



FAA AUTOMATED AERONAUTICAL DATA FEEDS & NOTAMS

SLOWLY....STEADILY....TOGETHER



*Society of Aircraft Performance
and Operations Engineers*



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

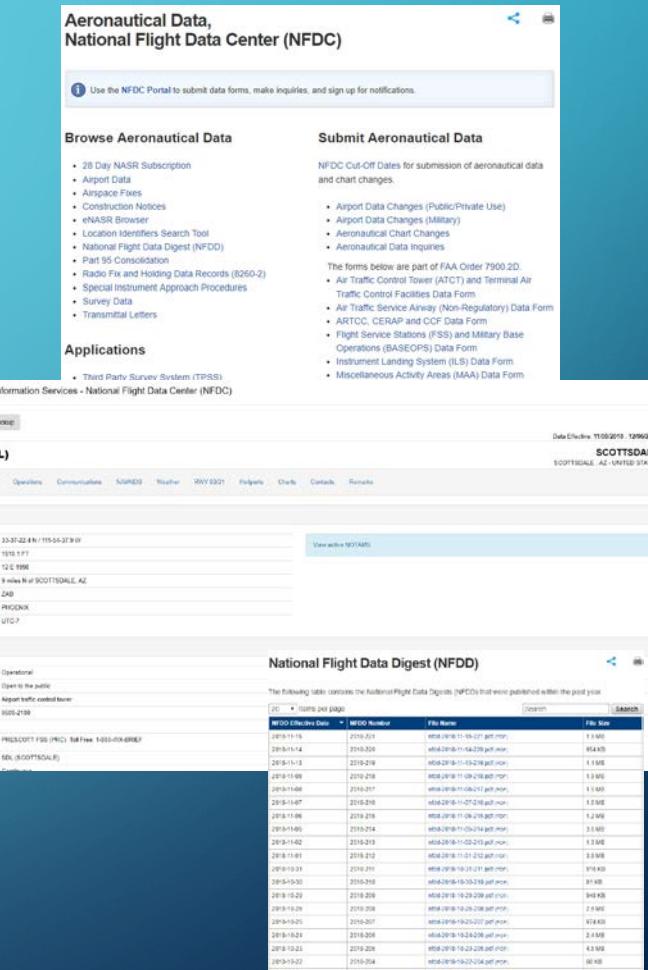
FUNDAMENTAL DATABASES, SUPPORTING DATABASES AND EMERGING DATA FEEDS

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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



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
- Aeronautical Notices
- 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.

- Air Traffic Control Tower (ATC) and Terminal Air Traffic Control Facilities Data Form
- Air Traffic Service Alray (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)

Latitude/Longitude: 33-37-22.4 N / 115-55-37.9 W

Elevation: 1935 ft

Location: 12 E 1998

From City: 9 miles N of SCOTTSDALE, AZ

ARTCC: ZAB

Section sheet: PHYS/NR

Time Zone: UTC-7

SDL (KSDL)

Summary | Operations | Communications | AIRMED | Weather | RWY 03/21 | Helpdesk | Charts | Details | Remarks

OPERATIONS

Airport Details | Operational

Facilities | Open to the public

Control Tower | Airport traffic control tower

Tower Hours: 0000-2100

AeronCap Hours: 0000-2100

FSS: PRINCIPAL FSS (PRC), Full Free, T-001/004982

407Flight Facility: 16N (SCOTTSDALE)

National Flight Data Digest (NFDD)

