Why Contact the Air Traffic Organization for an Airfield Project?
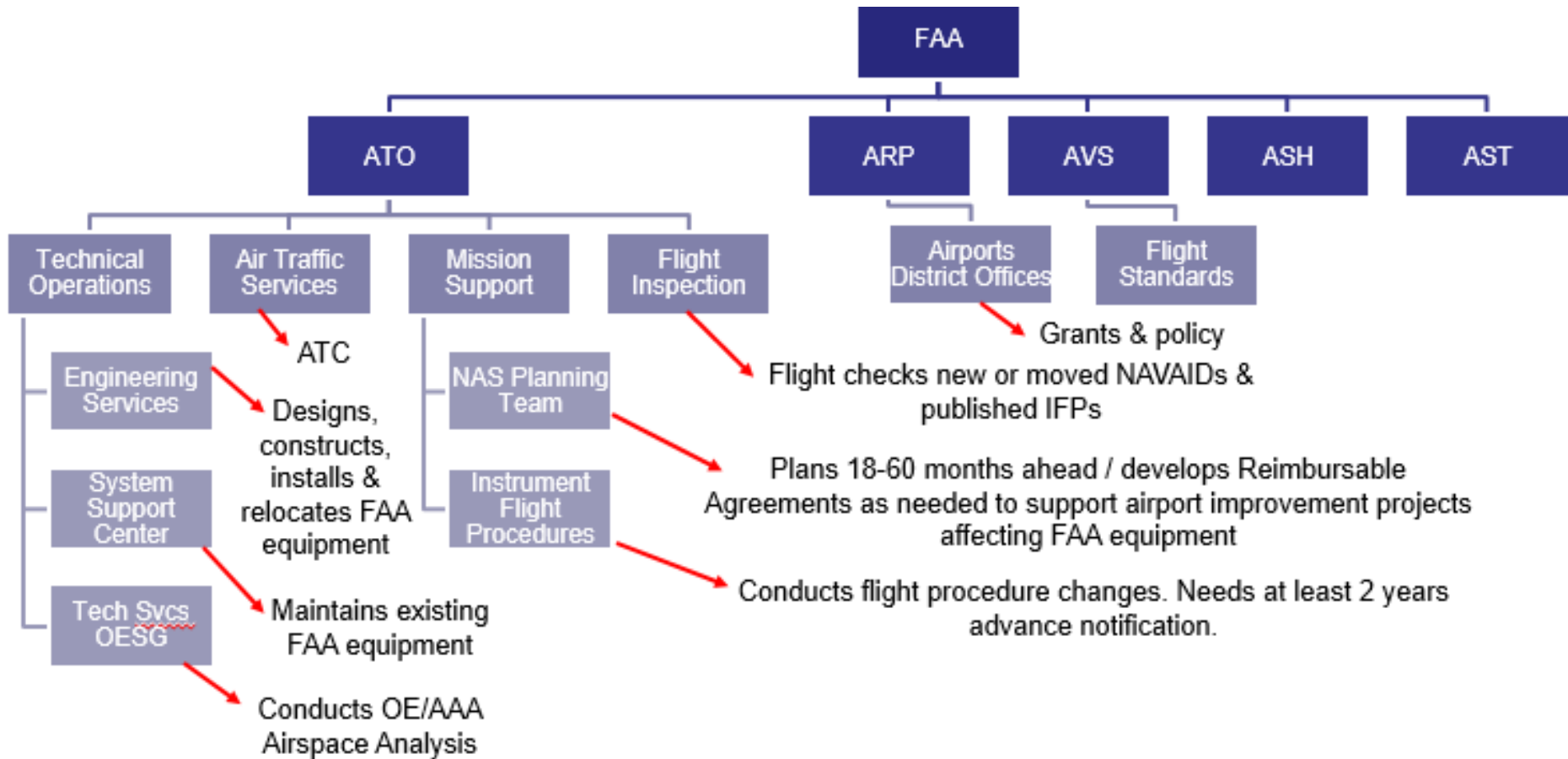
Federal Aviation Administration

