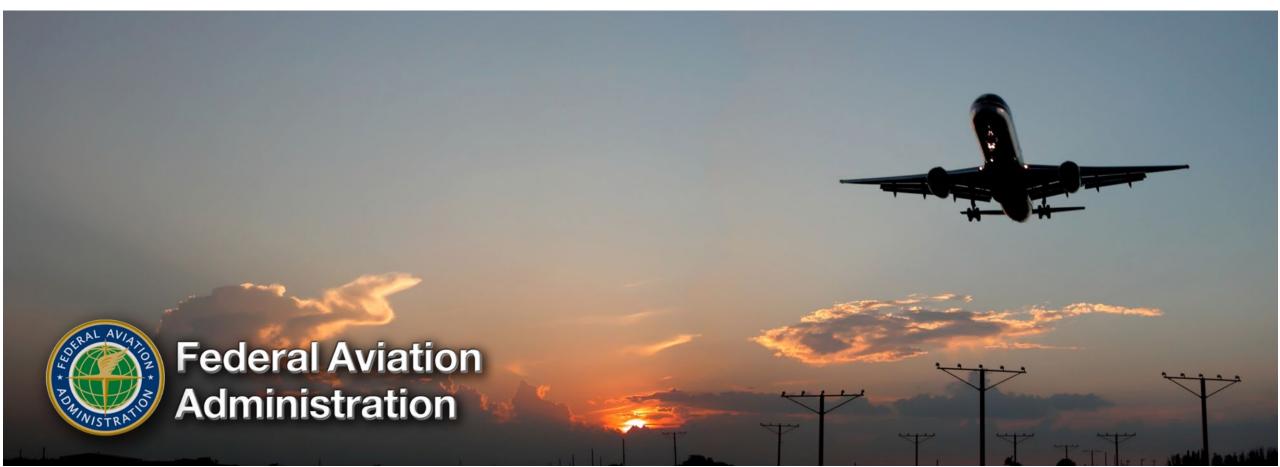
Update on the Airports Data Collection Program



Streamlining Airport/Heliport Data Collection & Management

April 28, 2022

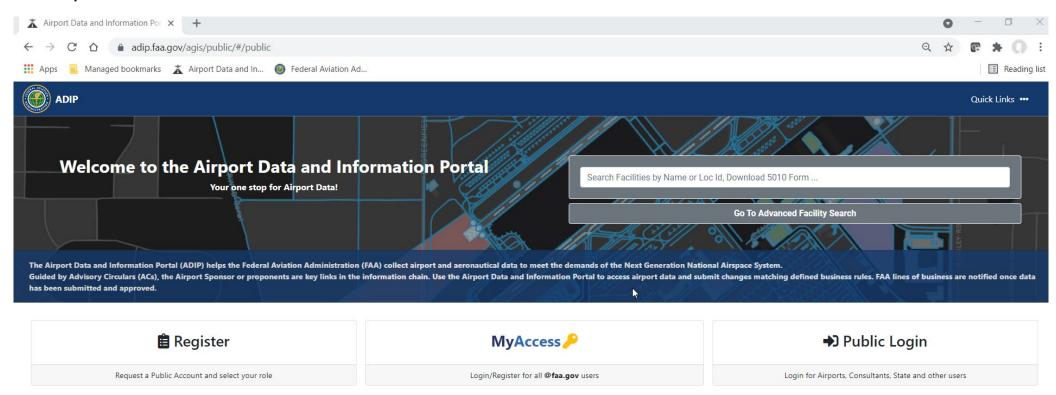


Overview

- Review of the Airports Data and Information Program
- Future data collection efforts under development

Airport Data & Information Portal (ADIP) Overview

- Primary airport data collection portal for Airport Surveys and Airport Master Record Data
- Located at: ADIP.FAA.GOV
- Simplifies, consolidates and streamlines the current disparate data entry and management into a single platform

