Airport Data Information Portal (ADIP)

Streamlining Airport/Heliport Data Collection & Management

January 28, 2022

Federal Aviation
Administration

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.
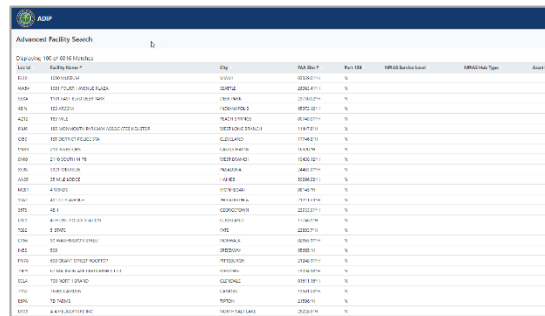
Collaboration with Stakeholders

- **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-able 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)

Heliport Data Improvements
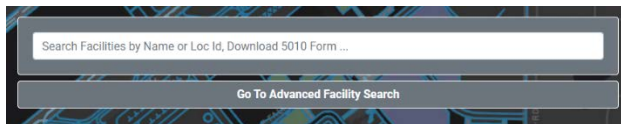
- **Heliport Data is contained within the Airport Data Information Portal (ADIP).**

  - Located at: https://**ADIP.FAA.GOV**

- **Airport Data Information Portal (ADIP) is the One-Stop-Shop for all Airport/Heliport Data**

  - Simplifies, consolidates and streamlines the current disparate data entry and management into a single platform

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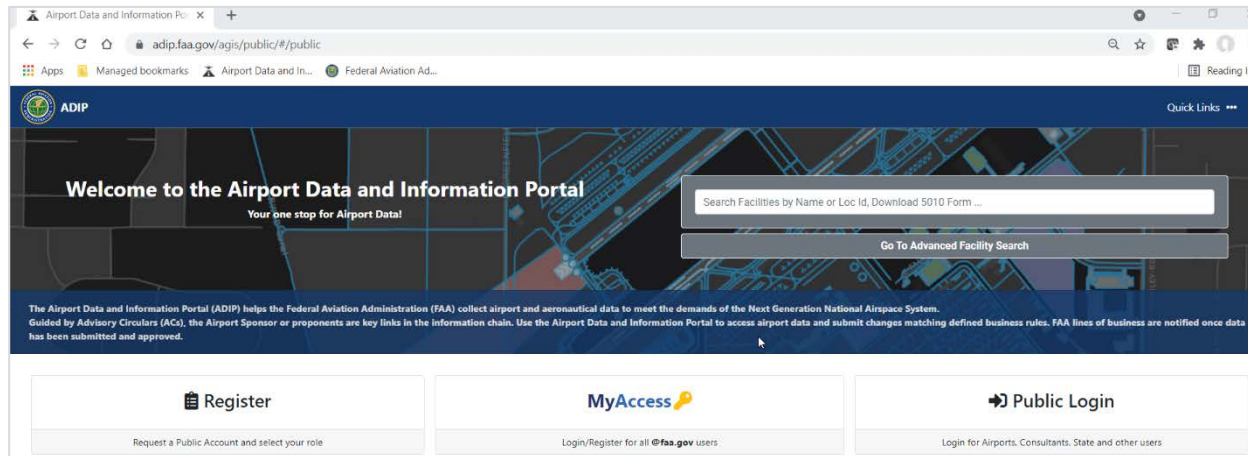
Heliport Data Improvements (cont.)

Public User Access: ADIP allows for users to view and search Airport/Heliport data.

- Extract data into a CSV file

- Download 5010 form.
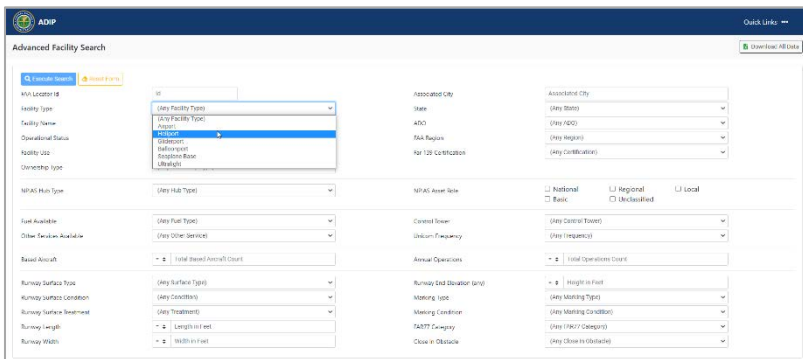
Extract from Section 314:

Make information related to the location of heliports and helipads used by helicopters providing air ambulance services available to the general public.

Extract from Section 314:

Database of heliports and helipads used by helicopters providing air ambulance services.

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Heliports Improvement (cont.)

Extract from Section 314:

Database of heliports and helipads used by helicopters providing air ambulance services.