Presented by: Matthew Murphy
Presented to: MAMA Conference
Date: October 2022

ATO Organizational Chart

Federal Aviation Administration

Optimization District Boundaries

7 Districts

WSA

SEA District
SLC District
OAK District
DEN District
LAX District
HNL District
ANC District

8 Districts

CSA

MSP District
CLE District
CHI District
IND District
MKC District
ABQ District
DFW District
HOU District

7 Districts

ESA

BOS District
NYC District
WAS District
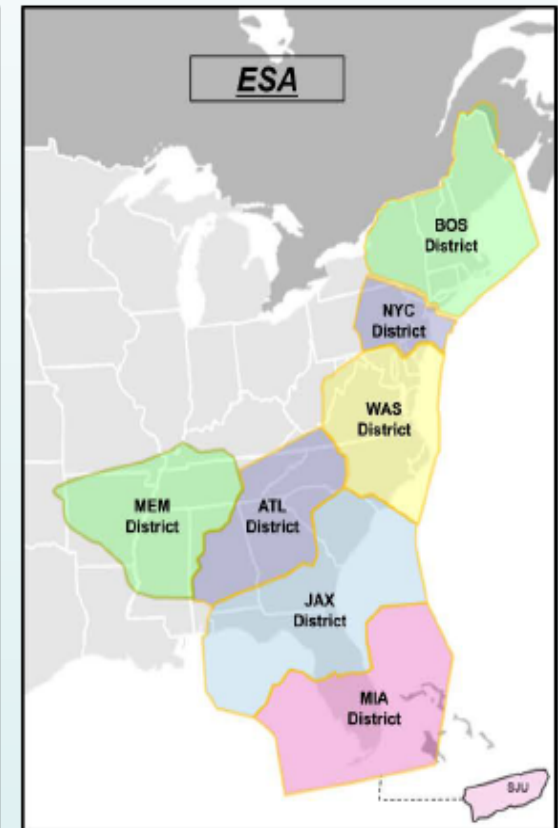MEM District
ATL District
JAX District
MIA District
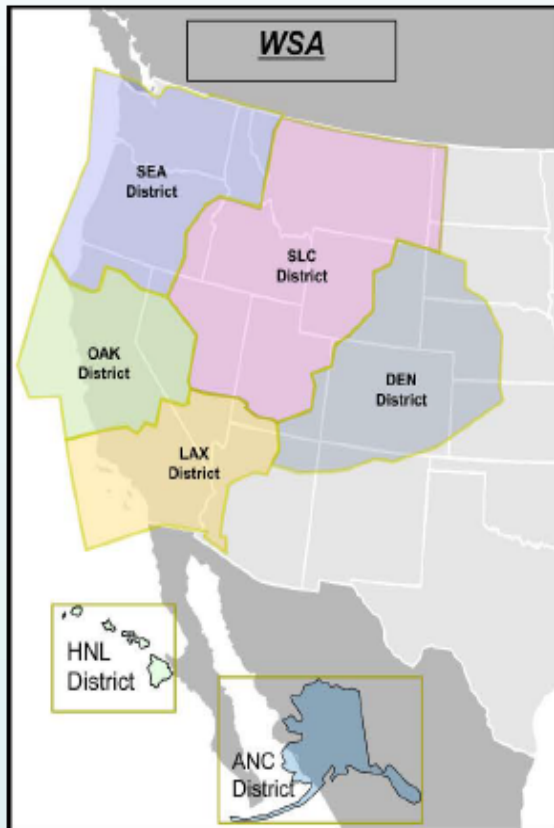
Airports Offices