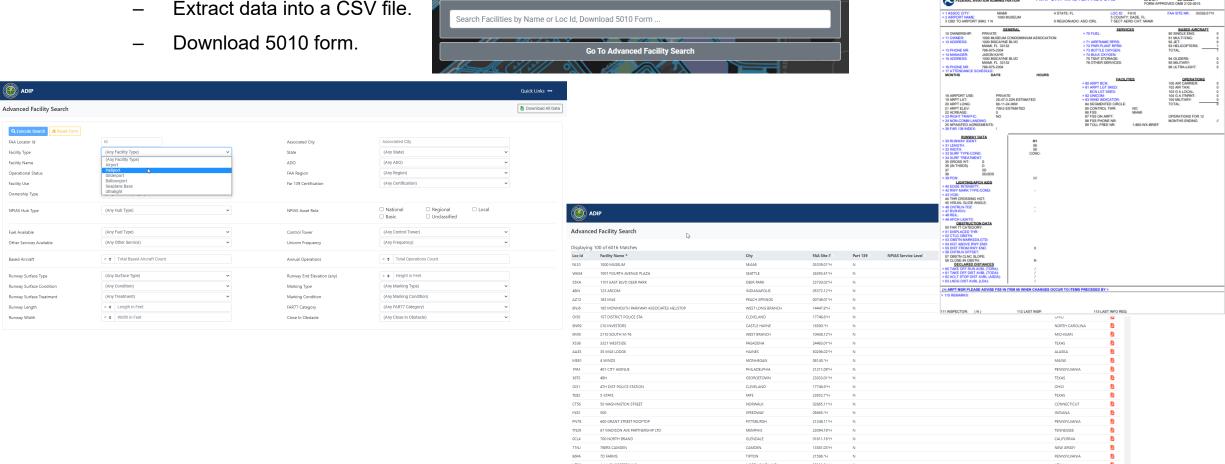




ADIP Overview (cont.)

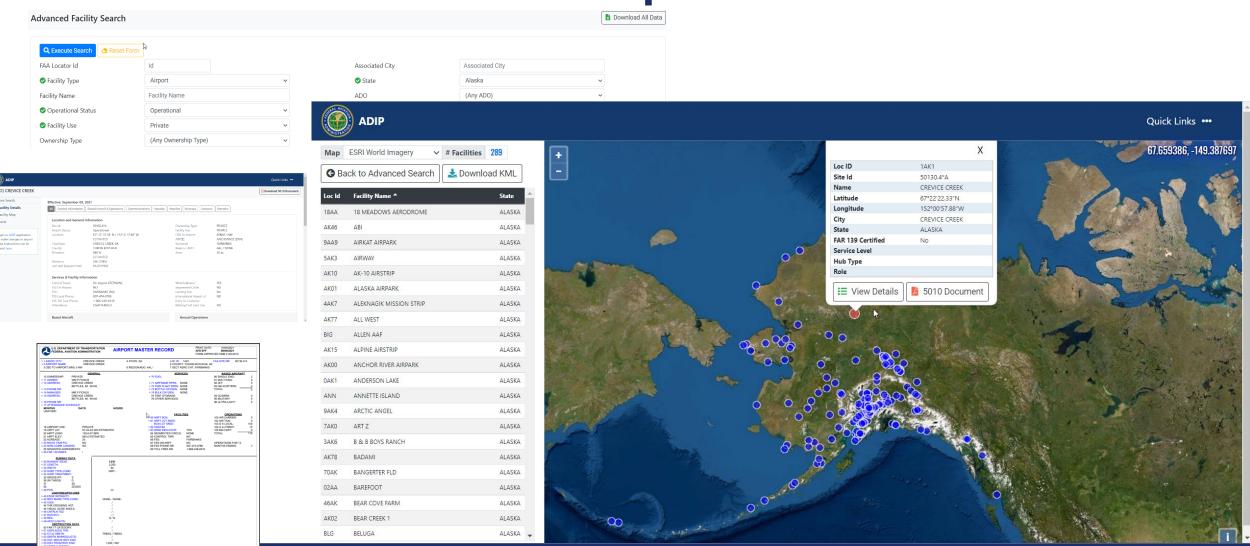
- Public Users: ADIP allows for users to view and search Airport/Heliport data.
 - Extract data into a CSV file.