- **Registered Users:**

- **ADIP consists of portfolio of airport data collection applications**

  – Airports Geographic Information System (AGIS)

  – Modification of Standards (MOS)

  – Runway Safety Area (RSA)

  – Runway Incursion Mitigation (RIM)

  – **Airport Master Record (AMR)** allows for updates to 5010 data. **Including Heliport Data**

  – Airport Obstacle Data Search

  – Recently ADIP was enhanced to include high-resolution and current satellite imagery to allow accurate analysis

Heliport Data can be obtained from ADIP Advanced Search:

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

Search for Heliport in Facility Type

Heliport Data in ADIP

- **Hospital Heliports - 2637 total in ADIP (As of December 2021)**

  - 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

  - Public access to the 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**

  - Map functionality 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.

Heliports

52% | 44% | 1% | 2%

Hospitals | Police | Fire Protection | Military | Other

Heliports - Ownership

88% | 11% | 1%

Public | Private | Military (Army, Navy, Air Force, Coast Guard)
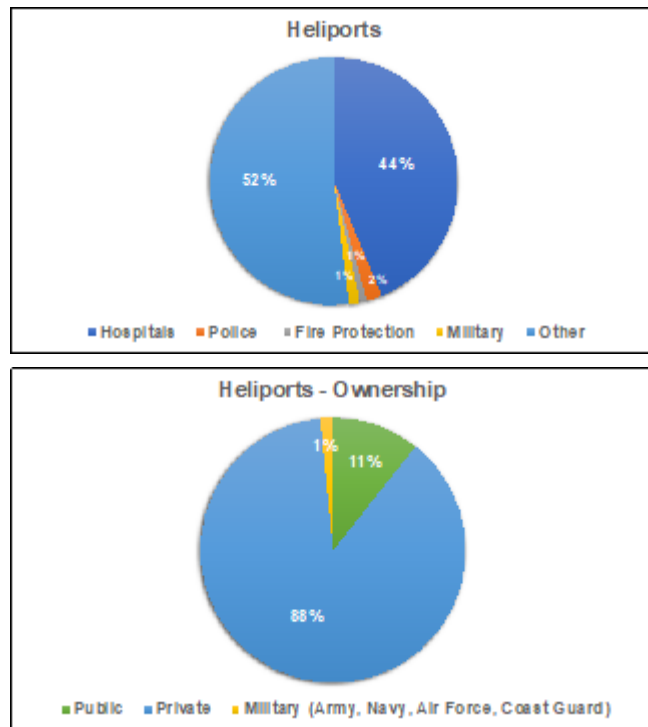
Advanced Search with Map & Context

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Single Facility Search with Map & Details

Geospatial Visualization Capability

- **Full support for geospatially visualizing heliport locations utilizing current imagery from Digital Globe.**

- **Supports verification and validation of heliport locations for data updates**

New Heliport Data Features

- **Heliport Design Category**

- **Operation Type**

- **Operation Availability**

- **Helipad dimension fields (TLOF, FATO and Safety Area)**

- **Weight Limit for Helipads**

- **Closest AWOS/ASOS/ATIS Frequency**

- **Heliport Crossing Height (HCH)**

- **Ingress/Egress Orientation**

- **Helipad Reference Point (HRP) Elevations in both MSL and AGL**

- **Heliport Lighting Types**

Existing Policy and Forms

- **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 public-use airport/heliport

    - Form 5010-5 is used to provide an initial report on a newly constructed or newly reported civil private-use airport/heliport

- **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

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Streamlined Workflow for One-Stop-Shop

- **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
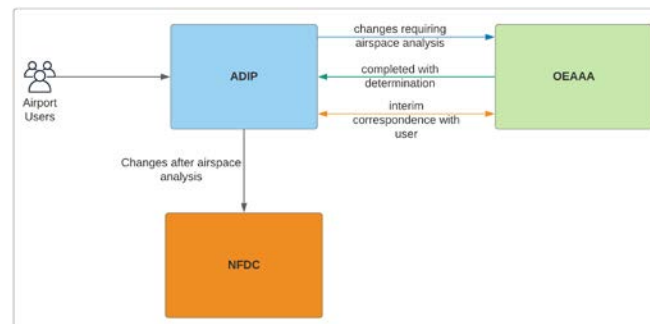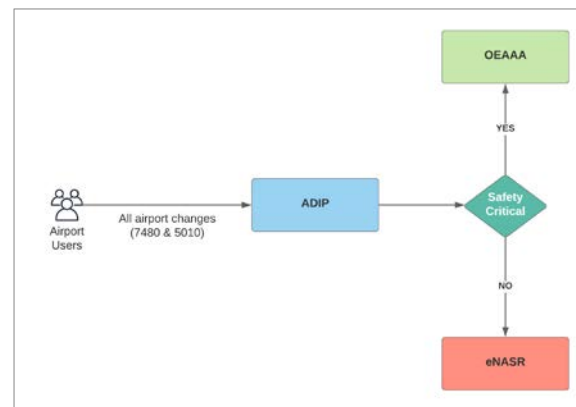
Eliminate Data Bottlenecks

Integrate and Initiate 7480 Process within 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

Back to Projects | Expand All | Collapse All | Save | Home

New Construction

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

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/To
○ Change Traffic Pattern
○ Deactivate

76VA   🛈   📋 Load Published Data

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Fully Integrated with current published data

Centralized Repository for All Documents/Artifacts

Central repository for all documents/artifacts

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

Tracking and Traceability for Submissions

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Ability for User to Review before sent for Publication

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

Questions?
ADIP.FAA.GOV