- **Alaskan** (AK) [25]
- **Central** (IA, KS, MO, NE) [14]
- **Eastern** (DC, DE, MD, NJ, NY, PA, VA, WV) [2]
  - Beckley ADO (WV) [5]
  - Harrisburg ADO (DE, NJ, PA) [3]
  - New York ADO (NY) [2]
  - Washington ADO (DC, MD, VA) [4]
- **Great Lakes** (IL, IN, MI, MN, ND, OH, SD, WI) [10]
  - Chicago ADO (IL, IN, WI) [10]
  - Detroit ADO (MI, OH) [11]
  - Dakota / Minnesota ADO (MN,ND,SD) [12, 13]
- **New England** (CT, ME, MA, NH, RI, VT) [1]
- **Northwest Mountain** (CO, ID, MT, OR, UT, WA, WY) [18]
  - Denver ADO (CO, UT, WY) [20]
  - Helena ADO (ID, MT) [19]
  - Seattle ADO (OR, WA) [18]

- **Southern** (AL, FL, GA, KY, MS, NC, PR, SC, TN, VI) [6]
  - Atlanta ADO (GA, SC, PR, VI) [6]
  - Jackson ADO (AL, MS) [8]
  - Memphis ADO (KY, NC, TN) [7]
  - Orlando ADO (FL) [9]
- **Southwest** (AR, LA, NM, OK, TX) [15]
  - Arkansas/Oklahoma ADO [16]
  - Louisiana/New Mexico ADO [17]
  - Texas ADO [15]
- **Western-Pacific** (AZ, CA, HI, NV, GU, AS, MH) [21]
  - Honolulu ADO (HI, GU, AS, MH) [24]
  - Los Angeles ADO (Southern CA) [21]
  - San Francisco ADO (Northern CA) [22]
  - Phoenix ADO (AZ, NV) [23]
  - California Counties by Airports District Office

NAS Planning Team (NPT)

- **Focal point for stakeholders external to ATO:**
  - States, Municipalities, and Airport Operators
  - Airports District Offices (ADO)
  - Private entities &/or Air Carriers

- **Project Planning of Capital Investment Plan (CIP) & Airport Improvement Project (AIP) airfield work <u>projected in 5 year cycles</u>**

- **Service Center point-of-entry for establishing Reimbursable Agreements (RA's)**

Federal Aviation Administration

Planning Ahead

- **Benefits:**
  - Plan integration with ATO projects (align budget cycle, resource planning, schedule)
  - Identify Target of Opportunity (TOO)
  - Minimize impact to the National Airspace System (NAS)
  - Develop Reimbursable Agreements in support of sponsor airport projects/improvement work

- **Ideally contact NPT <u>3-5 years</u> before project construction**

FAA Project Timeline

3 to 5 years +

Planning of Projects
- ARP/ATO Field Meetings and/or Joint Planning Meetings
- Analysis for potential integration opportunities
- Analysis for potential impacts to FAA services or facilities
- ALP reviews

2 to 3 years

Refining Projects
- ARP/ATO Field Meetings and/or Joint Planning Meetings
- Initial contact by Sponsor or ADO regarding potential impact
- Preliminary development of project scope, sketches, schedule
- Environmental assessments

18 to 24 months

Preliminary Project Design
- Discovery meeting
- Scope of work
- Roles and responsibilities
- Project timeline and resources needed
- Cost estimates
- Equipment needs
- Coordination with Flight Procedures and Frequency Management Offices
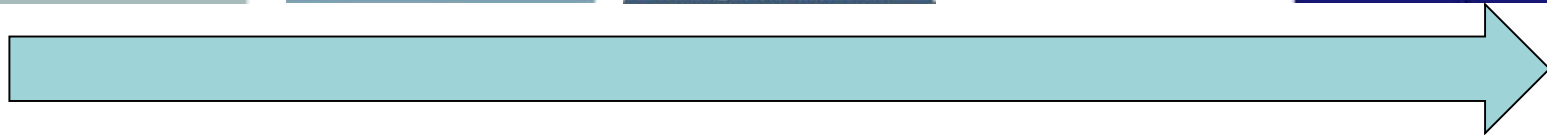
8 to 18 months

RA and Project Design
- Draft and review RA.
- Fund and execute RA.
- Project design.
- ATO provides engineering and technical support. (30% Design and up)
- OE/AAA

Until End of Project

Construction
- Construction
- Reporting of FAA work
- Acceptance of FAA work
- Confirmation of FAA work
- Refund of remaining money
- Closeout

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What is an RA?