Fuel Available



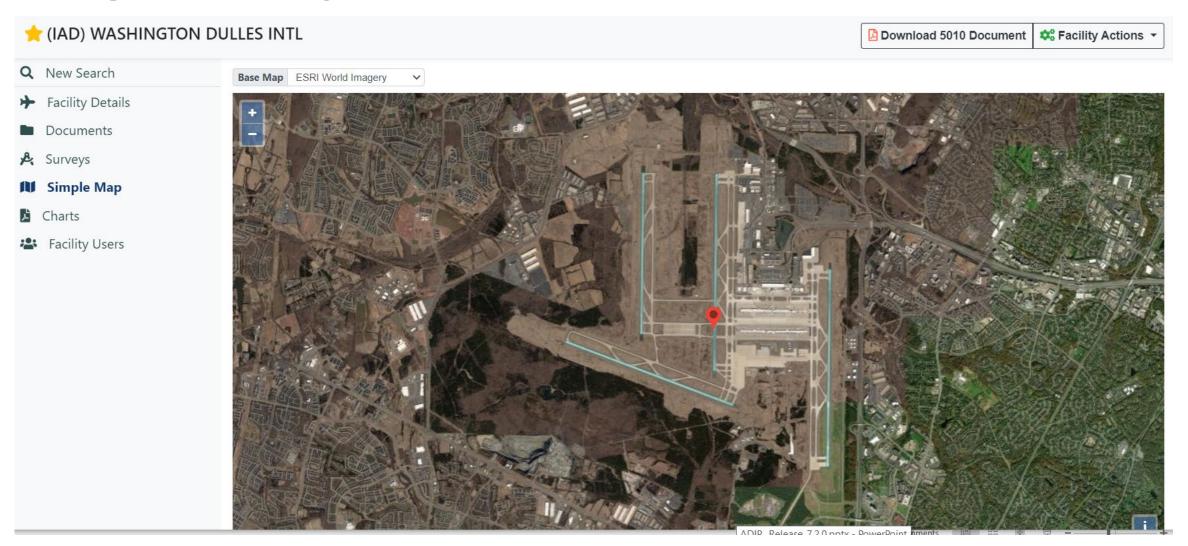


Advanced Search with Map & Context





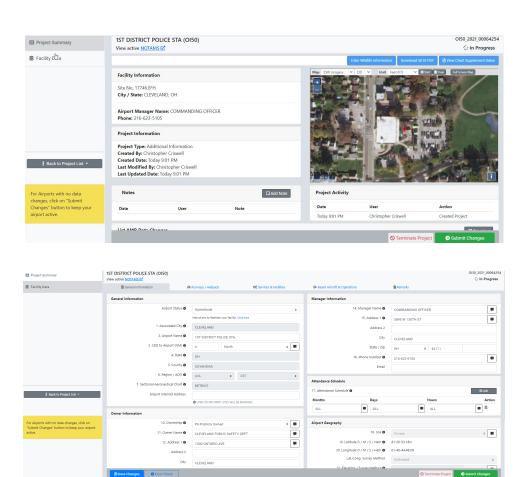
Single Facility Search with Map & Details





ADIP Overview (cont.)

