

FAA AUTOMATED AERONAUTICAL DATA FEEDS & NOTAMS

SLOWLY....STEADILY....TOGETHER



BACKGROUND FOR TODAY'S COMBINED PRESENTATION

2018 ANNUAL CONFERENCE

FAA AERONAUTICAL INFORMATION CONSUMPTION IS RAPIDLY INCREASING

Advanced Air Traffic Initiatives (TBFM, CDM, CPDLC, STARS)

Unmanned and Remotely Piloted Aeronautical Systems

3rd Party Procedure Development (PinS, RNP-AR, RVFP)

Commercial Space Launch

International Standardization on Data Exchange (AIXM, FIXM, WXXM)

SAPOE AERONAUTICAL AND GEOSPATIAL DATA NEEDS ARE INCREASING

- PBN/OEI Takeoff and Missed Approach Procedures
- Airline and 3rd Party Charting/Briefing Solutions
- Takeoff and Landing Performance Assessment
- Forecasting and Event Exploration
- Real-Time/In-Cockpit Information Dissemination
- Big Data Operations Engineering Solutions

FAA OPPORTUNITY TO COLLABORATE

Information Exchange Standards, Internal Initiatives and New User Needs are Revealing Product Deficiencies

FAA Is Working Internally To Address Internal Product Needs (AISWG)

FAA is Working Externally To Address Conformance With International Standards (ICAO/IATA/RTCA/Eurocontrol)

FAA Is Reaching Out To Industry On Aeronautical, Obstacle and NOTAM Enhancements

- Understand NAS User Needs
- Reveal Interdependencies
- Improve Existing Product Quality
- Enhance Product Delivery

SAPOE Is Uniquely Positioned To Assist

AGENDA

Update on US Aeronautical and Obstacle Data

- Paul Hannah – Lean Engineering

Update on FAA NOTAMs

- Lynette McSpadden (Jamison) – FAA NOTAM Governance
- Amy Seador – FAA NOTAM Governance

Q&A With Members

UPDATE ON US AERONAUTICAL DATA

FUNDAMENTAL DATABASES, SUPPORTING DATABASES AND EMERGING DATA FEEDS

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FUNDAMENTAL FAA AERONAUTICAL DATABASE NASR

National Airspace System Resources (NASR)

- Maintained by the National Flight Data Center (NFDC) a division of FAA ATO/MSS
- Authoritative Repository of current information
- NASR is the basis for many FAA Aeronautical Products

NASR Webportal/Website Access

- https://www.faa.gov/air_traffic/flight_info/aeronav/aero_data/
- <https://enasr.faa.gov/eNASR/nasr/>
- https://www.faa.gov/air_traffic/flight_info/aeronav/aero_data/NFDD/

Aeronautical Data, National Flight Data Center (NFDC)

Use the NFDC Portal to submit data forms, make inquiries, and sign up for notifications.

Browse Aeronautical Data

- 28 Day NASR Subscription
- Airport Data
- Airspace Fixes
- Construction Notices
- eNASR Browser
- Location Identifiers Search Tool
- National Flight Data Digest (NFDD)
- Part 95 Consolidation
- Radio Fix and Holding Data Records (8260-2)
- Special Instrument Approach Procedures
- Survey Data
- Transmittal Letters

Submit Aeronautical Data

NFDC Cut-Off Dates for submission of aeronautical data and chart changes.

- Airport Data Changes (Public/Private Use)
- Airport Data Changes (Military)
- Aeronautical Chart Changes
- Aeronautical Data Inquiries

The forms below are part of FAA Order 7900.2D.

- Air Traffic Control Tower (ATCT) and Terminal Air Traffic Control Facilities Data Form
- Air Traffic Service Airway (Non-Regulatory) Data Form
- ARTCC, CERAP and CCF Data Form
- Flight Service Stations (FSS) and Military Base Operations (BASEOPS) Data Form
- Instrument Landing System (ILS) Data Form
- Miscellaneous Activity Areas (MAA) Data Form

Applications

- Third Party Survey System (TPSS)

Aeronautical Information Services - National Flight Data Center (NFDC)

Airport ID: Lookup

Data Effective: 11/05/2018 - 12/06/2018

SD (KSDL) SCOTTSDALE

SCOTTSDALE, AZ - UNITED STATES

Summary Operations Communications NAMEO Weather RWY 0301 Fugates Checks Contacts Remarks

Summary

Latitude/Longitude: 33-37-22.4N/111-55-37.9W

Elevation: 1070 FT

Validated: 12 E 1998

Time zone: 8 miles N of SCOTTSDALE, AZ

ARTCC: ZAB

Section chart: PROGNR

Time zone: UTC-7

OPERATIONS

Airport Status: Operational

Public use: Open to the public

Control tower: Airport traffic control tower

Service hours: 0000-2359

Airport Class: Class C

FSS: FRES COFF FSS (FSS) N8700 1000-0300

NOTAMS Facility: ENL (SCOTTSDALE)

National Flight Data Digest (NFDD)

The following table contains the National Flight Data Digest (NFDD) that were published within the past year.