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

NFDD Effective Date	File ID	File Name	File Size
2018/11/18	2018-201	16N-2018-11-18-021.pdf.mzn	1.1 MB
2018/11/14	2018-200	16N-2018-11-14-020.pdf.mzn	854 KB
2018/11/13	2018-201	16N-2018-11-13-021.pdf.mzn	1.1 MB
2018/11/09	2018-201	16N-2018-11-09-020.pdf.mzn	1.1 MB
2018/11/08	2018-201	16N-2018-11-08-021.pdf.mzn	1.1 MB
2018/11/07	2018-201	16N-2018-11-07-021.pdf.mzn	1.1 MB
2018/11/06	2018-201	16N-2018-11-06-021.pdf.mzn	1.1 MB
2018/11/05	2018-201	16N-2018-11-05-021.pdf.mzn	1.1 MB
2018/11/04	2018-201	16N-2018-11-04-021.pdf.mzn	1.1 MB
2018/11/03	2018-201	16N-2018-11-03-021.pdf.mzn	1.1 MB
2018/11/30	2018-200	16N-2018-11-30-020.pdf.mzn	871 KB
2018/11/29	2018-200	16N-2018-11-29-020.pdf.mzn	844 KB
2018/11/28	2018-200	16N-2018-11-28-020.pdf.mzn	2.1 MB
2018/11/27	2018-201	16N-2018-11-27-021.pdf.mzn	874 KB
2018/11/26	2018-201	16N-2018-11-26-021.pdf.mzn	2.1 MB
2018/11/23	2018-201	16N-2018-11-23-021.pdf.mzn	4.3 MB
2018/11/22	2018-201	16N-2018-11-22-021.pdf.mzn	66 KB
2018/11/19	2018-201	16N-2018-11-19-021.pdf.mzn	1.1 MB

NASR Webportal/Website Access

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

eNASR

Airport Query

Total Results 1

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

eNASR

Airport SDL

Identification

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

Airport Status

General Remarks

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.

Off Cycle Update

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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 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

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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)

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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

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OTHER IMPORTANT FAA AERONAUTICAL DATABASES

Airport Master Record Database (5010)

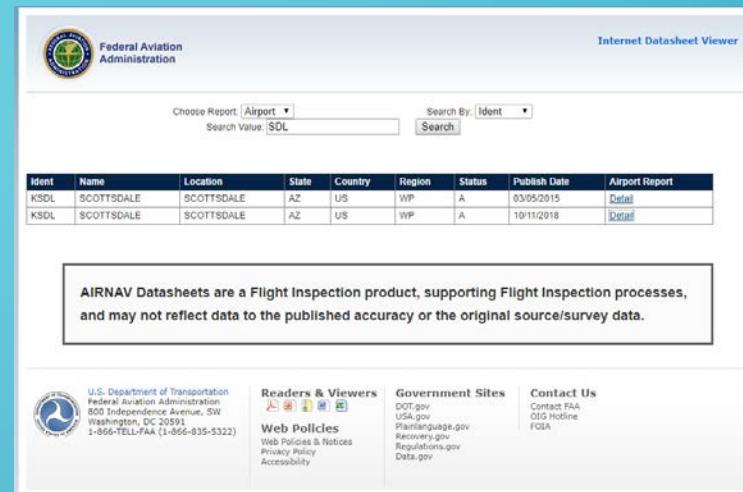
- Maintained by FAA ARP (Under Contract with GCR Associates)
- Minimum information necessary for US Airports to be included in aeronautical dissemination and charting publication
- <https://www.gcr1.com/5010web/>

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



Ident	Name	Location	State	Country	Region	Status	Publish Date	Airport Report
KSDL	SCOTTSDALE	SCOTTSDALE	AZ	US	WP	A	03/05/2015	Detail
KSDL	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)

Readers & Viewers
Web Policies
Web Policies & Notices
Privacy Policy
Accessibility

Government Sites
DOI.gov
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.																																																										
Developers: web services are available to access products and the underlying product data.			Dates of Latest Editions (DOLEs)																																																										
<p>Collapse all</p>																																																													
<h3>Chart Products</h3> <table border="1"> <thead> <tr> <th rowspan="2">Name</th> <th rowspan="2">Coverage Area</th> <th rowspan="2">Download Product</th> <th colspan="2">Web Services for the Developer Community</th> </tr> <tr> <th>Product API</th> <th>Data API</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/> IFR Charts</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Area Charts</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Digital Enroute Charts (DEC) complete set</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hawaii/Pacific</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> IFR Enroute High Alt</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Alaska</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Caribbean</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Conterminous US</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> IFR Enroute Low Alt</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Alaska</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					Name	Coverage Area	Download Product	Web Services for the Developer Community		Product API	Data API	<input checked="" type="checkbox"/> IFR Charts					Area Charts					Digital Enroute Charts (DEC) complete set					Hawaii/Pacific					<input checked="" type="checkbox"/> IFR Enroute High Alt					Alaska					Caribbean					Conterminous US					<input checked="" type="checkbox"/> IFR Enroute Low Alt					Alaska				
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Alaska																																																													