- Registered Users:
- ADIP consists of portfolio of airport data collection applications
 - Airport Master Record (AMR)
 - Airports Geographic Information System (AGIS)
 - Modification of Standards MOS)
 - Runway Safety Area (RSA)
 - Runway Incursion Mitigation (RIM)
 - Airport Obstacle Data Search
 - High-resolution and current satellite imagery





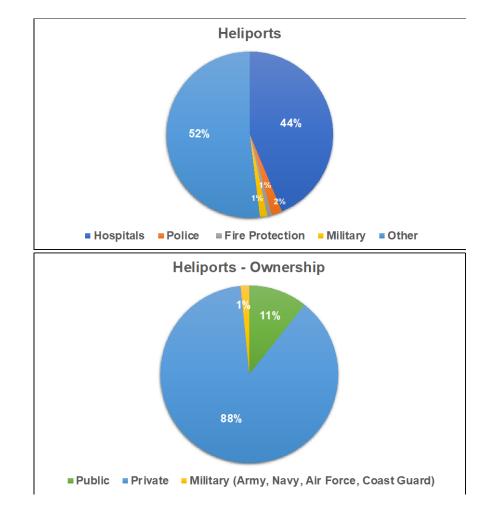
SEC. 314. HELICOPTER AIR AMBULANCE OPERATIONS DATA AND REPORTS.

(a) IN GENERAL.—Not later than 1 year after the date of enactment of this Act, the Administrator, in collaboration with helicopter air ambulance industry stakeholders, shall assess the availability of information to the general public related to the location of heliports and helipads used by helicopters providing air ambulance services, including helipads and helipads outside of those listed as part of any existing databases of Airport Master Record (5010) forms. (b) REQUIREMENTS.—Based on the assessment under subsection (a), the Administrator shall (1) update, as necessary, any existing guidance on what information is included in the current databases of Airport Master Record (5010) forms to include information related to heliports and helipads used by helicopters providing air ambulance services; or (2) develop, as appropriate and in collaboration with helicopter air ambulance industry stakeholders, a new database of heliports and helipads used by helicopters providing air ambulance services. (c) REPORTS.— (1) ASSESSMENT REPORT.—Not later than 30 days after the date the assessment under subsection (a) is complete, the Administrator shall submit to the appropriate committees of Congress a report on the assessment, including any recommendations on how to make information related to the location of heliports and helipads used by helicopters providing air ambulance services available to the general public. (2) IMPLEMENTATION REPORT.—Not later than 30 days after completing action under paragraph (1) or paragraph (2) of subsection (b), the Administrator shall submit to the appropriate committees of Congress a report on such action.



Heliport Data in ADIP

- Hospital Heliports <u>2637</u> total in ADIP
 - 2614 of those heliports have provide updates within the last five years
- Heliport data can be accessed from ADIP
 - https://adip.faa.gov
 - https://adip.faa.gov/pub/Heliports.xlsx
 - Advanced Search provides ability to search for different facility types including Heliports
- Details of each heliport can be viewed on the web and also downloadable in 5010 format
 - Simple map included to show the geographical location



Extract from Section 314:

A report on the assessment, including any recommendations on how to make information related to the location of heliports and helipads used by helicopters providing air ambulance services available to the general public.



Medical Heliport Data in ADIP by Year

10 Year Update statistics for Medical Heliports:

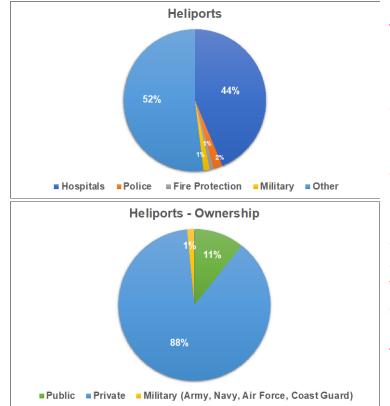
- Of the 2 heliports without any updates in over 10 years:
 - 1 was inactive and has been abandoned
 - 1 was active and an update is pending

5 Year Update statistics Medical Heliport:

- Of the 23 heliports without any updates in over 5 years:
 - 5 are inactive or uncontactable
 - 5 were active and updated their information
 - 13 have pending updates

3 Year Update statistics Medical Heliport:

- Of the 215 heliports without any updates in over 3 years:
 - 32 are inactive or uncontactable
 - 67 were active and updated their information
 - 116 are pending an update but were contactable

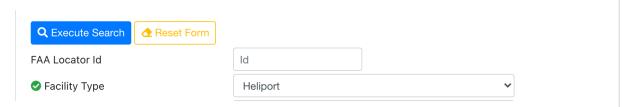


Extract from Section 314: In collaboration with helicopter air ambulance industry stakeholders, shall assess the availability of information to the general public related to the location of heliports and helipads used by helicopters providing air ambulance services, including helipads and helipads outside of those listed as part of any existing databases of Airport Master Record (5010) forms.