NFDD Effective Date	NFDD Number	File Name	File Size
2018-11-15	2018-201	MSA-2018-11-09-201.pdf	1.5 KB
2018-11-14	2018-200	MSA-2018-11-02-200.pdf	164 KB
2018-11-13	2018-200	MSA-2018-11-02-200.pdf	1.5 KB
2018-11-09	2018-200	MSA-2018-11-02-200.pdf	1.5 KB
2018-11-08	2018-200	MSA-2018-11-02-200.pdf	1.5 KB
2018-11-07	2018-200	MSA-2018-11-02-200.pdf	1.5 KB
2018-11-06	2018-200	MSA-2018-11-02-200.pdf	1.5 KB
2018-11-05	2018-200	MSA-2018-11-02-200.pdf	1.5 KB
2018-11-04	2018-200	MSA-2018-11-02-200.pdf	1.5 KB
2018-11-03	2018-200	MSA-2018-11-02-200.pdf	1.5 KB
2018-11-02	2018-200	MSA-2018-11-02-200.pdf	1.5 KB
2018-11-01	2018-200	MSA-2018-11-02-200.pdf	1.5 KB
2018-10-31	2018-200	MSA-2018-11-02-200.pdf	1.5 KB
2018-10-30	2018-200	MSA-2018-11-02-200.pdf	1.5 KB
2018-10-29	2018-200	MSA-2018-11-02-200.pdf	1.5 KB
2018-10-28	2018-200	MSA-2018-11-02-200.pdf	1.5 KB
2018-10-27	2018-200	MSA-2018-11-02-200.pdf	1.5 KB
2018-10-26	2018-200	MSA-2018-11-02-200.pdf	1.5 KB
2018-10-25	2018-200	MSA-2018-11-02-200.pdf	1.5 KB
2018-10-24	2018-200	MSA-2018-11-02-200.pdf	1.5 KB
2018-10-23	2018-200	MSA-2018-11-02-200.pdf	1.5 KB
2018-10-22	2018-200	MSA-2018-11-02-200.pdf	1.5 KB
2018-10-21	2018-200	MSA-2018-11-02-200.pdf	1.5 KB

NASR INSIGHT

There was, at one time, an external API for direct eNASR access

- TARGETS users can still get access through an API
- Internal FAA users and a handful of external consumers have access
- Other APIs are available, but mostly for 56 Day Products

eNASR

Cycle: PreChart Resource: Airport Clear Results

Airport Query

Criteria

Total Results 1

Airport ID	Airport Name	City	State	Site No Type
SDL	SCOTTSDALE	SCOTTSDALE	AZ	00788.*A

eNASR

Cycle: PreChart Resource: Airport Query Screen

Airport SDL

General Location Associated FAA Facilities Contacts Services and Facilities Usage, Rules, and Regulations Pad Rwy Linear Rwy

Identification

Arpt Name:	SCOTTSDALE	Sort Name:	SDL
FAA Site Nr:	00788.A	ICAO ID:	KSDL
Ownership:	PUBLIC	World Aero Chart:	1942 03-01
Update Date:	2018-11-02	Sectional Aero Chart:	PHOENIX

Off Cycle Update

Airport Status

Status:	OPERATIONAL	Entry Date:	Abandonment Date:
---------	-------------	-------------	-------------------

General Remarks

Rmk Nr	Remark
2	COYOTES OCCASIONALLY CROSSING RY 03/21 & TWYS.
3	HAWKS INVOF RY 03/21.
6	TGL PERMITTED BTWN 0600-2130 ONLY.
8	NO MAINTENANCE RUNUPS BTWN 2200-0700.
11	RY 03 PREFERRED FOR CALM WIND AND NOISE ABATEMENT.
17	ALL MILITARY ACFT PROVIDE 24 HR ADVANCE NOTICE PRIOR TO ARRIVAL, CALL AIRPORT OPERATIONS (480) 312-8478.
18	NO MIDFIELD DEPARTURES ON RY 03 OR RY 21.

eNASR shows current, next and pre-chart

- Pre-chart and NFDD are synced at least daily
- Once a 28 Day Cycle is Complete, then the “current” and “next” views are locked

The current “AIXM” compliant dataset produced by the US is a NASR product

Coded Instrument Flight Procedure (CIFP - FAA ARINC 424 Deliverable) is a NASR Product

FUNDAMENTAL FAA AERONAUTICAL DATABASE AGIS

Airports GIS (AGIS)

- Maintained by the FAA ARP
- Repository of Surveyed Airport Information, Planned Improvements and many other Airport to ADO information exchanges

No Unsponsored Access

- <https://airports-gis.faa.gov/public/index.html>
- Access is currently limited to airports, surveyors and consultants assisting airports and FAA ARP lines of business

AGIS Insights

Not all US Airports are, or will be, in AGIS

- Currently only a few hundred airports in AGIS
- Targeting federally obligated/NPIAS airports (3,321 NPIAS out of 19,627 US Airports)

AC-150-5300-16/17/18 Surveys are entered into AGIS first and then later converted to UDDF

There are security sensitive datasets stored in AGIS that have prevented pure external access in the past

Current information in AGIS is synchronized with OE/AAA, AIRNAV and NASR (just not instantaneously)

FUNDAMENTAL FAA AERONAUTICAL DATABASE OE/AAA

Obstacle Evaluation/Airport Airspace Analysis (OE/AAA)

- Maintained by FAA ARP, FAA ATO/MSS and Used By Other Federal Agencies
- Authoritative Repository of planned and proposed information

OE/AAA Website and API

- <https://oeaaa.faa.gov/oeaaa/external/portal.jsp>
- <https://oeaaa.faa.gov/oeaaa/services/list>

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OE/AAA Insights

Obstacle Information (OE Case Numbers) are actively being linked to other products

- OAS
- NOTAMs

OE Determined Wind Turbines are input into the DDOF/DOF prior to construction

Other OE Determined Obstacles will be input into DDOF/DOF when the 7460-2 is filed and construction has started



only accept point obstacles with

11/21/2018

11

OTHER IMPORTANT FAA AERONAUTICAL DATABASES

Airport Master Record Database (5010)

