ FAA determination is based upon comments developed during the IAPR
- ALP Airspace review does NOT satisfy the IAPR requirement



# Airport Airspace Analysis

- Construction Safety Phasing Plan (CSPP):
  - ✓ A second project coordination is required when the airport operations or the movement of aircraft may be impacted
  - ✓ A draft for FAA review is highly recommended at the 25-30% design phase when there is significant impact to routing of aircraft or to runway approaches
  - ✓ Final CSPP must be submitted to the FAA for internal coordination at the 80-90% design stage



# Airport Airspace Analysis

- Projects Exempt from Airspace Analysis:
  - ✓ Procurement of airport equipment (i.e. Snow Removal Equipment)
  - ✓ Internal building changes



# Time Lines for Coordination

## ➤ General Information

- Internal Coordination
  - ✓ Response from FAA Lines of Business is tiered
    - Technical Operations
    - Flight Procedures
    - Air Traffic and Operations Support Group
    - Air Traffic Control Tower
    - Air Traffic Obstruction Evaluation Group
    - Flight Standards
    - Airports Division
  - ✓ This tiered response structure impacts the time it takes to complete the study and to issue the FAA determination
  - ✓ For projects without significant impact to flight procedures, FAA equipment and airport operations, a minimum of 45 business days should be anticipated



# Time Lines for Coordination

## ➤ Coordination Time Lines by Project Type

- Initial Airspace Review needed 9 months prior to construction
  - ✓ Within Air Operations Area (AOA) at Towered Airports
  - ✓ Projects (including construction traffic) within 1000 FT of a VOR
  - ✓ Shutdown of NAVAIDs, or other equipment impacting flight procedures
  - ✓ Installation of non-Fed navigational aids such as AWOS, PAPI, REILS, etc
  - ✓ Impacts to Part 77 surfaces or Air Traffic Control Tower line of sight
  - ✓ Closure or partial closure of runways, taxiways and temporary closure of airport



# Time Lines for Coordination

- Initial Airspace Review needed 2 years prior to Construction:
  - ✓ Runway and Taxiway projects with instrument approaches (including circling approaches) that may need procedure amendment or revision
  - ✓ Runways with existing approach procedures or requires new procedures when the runway threshold is moved more than 50 Feet longitudinally, 10 Feet laterally, or 3 Feet vertically
  - ✓ If AGIS survey data is needed to develop new or modified procedures
  - ✓ If a reimbursable agreement may be required
  - ✓ Work that may impact underground cabling to Federally owned or maintained equipment and facilities
  - ✓ Change in configuration of the Air Traffic Control Tower cab



# Time Lines for Coordination

- Initial Airspace Review needed 3 years prior to Construction:
  - ✓ Construction of new runway
  - ✓ Construction of new airport
  - ✓ Moving a VOR



# Obstruction Lighting Outage

- A top light or flashing obstruction light, regardless of its position
- Light outage lasting more than (30) thirty minutes
- Report immediately by calling **877- 487- 6867**, for Alaska 800-478-3576, so a Notice to Airmen (NOTAM) can be issued.



# Obstruction Lighting Outage

When reporting, please have available:

1. The type of structure
2. Location of structure (including latitude/longitude, if known, prominent structures, landmarks, etc...)
3. Height of structure above ground level (AGL)/above mean sea level (AMSL), if known
4. A return to service date
5. FCC Antenna Registration Number (if available)

Additional Information: <https://oeaaa.faa.gov/oeaaa>



# Questions??