The screenshot shows the SwaggerHub interface with the following sections:

- Aeronautic Product Release API (APRA) - Read Only:**
 - Swagger: 2.0
 - Tags: APRA
 - Definitions: US VFR WALL PLANNING CHART, Coded Instrument Flight Procedures (CIFP), OCEANIC ROUTE CHARTS, DAILY DIGITAL OBSTACLE FILE (DOOF), NASR 28 DAY SUBSCRIPTION, SECTIONAL CHARTS.
 - Operations:
 - GET /vfr/wallplanning/chart
 - GET /vfr/wallplanning/info
 - GET /cifp/chart
 - GET /cifp/info
 - GET /ifr/oceanic/chart
 - GET /ifr/oceanic/info
 - GET /ddof/chart
 - GET /ddof/info
 - GET /nfdc/nasr/chart
 - GET /nfdc/nasr/info
 - GET /vfr/sectional/chart
- US VFR Wall Planning Chart:**
 - Operations:
 - GET /vfr/wallplanning/chart
 - GET /vfr/wallplanning/info
- Coded Instrument Flight Procedures (CIFP):**
 - Operations:
 - GET /cifp/chart
 - GET /cifp/info

FAA ADDS

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Mostly 56 Day Product Visualization

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

DOF (no DDOF)

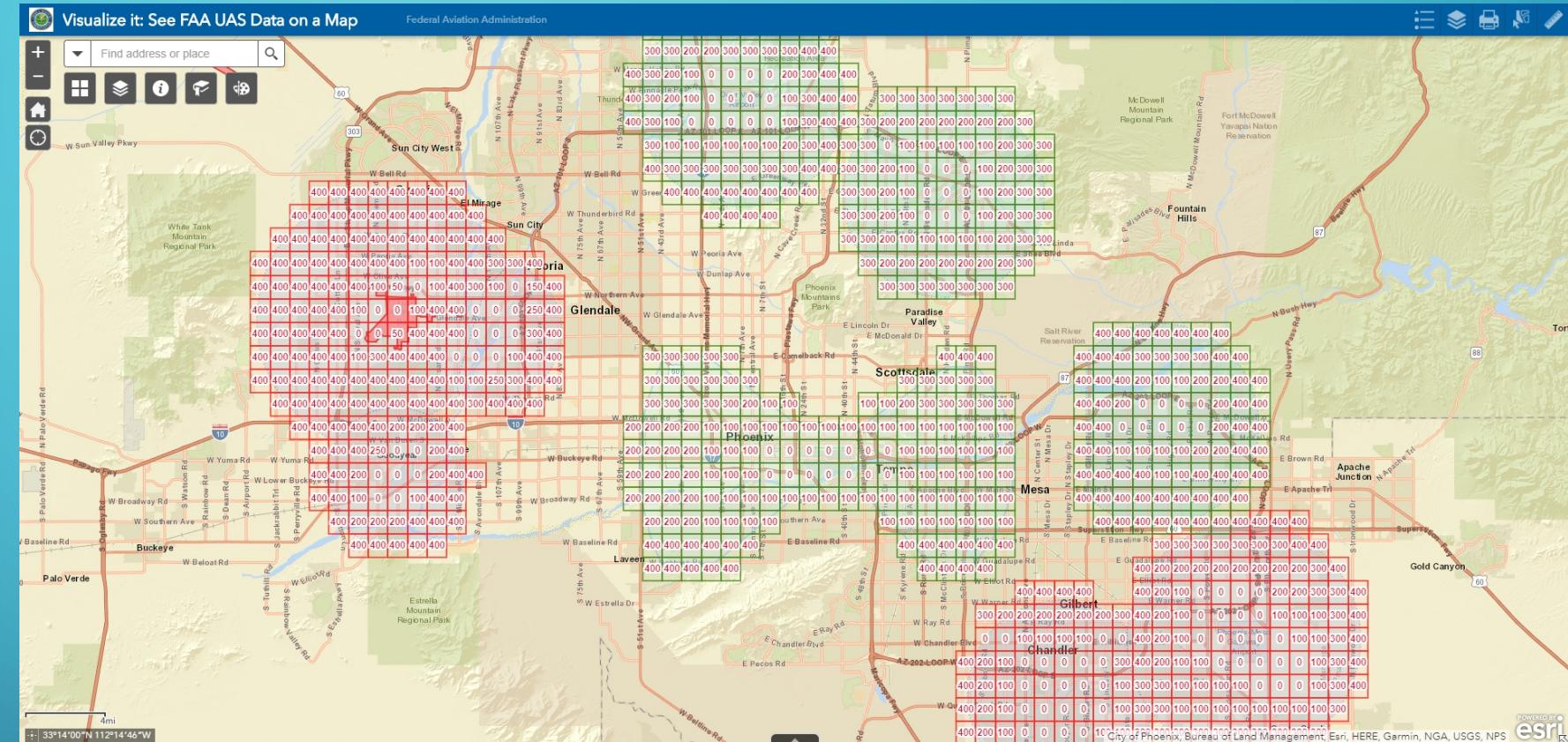