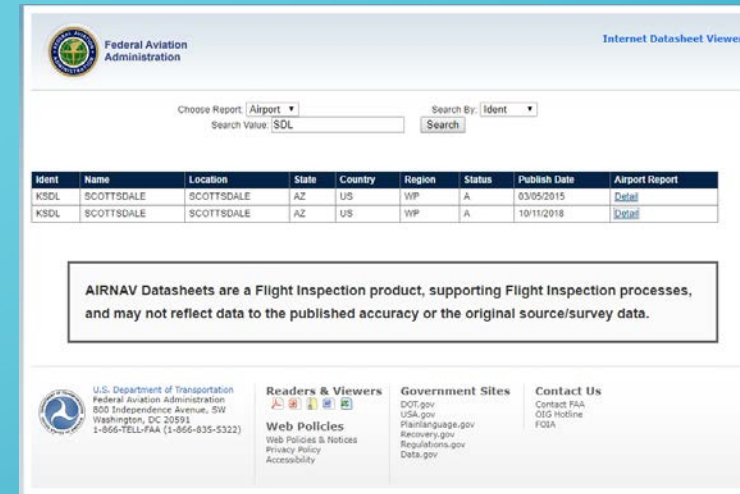
- Maintained by FAA ARP (Under Contract with GCR Associates)
- Minimum information necessary for US Airports to be included in aeronautical dissemination and charting publication
- <https://www.gcr1.com/5010web/>

Instrument Flight Procedures (IFP) database

- Maintained by FAA ATO/MSS
- Application that updates flight procedure information resulting from FAA flight procedure development

Airports and Navigation Aids database (AIRNAV)

- Maintained by FAA ATO/MSS
- Application that updates airport and NAVAID information resulting from flight procedures and flight inspection work
- TPSS and Flight Inspection Obstacles are stored here as well
- TARGETS users have API access to this and it may be possible to get pure external access in the future



The screenshot shows the FAA Internet Datasheet Viewer interface. At the top, it says "Federal Aviation Administration" and "Internet Datasheet Viewer". Below that, there are search filters: "Choose Report: Airport", "Search By: Ident", and a "Search Value" field containing "SOL". A "Search" button is next to the search value. Below the search filters is a table with the following columns: Ident, Name, Location, State, Country, Region, Status, Publish Date, and Airport Report. The table contains two rows of data for Scottsdale, AZ. Below the table, there is a disclaimer box that reads: "AIRNAV Datasheets are a Flight Inspection product, supporting Flight Inspection processes, and may not reflect data to the published accuracy or the original source/survey data." At the bottom of the page, there are links for "Readers & Viewers", "Web Policies", "Government Sites", and "Contact Us".

Ident	Name	Location	State	Country	Region	Status	Publish Date	Airport Report
KSOL	SCOTTSDALE	SCOTTSDALE	AZ	US	WP	A	03/05/2015	Detail
KSOL	SCOTTSDALE	SCOTTSDALE	AZ	US	WP	A	10/11/2018	Detail

AIRNAV Datasheets are a Flight Inspection product, supporting Flight Inspection processes, and may not reflect data to the published accuracy or the original source/survey data.

U.S. Department of Transportation
Federal Aviation Administration
800 Independence Avenue, SW
Washington, DC 20591
1-866-TELL-FAA (1-866-835-5322)

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USA.gov
PlainLanguage.gov
Recovery.gov
Regulations.gov
Data.gov

Contact Us
Contact FAA
OIG Hotline
FOIA

Aviation System Standards Information System (AVNIS)

- Maintained by FAA ATO/MSS
- Repository of flight inspection sheets
- Eventually synchronized with NASR
- <http://webdatasheet.faa.gov/>

Flight Operations Management System (FOMS)

- Maintained by FAA ATO/SMS
- Repository of flight inspection reports (published after flight inspection)
- No external access is available except possibly to 3rd Party IFP LOA holders

EMERGING FAA AERONAUTICAL DATA FEEDS

FAA Central Aeronautical Data Jumping Off Point “FAA Got Data”

- https://www.faa.gov/got_data/aero_data/

FAA Non-SWIM WMS, WTMS, WFS

- <http://ais-faa.opendata.arcgis.com/> (Until MAY19)
- <http://adds-faa.opendata.arcgis.com/>
- <http://uas-faa.opendata.arcgis.com/>

FAA Non-SWIM APIs (Swaggerhub Site)

- <https://app.swaggerhub.com/apis/FAA/APRA/1.2.0>

FAA SWIM via NAS Enterprise Security Gateway (NESG/SWIM)

- https://www.faa.gov/air_traffic/technology/swim/products/

FAA GOT DATA AND SWAGGERHUB

Aeronautical Data and Products

The following expandable tables contain aeronautical data produced by FAA's Aeronautical Information Services, the civil aviation authority providing the foundations for flight in the national airspace system.

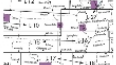
























You can order hard copies from FAA-approved Print Providers.

Dates of Latest Editions (DOLEs)

Developers: web services are available to access products and the underlying product data.