- **What is a Reimbursable Agreement?**

  - A legal document executed by the FAA and Sponsor under which the FAA provides and is reimbursed for material, labor, and/or services.

- **Services may include (but are not limited to):**
  - Technical Analysis
  - Site Survey
  - Engineering Design or Oversight
  - Construction Oversight
  - Flight Inspections
  - NAVAID shutdown & restore

Why an RA?

[FAA Advisory Circular 150/5300-7B](), "FAA Policy on Facility Relocations Occasioned by Airport Improvements or Changes."

AC NO: 150/5300-7B
DATE: 8 Nov 72

ADVISORY CIRCULAR

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**SUBJECT:** FAA POLICY ON FACILITY RELOCATIONS OCCASIONED BY AIRPORT IMPROVEMENTS OR CHANGES

Examples of Work Requiring an RA

- **Change in runway/taxiway geometry or location** (impacts to NAVAIDS, VISAIDS, AWOS, RTR, RVR, etc.).

- **Runway/Taxiway reconstruction/rehabilitation** (impacts to ALS threshold, REIL).

- **Work impacting ILS, VOR critical areas** (return-to-service flight inspection): new surfaces/structures or regrading, RSA work, etc.

- **Engineering study to evaluate impacts of airport development on FAA facilities** (Ex. AFTIL = Airport Facilities Terminal Integration Laboratory).

- **Significant runway shutdowns** (FAA equipment shutdowns may require FAA technician labor OT/travel).

- **Establishment of FAA Telecommunications Infrastructure** (FTI), **communications lines and/or utilities**.

Additional ATO Facilities to Consider

- **Navigation and Landing Systems**
  - NAVAIDs: ILS, RVR, DME, VOR, NDB
  - VISAIDs: ALS, PAPI, REIL, VASI
- **Surveillance and Weather Systems**
  - ASR, ASDE, ADS-B
  - ASOS, AWOS, SWS
- **Communication/Power Systems**
  - RCO, RTR, Cable/Fiber Loop (FOTS)
- **ATCT, TRACON, FSS, Terminal**