No Declared Distances

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FAA UAS ADDS

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Data products specifically for UAS operations

Some Airspace information is real time, or near real time

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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](mailto: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 	via NESG: Now Available R&D: Now Available FNTB: Now Available
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 	via NESG: Summer 2014 R&D: Summer 2014 FNTB: Now Available
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	via NESG: Not Yet Available R&D: Not Yet Available FNTB: Not Yet Available

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

UPDATE ON US OBSTACLE DATA

OAS, TPSS AND OTHER OBSTACLE DATABASES

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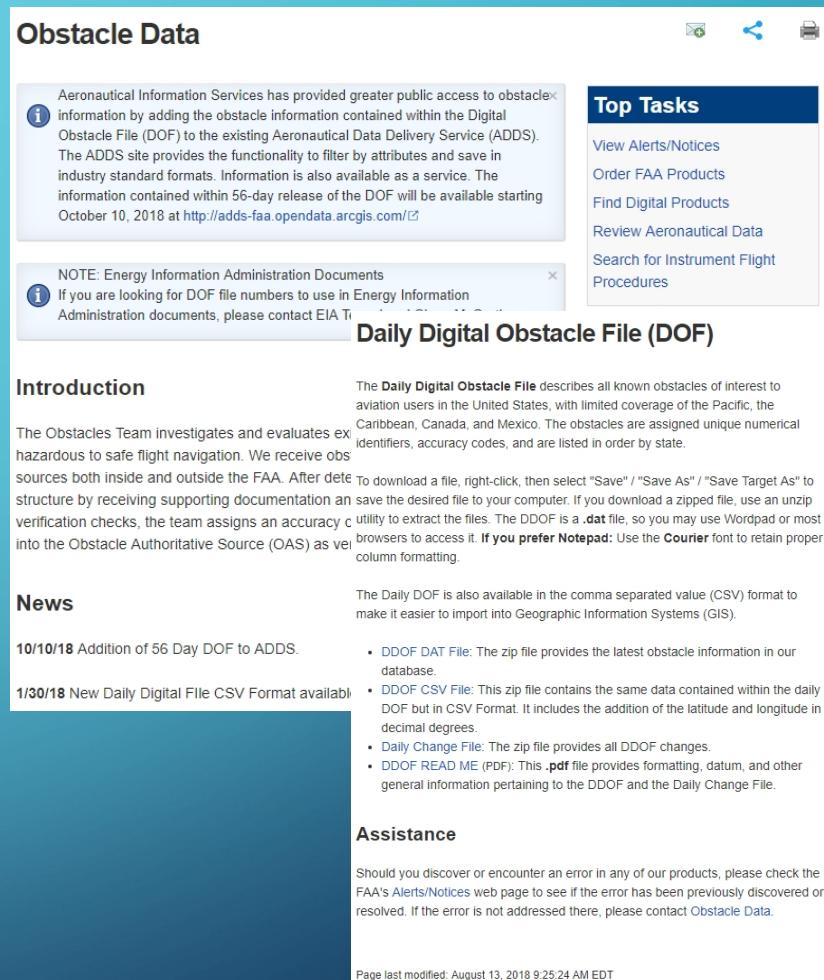
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FUNDAMENTAL FAA OBSTACLE DATABASE