Collapse all

Chart Products

Name	Coverage Area	Download Product	Web Services for the Developer Community	
			Product API	Data API
IFR Charts				
Area Charts				
Digital Enroute Charts (DEC) complete set				
Hawaii/Pacific				
IFR Enroute High Alt				
Alaska				
Caribbean				
Conterminous US				
IFR Enroute Low Alt				
Alaska				

SWAGGERhub

SMARTBEAR

APRA 1.2.0

Design View

Search

US VFR WALL PLANNING CHART

GET /vfr/wallplanning/chart

GET /vfr/wallplanning/info

CODED INSTRUMENT FLIGHT PROCEDURES (CIPF)

GET /cifp/chart

GET /cifp/info

OCEANIC ROUTE CHARTS

GET /ifr/oceanic/chart

GET /ifr/oceanic/info

DAILY DIGITAL OBSTACLE FILE (DDOF)

GET /ddof/chart

GET /ddof/info

NASR 28 DAY SUBSCRIPTION

GET /info/nasr/chart

GET /info/nasr/info

SECTIONAL CHARTS

GET /vfr/sectional/chart

Swagger: 2.0

Info

Title: Aeronautic Product Release API

Description: FAA Aeronautic chart publication download API

Contact: edal-arco@faa.gov

Name: Aeronautic Product Release API (APRA)

URL: http://www.faa.gov/got_data

License: "Creative Commons 0 (CC0)"

URL: https://creativecommons.org/publicdomain/zero/1.0/legalcode

Version: "1.2.0"

Host: soa.smeat.faa.gov

BasePath: /apra

Tags:

US VFR Wall Planning Chart

Coded Instrument Flight Procedures (CIPF)

Oceanic Route Charts

Daily Digital Obstacle File (DDOF)

NASR 28 Day Subscription

Sectional Charts

Digital Enroute Charts US (DEECUS)

IFR Planning Charts

Gulf of Mexico IFR Enroute Chart

IFR Enroute Charts

US Terminal Procedures Publication (TPP)

Terminal Area Charts

Digital Enroute Supplement (DEKS)

Grand Canyon VFR Chart

Supplement Chart

Schemes:

https

paths:

/cifp/chart

get:

Coded Instrument Flight Procedures (CIPF)

summary:

Get CIPF chart download link by edition type of current or next. If edition is left blank or null, the default edition of current is used.

Aeronautic Product Release API

1.2.0

[Base URL: soa.smeat.faa.gov/apra]

FAA Aeronautic chart publication download API

Aeronautic Product Release API (APRA) - Website

Send email to Aeronautic Product Release API (APRA)

Creative Commons 0 (CC0)

Schemes

https

US VFR Wall Planning Chart

GET /vfr/wallplanning/chart

Get WallPlan Chart release information with download link by edition and format.

GET /vfr/wallplanning/info

Get WallPlan edition date and edition number by edition type and format.

Coded Instrument Flight Procedures (CIPF)

GET /cifp/chart

Get CIPF chart download link by edition type of current or next. If edition is left blank or null, the default edition of current is used.

GET /cifp/info

Get CIPF edition date and edition number by edition type of current or next. If the edition is left blank or null, the default edition of current is used.

FAA ADDS



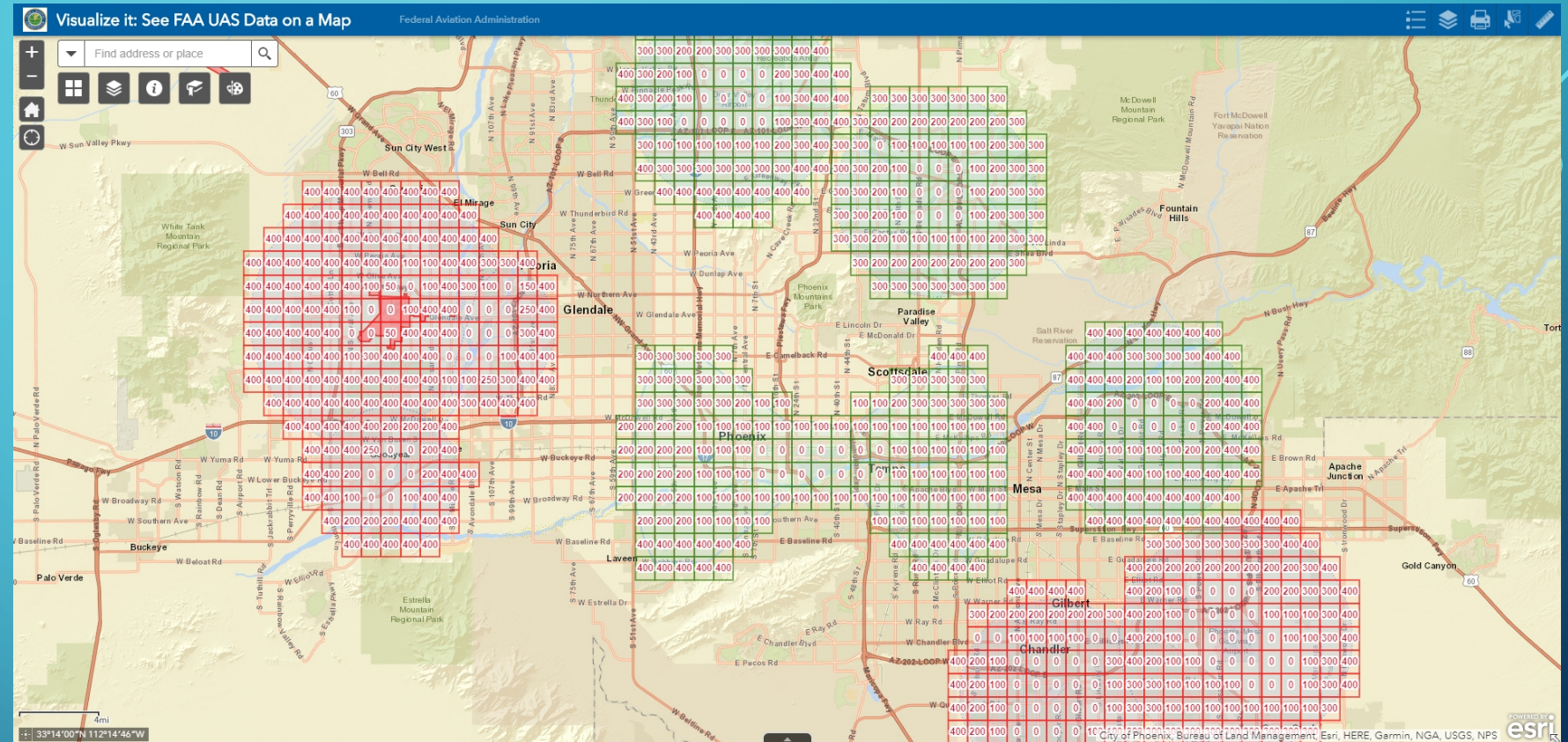
Mostly 56 Day Product Visualization

Airspace information in some cases is real time, or near real time

DOF (no DDOF)