Typical NAV-Landing Facilities

Navigation and Landing Equipment
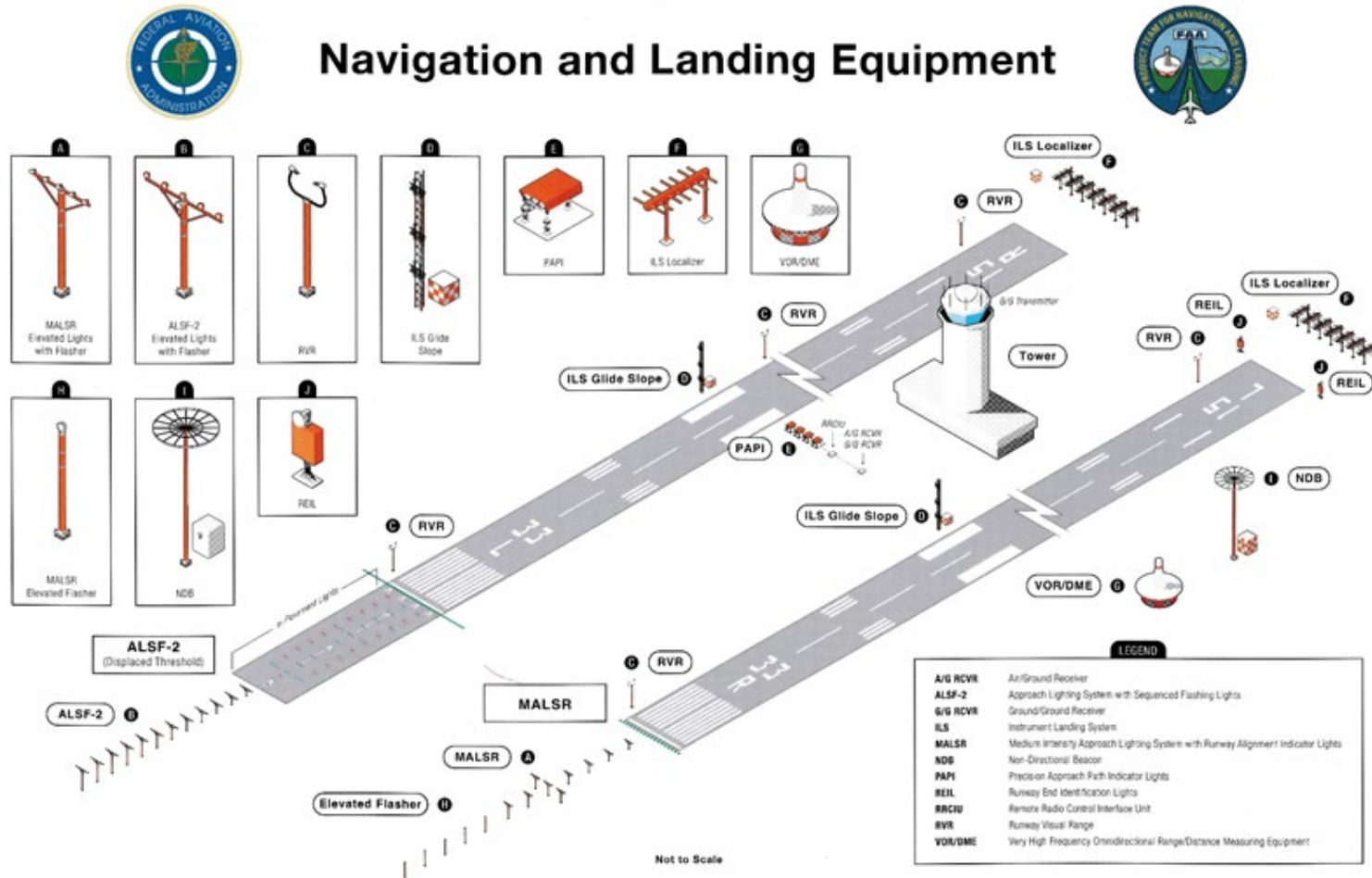
RA Planning Lead Times

- **Planning/Coordination targeted lead time of 3-5 years in advance of construction**

  - Allows NPT to research potential FAA NAS equipment replacements or FAA integration opportunities for sponsors projects

  - Matches ATO <u>three year budget cycle</u> and resource availability planning

  - Prevents/reduces multiple runway/taxiway or airport shutdowns that may pose a risk to air traffic user operations

  - Develop Reimbursable Agreements in support of sponsor Airport Improvement Projects

NAS PLANNING TEAM
GEOGRAPHICAL ASSIGNMENTS
Western Service Area

NPT		LEAD PLANNER	ASSIGNMENT AREA
WSA		Mattt Josal | 206.231.2966 matthew.josal@faa.gov	WA, OR, ID, MT, ND, SD
		Matt Robertson | 206.231.2855 matthew.d.robertson@faa.gov	N.CA, AZ, NV, NM
		Mattt Josal | 206.231.2966 matthew.josal@faa.gov	AK
		Matt Robertson | 206.231.2855 matthew.d.robertson@faa.gov	HI, NE, KS
		Jake Florendo | 424.405.7704 jake.florendo@faa.gov	CO, UT, WY, S.CA