OAS

Obstacle Authoritative Source (OAS)

DOF and DDOF Access



OAS INSIGHTS

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

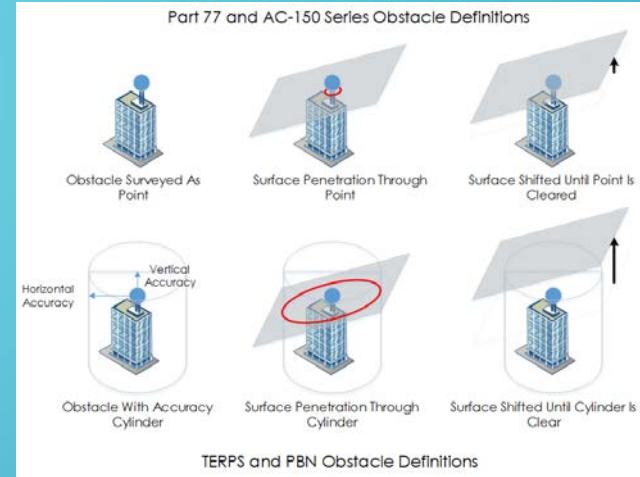
The database is essentially AIXM compliant, but the UI is not

- 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

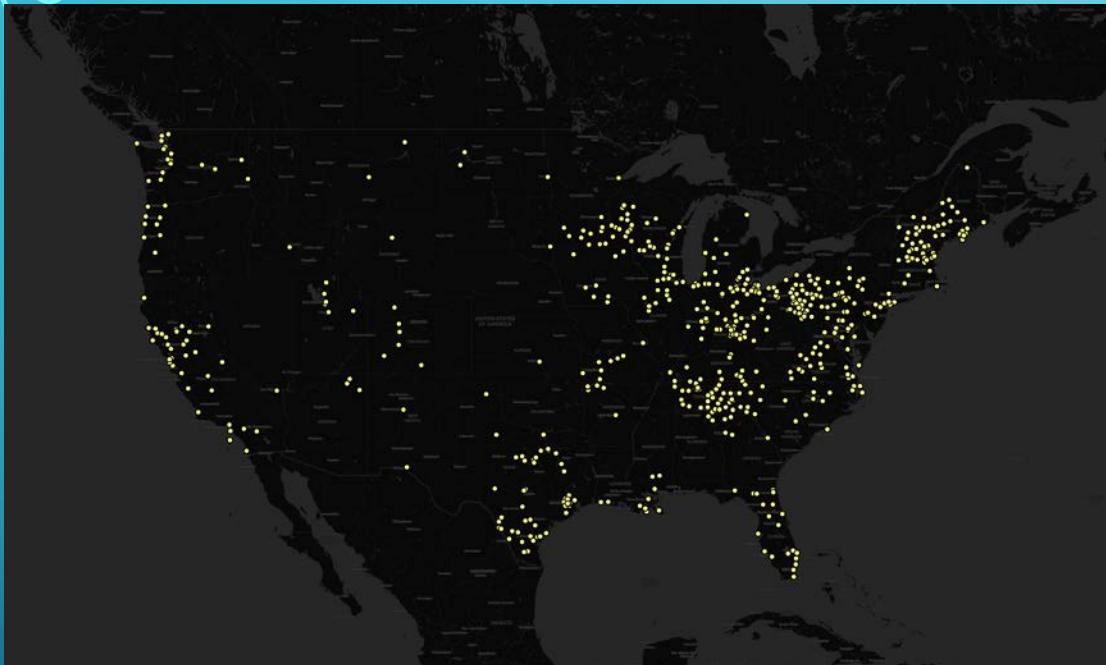
A significant chunk of work performed by the Obstacle Team is dedicated to responding to accuracy requests from flight procedures teams