No Declared Distances

FAA UAS ADDS



Data products specifically for UAS operations

Some Airspace information is real time, or near real time

FAA NESG (FAA SWIM)

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Data Products Available via SWIM

Provided below is a list of SWIM Producers and the SOA Services and data products that are made available via the NAS Enterprise Messaging System (NEMS). Send an email request to data-to-industry@faa.gov to get started with the process of getting access to SWIM Data.

Product Availability

List of SWIM Producers and the SOA Services and data products that are made available via the NAS Enterprise Messaging System (NEMS).

Learn more about how to [Get Connected to SWIM Data](#) or view the [External Consumer Brief](#)

Producer	Description	NSRR Business Service Name	Availability
AIM FNS	Provides Notice to Airmen (NOTAMs)	<ul style="list-style-type: none"> FNS NOTAM Distribution 	<div>via NESG: Now Available</div> <div>R&D: Now Available</div> <div>FNTB: Now Available</div>
AIM SAA	Provides Airport reference and configuration data, including: definitions and schedule information for Special Activity Airspace (SAA), Temporary Flight Restriction (TFR), procedure (RNAV/RNP) data, and obstacles.	<ul style="list-style-type: none"> Get Static SAA Put Static SAA SAA Operational Schedule SAA Schedule Notification Static SAA Update Notification 	<div>via NESG: Summer 2014</div> <div>R&D: Summer 2014</div> <div>FNTB: Now Available</div>
AIM Modernization Segment 2	AIMM Segment 2 (S2) will modernize the ingestion, integration, management, and distribution of aeronautical information (AI) by establishing the Aeronautical Common Services (ACS) and a one-stop-shop (OSS) customer portal. ACS and OSS will streamline dissemination	To Be Determined	<div>via NESG: Not Yet Available</div> <div>R&D: Not Yet Available</div> <div>FNTB: Not Yet Available</div>

- AIMM v2 is delayed
- New External Access to NESG is temporarily stalled until Q2 2019

11/21/2018

17

UPDATE ON US OBSTACLE DATA

OAS, TPSS AND OTHER OBSTACLE DATABASES

FUNDAMENTAL FAA OBSTACLE DATABASE

OAS

Obstacle Authoritative Source (OAS)

DOF and DDOF Access

Obstacle Data

Aeronautical Information Services has provided greater public access to obstacle information by adding the obstacle information contained within the Digital Obstacle File (DOF) to the existing Aeronautical Data Delivery Service (ADDS). The ADDS site provides the functionality to filter by attributes and save in industry standard formats. Information is also available as a service. The information contained within 56-day release of the DOF will be available starting October 10, 2018 at <http://adds-faa.opendata.arcgis.com/>

Top Tasks

- [View Alerts/Notices](#)
- [Order FAA Products](#)
- [Find Digital Products](#)
- [Review Aeronautical Data](#)
- [Search for Instrument Flight Procedures](#)

NOTE: Energy Information Administration Documents

If you are looking for DOF file numbers to use in Energy Information Administration documents, please contact EIA Technical Support at technicalsupport@eia.doe.gov

Daily Digital Obstacle File (DOF)

The **Daily Digital Obstacle File** describes all known obstacles of interest to aviation users in the United States, with limited coverage of the Pacific, the Caribbean, Canada, and Mexico. The obstacles are assigned unique numerical identifiers, accuracy codes, and are listed in order by state.

To download a file, right-click, then select "Save" / "Save As" / "Save Target As" to save the desired file to your computer. If you download a zipped file, use an unzip utility to extract the files. The DDOF is a **.dat** file, so you may use Wordpad or most browsers to access it. **If you prefer Notepad:** Use the **Courier** font to retain proper column formatting.

The Daily DOF is also available in the comma separated value (CSV) format to make it easier to import into Geographic Information Systems (GIS).

- DDOF DAT File:** The zip file provides the latest obstacle information in our database.
- DDOF CSV File:** This zip file contains the same data contained within the daily DOF but in CSV Format. It includes the addition of the latitude and longitude in decimal degrees.
- Daily Change File:** The zip file provides all DDOF changes.
- DDOF READ ME (PDF):** This **.pdf** file provides formatting, datum, and other general information pertaining to the DDOF and the Daily Change File.

Introduction

The Obstacles Team investigates and evaluates existing and proposed obstacles that are hazardous to safe flight navigation. We receive observations from both inside and outside the FAA. After determining the structure by receiving supporting documentation and performing verification checks, the team assigns an accuracy code and lists the obstacle into the Obstacle Authoritative Source (OAS) as verified.

News

10/10/18 Addition of 56 Day DOF to ADDS.

1/30/18 New Daily Digital File CSV Format available

Assistance

Should you discover or encounter an error in any of our products, please check the FAA's [Alerts/Notices](#) web page to see if the error has been previously discovered or resolved. If the error is not addressed there, please contact [Obstacle Data](#).