WSA MANAGER
Matthew Murphy
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Federal Aviation Administration
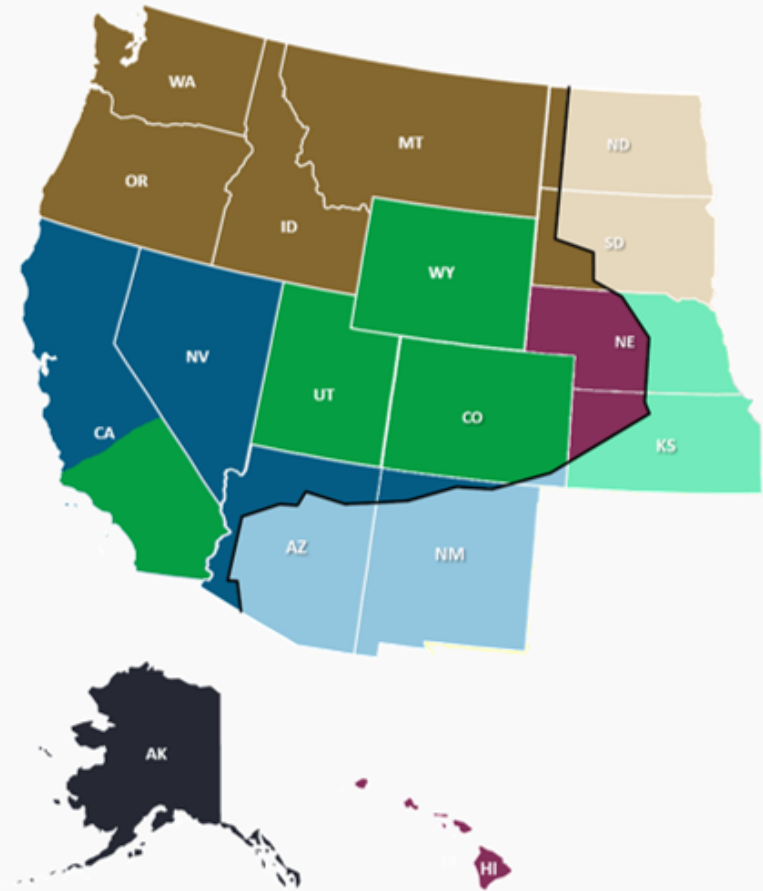
Strategic Event Coordination (SEC)

Essential information on What, Why and Who

What are strategic events?

Which Events?

- NAVAID shutdowns (ILS, PAPI, REIL etc.)

- Runway closures (partial or full)

- Significant taxiway closures

  (At "Core 30" airport or if FAA Airports considers it significant)

How Long?

- Greater than 24 hours, or

- 4 hours for consecutive days

What are ARP responsibilities?

- **Coordinate CSPP and/or 7460 via OE/AAA**

- **Issue NRA determination**
  - List any NAS equipment impacts
  - Inform sponsor of notification requirement

# What are Sponsor responsibilities?

- Coordinate airport projects with the ADO

- Email SEC Form 6000-26 NLT 45 days before any strategic event (Preliminary/tentative information is ok)

- Submit new Form 6000-26 for updates/date changes

- Questions? Contact ADO or email questions to 9-AJV-SEC-WSA@faa.gov

Federal Aviation Administration

What are PRG responsibilities?

- Review and process submitted SEC forms

- Enter event into the SEC tool

- Notify the OCCs of any NAS facilities impact

- Keep SEC entry updated

Who wants to know?

- **FAA** (to coordinate system impacts)
  - ➢ Air Traffic Control Facilities
  - ➢ System Maintenance Personnel
  - ➢ Flight Standards
  - ➢ Flight Procedures Team

- **Air Carriers** (for schedule & fleet planning)

- **Pilots / National Airspace System Users** (for flight planning)
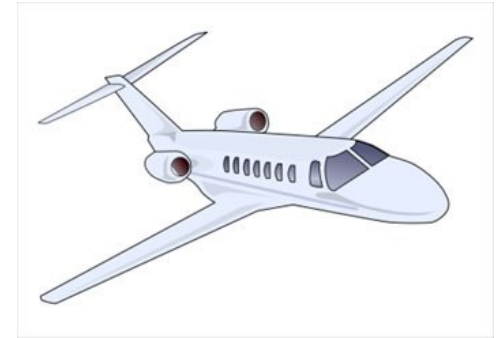
Where do I get the form?

- **Airport Sponsor Strategic Event Form FAA 6000-26**

- **Email request to 9-AJV-SEC-WSA@faa.gov**

- **PRG SEC Coordinator: natalie.ace-galvan@faa.gov**