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



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

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

survey type

	Date Uploaded	Survey ID	Airport ID	Airport	Survey Type
▲	2018-11-14	2018_JXN_SUPLC_6521	JXN	JACKSON COUNTY-REYNOLDS FIELD	SPC
▲	2018-11-13	2018_6M2_VGA_6520	6M2	HORSESHOE BEND	SPC
▲	2018-11-09	2018_GSP_VGA_6519	GSP	GREENVILLE SPARTANBURG INTL	SPC
▲	2018-11-07	2018_MCX_ANP_6518	MCX	WHITE COUNTY	SPC
▲	2018-11-07	2018_FCH_VGA_6517	FCH	FRESNO CHANDLER EXECUTIVE	SPC
▲	2018-11-02	2018_I95_VGA_6515	I95	HARDIN COUNTY	SPC
▲	2018-10-29	2018_PUB_VGA_6514	PUB	PUEBLO MEMORIAL	SPC
▲	2018-10-25	2018_SK2_ANP_6511	SK2	TRIBUNE MUNI	SPC
▲	2018-10-25	2018_CFY_SUPLC_6513	CEY	KYLE-OAKLEY FIELD	SPC
▲	2018-10-25	2018_SMO_SUPLC_6512	SMO	SANTA MONICA MUNI	SPC
▲	2018-10-23	2018_DWU_VGA_6510	DWU	ASHLAND RGNL	SPC
▲	2018-10-22	2018_HIO_VGA_6509	HIO	PORTLAND-HILLSBORO	SPC
▲	2018-10-17	2018_TKC_VGA_6508	TKC	TRACY MUNI	SPC
▲	2018-10-17	2018_9V8_VGA_6507	9V8	MARTIN MUNI	SPC
▲	2018-10-12	2018_KVC_VGA_6505	KVC	KING COVE	SPC
▲	2018-10-12	2018_HUT_SUPLC_6506	HUT	HUTCHINSON RGNL	SPC
▲	2018-10-09	2018_GRR_VGA_6504	GRR	GERALD R FORD INTL	SPC
▲	2018-10-05	2018_TMT_NVG_6502	TMT	AUSTIN	SPC
▲	2018-10-04	2018_SKF_VGA_6501	SKF	KELLY FLD	SPC