Page last modified: August 13, 2018 9:25:24 AM EDT

OAS INSIGHTS

OAS contains access to the TPSS/UDDF information but that data is not published in the DDOF today

The database is essentially AI XM compliant, but the UI is not

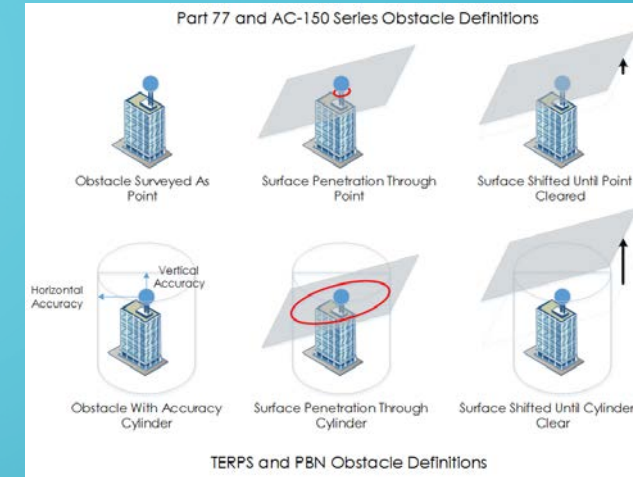
- Only point obstacles with cylindrical accuracy can be defined
- Future update to user interface for obstacle input would be required to “create” linear and polygon obstacles

Its expanding to include new obstacles related to METs

A significant chunk of work performed by the Obstacle Team is dedicated to responding to accuracy requests from flight procedures teams

DOF/DDOF contains man-made “obstructions” that were previously identified on older UDDF files

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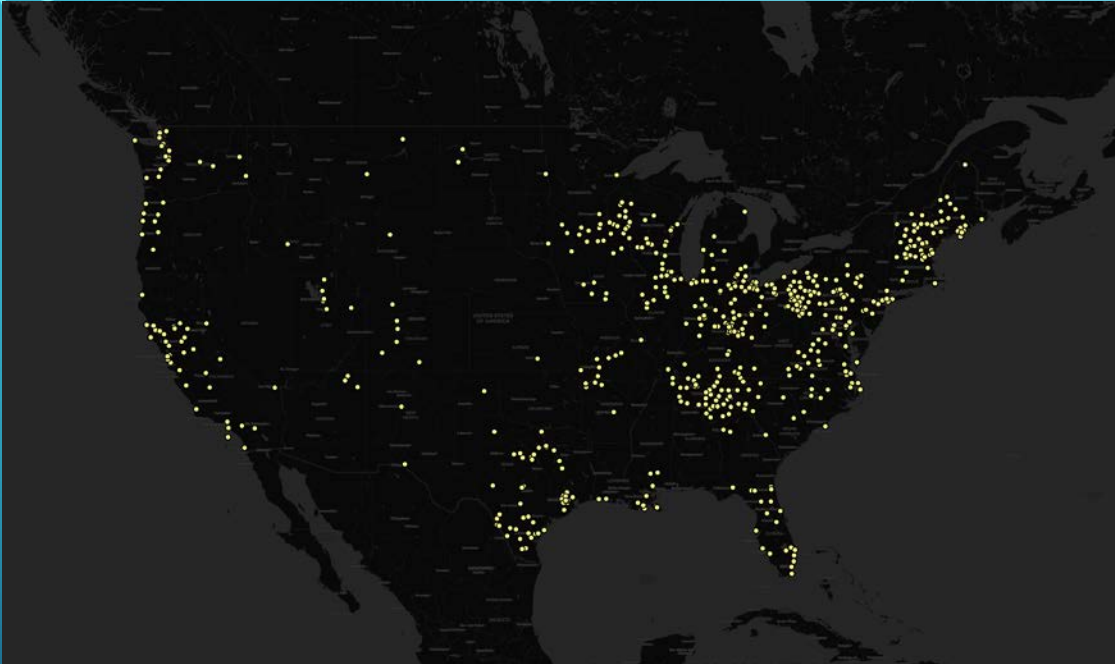


MET Tower From NREL (<https://www.nrel.gov/wind/facilities-research.html>)

11/21/2018

20

OAS INSIGHTS



Map of Airports With Active 3rd Party Procedures

Not every OE/AAA submitted makes it into OAS

- Large airports only publish obstructions in a 20,000ft radius and/or those that would penetrate the Adverse Assumption Obstacle Heights
- Small airports have obstructions in a 10,000ft radius and/or those that would penetrate the Adverse Assumption Obstacle Heights
- Limitations were initially imposed, in part, due to overzealous solar panel installations

FAA OAS and NGA collaborate on some obstacle information but many obstacles known to NGA and not-published in FAA OAS are related to Military Training Routes or military bases

OAS Does not receive obstacle surveys or validated obstacles from 3rd party IFP efforts

- Only FAA contracted obstacle evaluations will be input into OAS
- Some 3rd party surveyed obstacles can exist in AIRNAV2

FUNDAMENTAL FAA OBSTACLE DATABASE TPSS

Third Party Surveyor System (TPSS)

- Maintained by the FAA ATO/MSS
- Repository of all AC-150-5300-18B compliant survey files to be consumed either by flight inspection or flight procedures teams
- Also contains pre-5300-18 survey files, but not all
- All files stored in TPSS are in Universal Data Delivery Format (UDDF)

TPSS Access

- <https://nfdc.faa.gov/nfdcApps/services/publicData/uddfList.jsp>
- No pure API Access (TPSS OBS Are in OAS and AIRNAV)

Aeronautical Information Services - National Flight Data Center (NFDC)

Validated UDDF Files

These data sets were generated by the National Geodetic Survey (NGS) or by third-party surveyors. Although FAA is making these data available to others, the user assumes the entire risk related to the use of or reliance upon these data. FAA is providing these data sets "as is" and has not verified either that it is accurate or that it is current. FAA disclaims any and all warranties, whether expressed or implied, with respect to the data and to its use. In no event will FAA be liable for any direct, indirect, incidental, consequential, special, or exemplary damages or lost profits resulting from any use or misuse of these data sets.