Heliport Data can be obtained from ADIP Advanced Search

https://adip.faa.gov/agis/public/#/airportSearch/advanced

Search for Heliport in Facility Type





Outreach

- Collaboration with Government and Industry stakeholders
 - Collaborated with the National Geospatial-Intelligence
 Agency (NGA) on the use of imagery to verify locations
 - Working closely with the FAA's Helicopter Modernization
 Team (AFS-420A) to identify source-available requirements identified by:
 - United States Helicopter Safety Team (USHST)
 - Helicopter Association International (HAI)
 - Helicopter Safety Advisory Council (HSAC)
 - Rotorcraft Round Table
 - Air Medical Operators Association (AMOA)
 - 3rd Party Instrument Designers
 - FAA (AFS-200, AFS-800, AFC-500 & AFS-100)





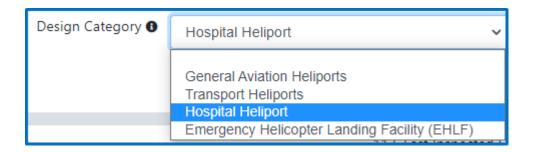




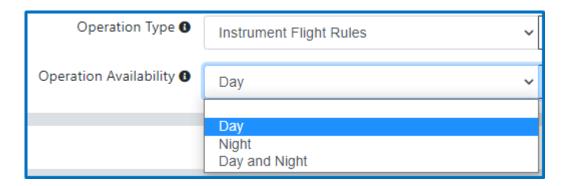


New Heliport Data Features

Heliport Design Category, Operation Type and Operation Availability







Helipad dimension fields (TLOF, FATO and Safety Area)

Helipad			H1		\$	Н1
Helipad Coordinates (•			Н1		
Latitude Longitude				28°39'0.400"N 81°32'28.800"W		
General Helipad Infor	mation					
	30. Helipad ID 🚯	H1				
	31. TLOF Length 🚯	40			-	
	32. TLOF Width 🚯	40			•	
	FATO Length 🚯	60				
	FATO Width 🚯	60				
	Safety Area Length 🚯	80				
	Safety Area Width 🛭	80				

Weight Limit field for Helipad 32. TLOF Width 6 FATO Length 6 60 FATO Width 6 60 Safety Area Length 1 80 Safety Area Width 6 80 33. Surface Type 6 CONC-Portland Cement Concrete **\$** Surface Condition 6 34. Surface Treatment 6 **\$** Gross Weights (In Thousands of Pounds) 35. Single Wheel (S) 1 35 A. Helicopter Weight 🚯 12000



Heliport Lighting Types

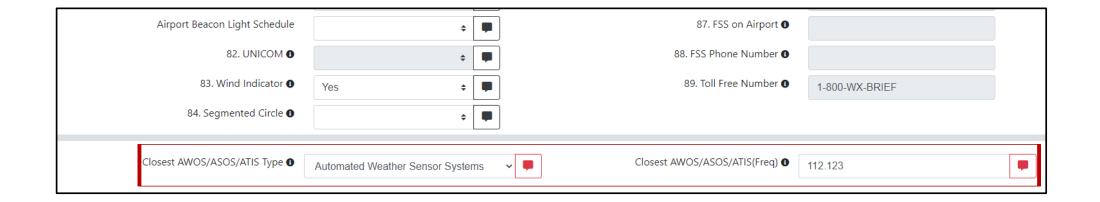
Options for IFR Heliports:



Options for VFR Heliports:



Closest AWOS/ASOS/ATIS Frequency



Other attributes being collected:

- Heliport Crossing Height (HCH)
 - Default value for VFR helipads will be 5ft
 - Options for IFR helipads will be 5, 10, 15, 20ft and Other
- Ingress/Egress Orientation
 - With Primary and Secondary Options
- Helipad Reference Point (HRP) Elevations in both MSL and AGL
 - E.g., a helipad with an MSL of 100ft and AGL or 30ft implies the helipad is on-top of a three-story building



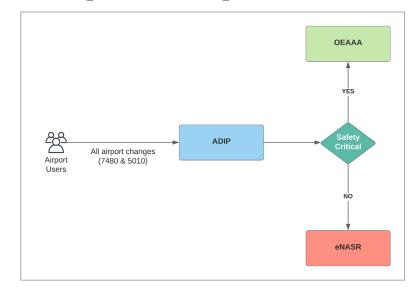
Existing Policy and Forms

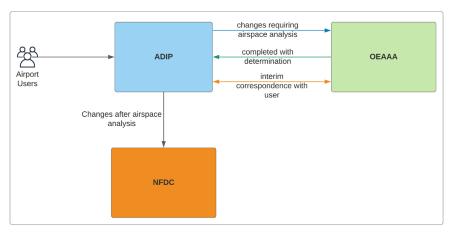
- Form 7480-1 Notice for Construction, Alteration and Deactivation of Airports (and Heliports)
 - Per Title 14 Code of Federal Regulations Part 157, to notify the FAA at least 90 days before construction,
 alteration, activation, deactivation, or change to the status or use of a civil or joint-use (civil/military) airport
- Airport Master Record (AMR) refers to all four FAA forms used in the Airport Safety Data Program – 5010-1; 5010-2; 5010-3 and 5010-5
 - Forms 5010-1 & 5010-2 are for existing airports/heliports and contain aeronautical data on <u>existing</u> landing areas
 - Form 5010-1 is for civil public-use airports/heliports, joint military and public-use airports/heliports and private-use military airports/heliports
 - Form 5010-2 is for civil private-use airports/heliports
 - Form 5010-3 and 5010-5 are "blank" forms used to report aeronautical data on a newly proposed or newly constructed airport/heliport
 - Form 5010-3 is used to provide the initial physical inspection report on a newly constructed or reported civil publicuse airport/heliport
 - Form 5010-5 is used to provide an initial report on a newly constructed or newly reported civil private-use airport/heliport



Streamlined Workflow for One-Stop-Shop

- In collaboration with Government and Industry stakeholders.
 - Held meetings with <u>USHST</u> in order to gather requirements.
 - Collaborated with <u>NGA</u> on the use of imagery to verify locations
- In the current process, Airport and Heliport owners/managers must use multiple applications to submit changes
 - ADIP/AMR for 5010
 - OE/AAA for 7480
- With on-going developments, all changes can be submitted and managed from ADIP
 - Changes can be submitted and tracked within the application
 - ADIP will interface with other systems to follow the process







Integrate and Initiate 7480 Process in ADIP

Users will be able to submit 7480-1 in ADIP Application

Each person who intends to do any of the following shall notify the Administrator in the manner prescribed in 157.5:

- (a) Construct or otherwise establish a new airport or activate an airport.
- (b) Construct, realign, alter, or activate any runway or other aircraft landing or takeoff area of an airport.
- (c) Deactivate, discontinue using, or abandon an airport or any landing or takeoff area of an airport for a period of one year or more.
- (d) Construct, realign, alter, activate, deactivate, abandon, or discontinue using a taxiway associated with a landing or takeoff area on a public-use airport.
- (e) Change the status of an airport from private use to public use or from public use to another status.
- (f) Change any traffic pattern or traffic pattern altitude or direction.
- (g) Change status from IFR to VFR or VFR to IFR.