TPSS INSIGHTS

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

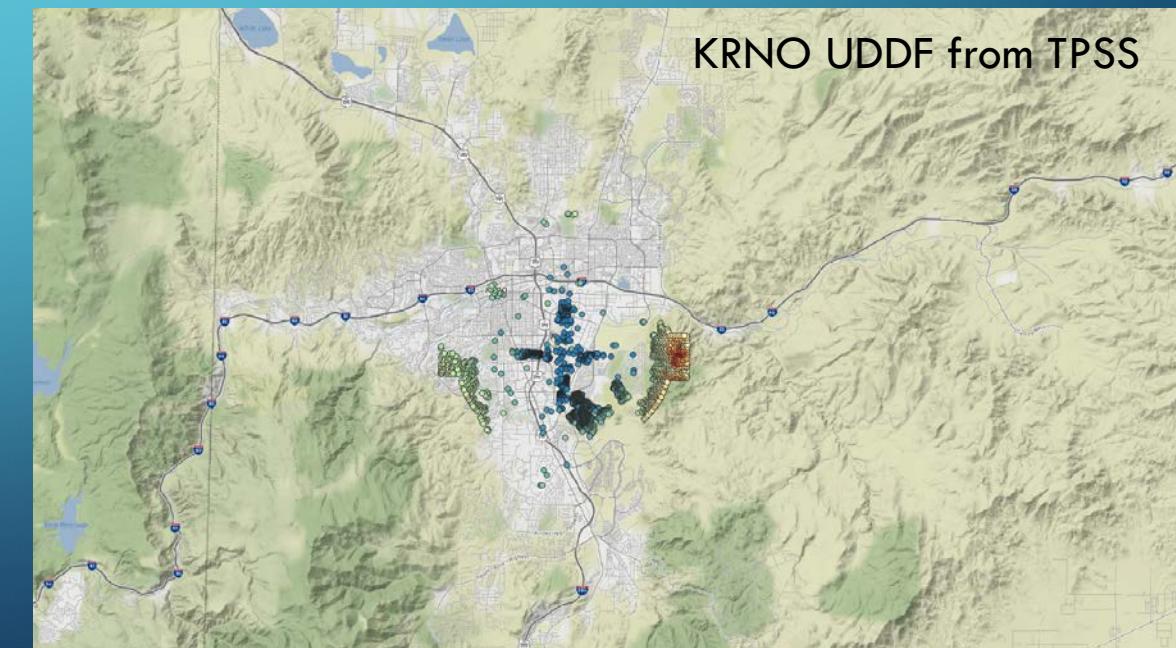
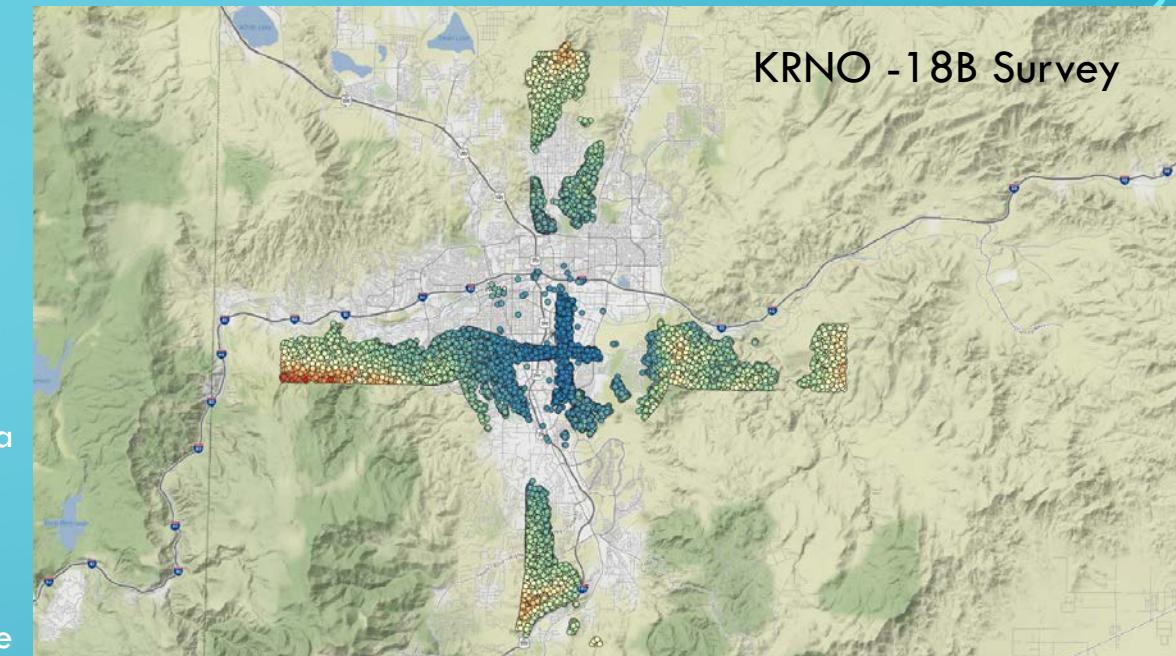
Precise runway profile points are no longer required to be reported in a UDDF

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>



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

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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

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SAPOE NEXT STEPS

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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*