20 Items per page

Search

	Date Uploaded	Survey ID	Airport ID	Airport	Survey Type
⬇	2018-11-14	2018_JXN_SUPLC_8521	JXN	JACKSON COUNTY REYNOLDS FIELD	SPC
⬇	2018-11-13	2018_6M2_VGA_8520	6M2	HORSESHOE BEND	SPC
⬇	2018-11-09	2018_GSP_VGA_8519	GSP	GREENVILLE SPARTANBURG INTL	SPC
⬇	2018-11-07	2018_MCX_ANP_8518	MCX	WHITE COUNTY	SPC
⬇	2018-11-07	2018_FCH_VGA_8517	FCH	FRESNO CHANDLER EXECUTIVE	SPC
⬇	2018-11-02	2018_I95_VGA_8515	I95	HARDIN COUNTY	SPC
⬇	2018-10-29	2018_PUB_VGA_8514	PUB	PUEBLO MEMORIAL	SPC
⬇	2018-10-25	2018_SK2_ANP_8511	SK2	TRIBUNE MUNI	SPC
⬇	2018-10-25	2018_CKY_SUPLC_8513	CEY	KYLE-OAKLEY FIELD	SPC
⬇	2018-10-25	2018_SMO_SUPLC_8512	SMO	SANTA MONICA MUNI	SPC
⬇	2018-10-23	2018_DWIU_VGA_8510	DWIU	ASHLAND RGNL	SPC
⬇	2018-10-22	2018_HIO_VGA_8509	HIO	PORTLAND-HILLSBORO	SPC
⬇	2018-10-17	2018_TKC_VGA_8508	TKC	TRACY MUNI	SPC
⬇	2018-10-17	2018_9VB_VGA_8507	9VB	MARTIN MUNI	SPC
⬇	2018-10-12	2018_KVC_VGA_8505	KVC	KING COVE	SPC
⬇	2018-10-12	2018_HUT_SUPLC_8506	HUT	HUTCHINSON RGNL	SPC
⬇	2018-10-09	2018_GRR_VGA_8504	GRR	GERALD R FORD INTL	SPC
⬇	2018-10-05	2018_TMT_NVQ_8502	TMT	AUSTIN	SPC
⬇	2018-10-04	2018_SKF_VGA_8501	SKF	KELLY FLD	SPC

TPSS INSIGHTS

Obstacles surveyed according to AC-150-5300-18B standards are not all included in a TPSS/UDDF file

Precise runway profile points are no longer required to be reported in a UDDF

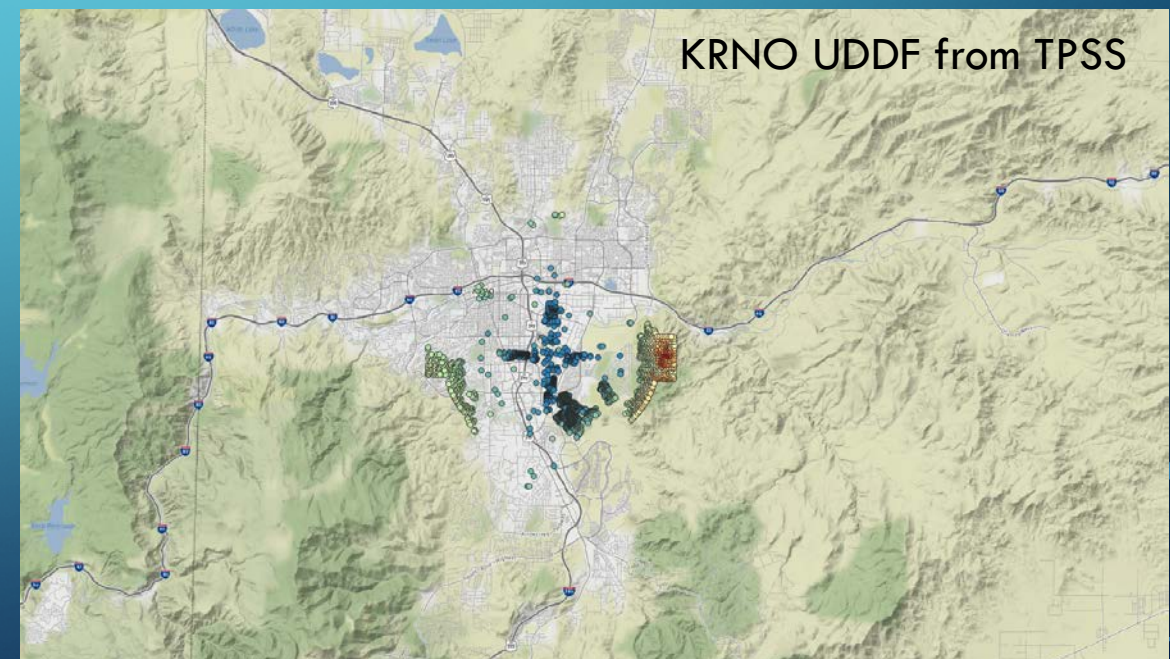
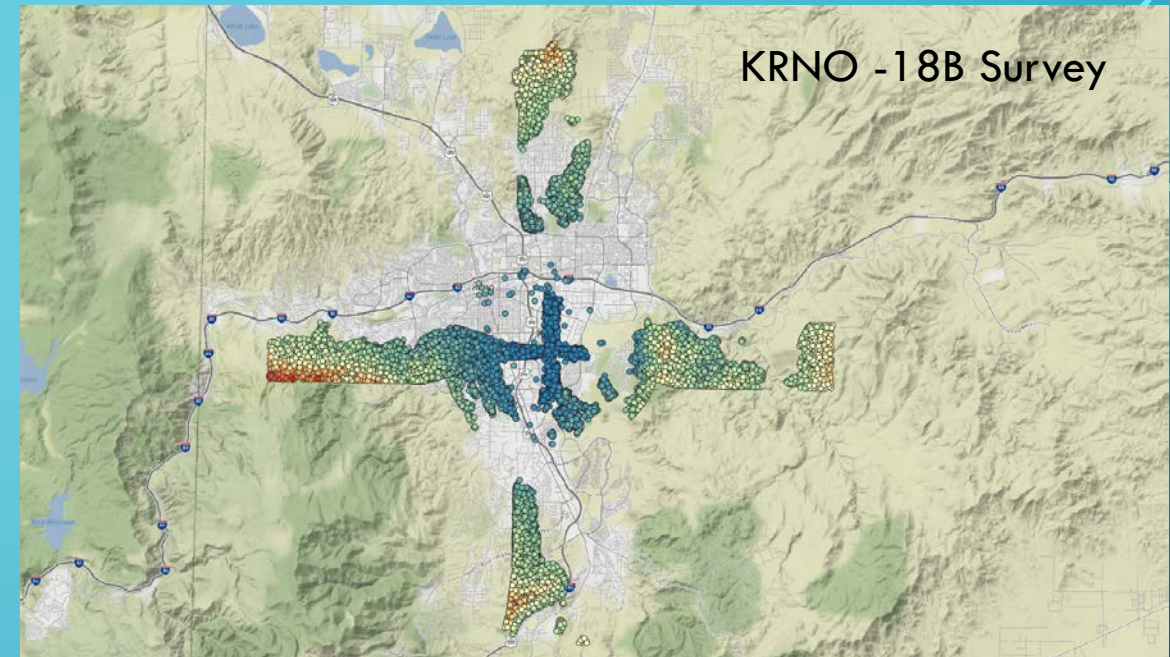
Airport and flight inspection updates to obstacles are not required to be captured in a UDDF “update”