Take to 7480 Process



Process within ADIP starts with the Purpose

User will be able to select the purpose of the notification

Purpose Of Notification Once made a selection for Purpose of Notification and form is Prepopulated, you have to start over to change your selection.
 Construct or Establish Construct, Alter or Realign Change Status From/To Change Traffic Pattern Deactivate

New Construction

For new construction, user will be able to enter the data in all sections

■ Purpose Of Notification					
 Construct or Establish Construct, Alter or Realign Change Status From/To Change Traffic Pattern Deactivate 					
♣ Airport Owner Information	■ Airport Manager Information				
♣ Property Owner Information ♠ copy from Airport Owner	■ Physical Address Information				
■ Name, Location, Use and Type of Landing Area					
Landing Area Data: Runways (Airport, Seaplane Base, or Ultralight Flightpark) total: 0					
■ Landing Area Data: Helipads (Heliport, Balloonport or other Landing Area) total: 0					
♣ Operational Data					
Please fill Landing Area Data: provide at least one runway or heliport (helipad), and ensure that all the mandatory fields are filled in. ☐ Back to Projects					



Changes to Existing Locations

Start with location identifier

■ Purpose Of Notification		
 Construct or Establish Construct, Alter or Realign Runway Helipad Taxiway (Public Use Airports only) Other 		
Adding a new Helipad at this Facility		
Change Status From/ToChange Traffic PatternDeactivate		
76VA	0	■ Load Published Data

Fully Integrated with current published data

System will display the existing, published data for the selected location

■ Purpose Of Notification						
Construct or Establish Construct, Alter or Realign Runway Helipad Taxiway (Public Use Airr Other Adding a new Helipad Change Status From/To Change Traffic Pattern Deactivate	•					
76VA	Load Published Data					
Airport Owner Information	1		Airport Manager Informat	tion 🔘 copy from Airport Owner		
* Name of Airport Owner	ROUBIN & JANEIRO INC	6	* Name of Responsible	STEVE NECESSARY	0	
Attention Of		0	* Street	8550 LEE HIGHWAY	0	
* Street	8550 LEE HIGHWAY	0	Street 2		0	
Street 2		0	* City	FAIRFAX	0	
* City	FAIRFAX	0	* State	Virginia	0	
* State	Virginia	0	* Zip Code	22031	0	
* Zip code	22031	0	* Phone	(123) 456-7890 or 123-456-i		
* Phone	703-573-9350		DSN#	O Ext		
DSN#	• Ext		Fax	(123) 456-7890 or 123-456-7890	0	
Fax	(123) 456-7890 or 123-456-7890	0	* Email		0	
* Email		0				



Centralized Repository for All Documents/Artifacts

Central repository for all documents/artifacts

Project Summary	Project Activity			
AMR Id: 76VA_2021_00072083 Created By: John Doe	Date	User	Action	
Created Date: Today 7:10 AM	Today 7:13 AM	John Doe	Updated Project	
Last Modified By: John Doe Last Updated Date: Today 7:13 AM	Today 7:10 AM	John Doe	Created Project	
Project Status: IN_PROGRESS				
■ Purpose Of Notification				
■ Airport Owner Information	■ Airport Manager Information			
■ Property Owner Information □ copy from Airport Owner	■ Physical Address Information			
■ Name, Location, Use and Type of Landing Area				
Landing Area Data: Runways (Airport, Seaplane Base, or Ultralight Flightpark) total: 0				
Landing Area Data: Helipads (Heliport, Balloonport or other Landing Area) total: 2				
♣ Operational Data				
Not Ready You must populate all required fields in order to Submit this form to FAA.				
I≡ Back to Projects				

Integration with OE/AAA for Airspace Analysis

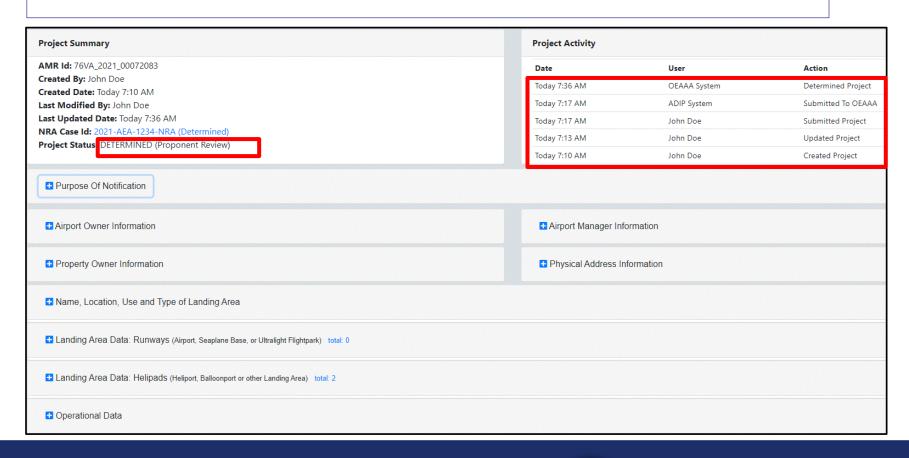
ADIP System will submit the data to OEAAA and display all the activity with Non-Rule Making Airports (NRA) case Id

Project Summary	Project Activity					
AMR Id: 76VA_2021_00072083	Date	User	Action			
Created By: John Doe Created Date: Today 7:10 AM	Today 7:17 AM	ADIP System	Submitted To OEAAA			
Last Modified By: John Doe	Today 7:17 AM	John Doe	Submitted Project			
NRA Case Id: 2021-AEA-1234-NRA	Today 7:13 AM	John Doe	Updated Project			
Project Status: SUBMITTED	Today 7:10 AM	John Doe	Created Project			
♣ Purpose Of Notification						
□ Airport Owner Information	 ♣ Airport Manager Information ♣ Physical Address Information 					
Property Owner Information						
□ Name, Location, Use and Type of Landing Area						
□ Landing Area Data: Runways (Airport, Seaplane Base, or Ultralight Flightpark) total: 0						
Landing Area Data: Helipads (Heliport, Balloonport or other Landing Area) total: 2						
♣ Operational Data						
I≡ Back to Projects ■ Expand All ■ Collapse All ← Home						



Tracking and Traceability for Submissions

ADIP System will update the status from OEAAA system





Ability for User to Review before sent for Publication

User will login to ADIP System to review and approve determination decision

Project Summary	Project Activity					
AMR Id: 76VA_2021_00072083	Date	User	Action			
Created By: John Doe Created Date: Today 7:10 AM	Today 7:36 AM	OEAAA System	Determined Project			
Last Modified By: John Doe	Today 7:17 AM	ADIP System	Submitted To OEAAA			
Last Updated Date: Today 7:36 AM	Today 7:17 AM	John Doe	Submitted Project			
NRA Case Id: 2021-AEA-1234-NRA (Determined) Project Status: DETERMINED (Proponent Review)	Today 7:13 AM	John Doe	Updated Project			
Troject status berennines (tropolicite terren)	Today 7:10 AM	John Doe	Created Project			
■ Purpose Of Notification						
■ Airport Owner Information	■ Airport Manager Information Physical Address Information					
Property Owner Information						
Name, Location, Use and Type of Landing Area						
■ Landing Area Data: Runways (Airport, Seaplane Base, or Ultralight Flightpark) total: 0						
□ Landing Area Dataː Helipads (Heliport, Balloonport or other Landing Area) total: 2						
Operational Data						
≡ Back to Projects						

Future Enhancements

- Vertiports
- Droneports
- Spaceports

Contacts

Office of Airports (ARP)
Airport Data & Airspace Branch (AAS-120)

Christopher Criswell, Program Manager Christopher.Criswell@faa.gov 202-267-4634

Drew Goldsmith, ADIP Project Manager Andrew.e.goldsmith@faa.gov 202-267-6549