UDDF files can take a long time to come into existence following the data collection and AGIS submission

There are still a few valid UDDF files that live on the NOAA website

- <https://www.ngs.noaa.gov/AERO/aero.html>

2018 ANNUAL CONFERENCE



OTHER IMPORTANT FAA OBSTACLE DATABASES

OE/AAA

- The default accuracy for any obstacle input into OE/AAA is 4D (50ft vertical, 250ft Horizontal)
- The Obstacle Evaluation Group is not looking at OEI surface penetrations or impacts
 - AC-150-5300 OEI surface is currently an “identification” surface and not a “protection” surface

5010

- Controlling obstacles listed for a runway are sometimes the only reference from a VFR airport

AGIS

- Obstacles detected/mitigated by the airport, or State DOT, as part of 20:1, 34:1 updates are stored in AGIS but not frequently pushed into OAS unless a Flight Procedures Team is made aware of the update
- Terrain and runway profile contours are frequently stored with higher fidelity than DEM or DSM, but they are not stored as a raster

FOMS

- Flight inspection obstacles, especially VGSI and IFP, are not well documented and are not currently fed back into OAS

SAPOE OPPORTUNITY FOR DIRECT FAA INTERFACE

OPPORTUNITY TO INTERFACE WITH FAA OBSTACLE TEAM, AGIS TEAM AND NOTAM TEAM

FAA

FAA Obstacle team has offered to work with SAPOE directly

- Official changes can be requested via FAA Aeronautical Charting Meeting (formerly ACF)
- Opportunity to interface directly with SAPOE independently on a quarterly basis

FAA AGIS team has offered to work with SAPOE via other established working groups (ACI/ACC)

FAA NOTAM team continues to work with SAPOE members through various working groups (ACM, A4A)

SAPOE COMMITTEES CAN:

Learn and Inform Our Members

Improve DDOF Product and Access

Consider requesting access to OAS/AGIS/AIRNAV2

Fast track linear and polygon obstacle definition

Consider moving certain obstacle NOTAMs into OAS/DDOF

Continue to work with NOTAM Team On Digital NOTAMs

UPDATE ON FAA NOTAM SYSTEM

SAPOE NEXT STEPS

2018 ANNUAL CONFERENCE

11/21/2018

28

NEXT STEPS

1. Form SAPOE Committee(s) to Interface with FAA and Members

- Primary Committee – Aeronautical Information
- Subcommittees
 - Aeronautical Information
 - Weather Information
 - Flight Planning and Aircraft Position Information
 - Obstacle and Terrain Information
 - NOTAMs

2. Update SAPOE Website

- Information/landing pages for subcommittees
- Feedback Space
- Database and Product Business Process Diagram
- Connecting to Aeronautical Data feeds “How To” videos

3. Engage, Share and Communicate

TOPICS THAT CAN BE COVERED BY SAPOE SUBCOMMITTEES

- USGS Terrain Data*
- State DOT Data
- Airfield Geometry Information/Data*
- Charted Product Data*
- Flight Procedure Data*
- Aircraft Position Data*
- Current and/or Historical Weather Data*
- Imagery*
- Land Use/Land Cover Data*
- Nautical Data*
- Powerline Data
- Military Products

**FAA, NGA, USGS and NOAA Have
Data Sources and Feeds for many
of these topics*