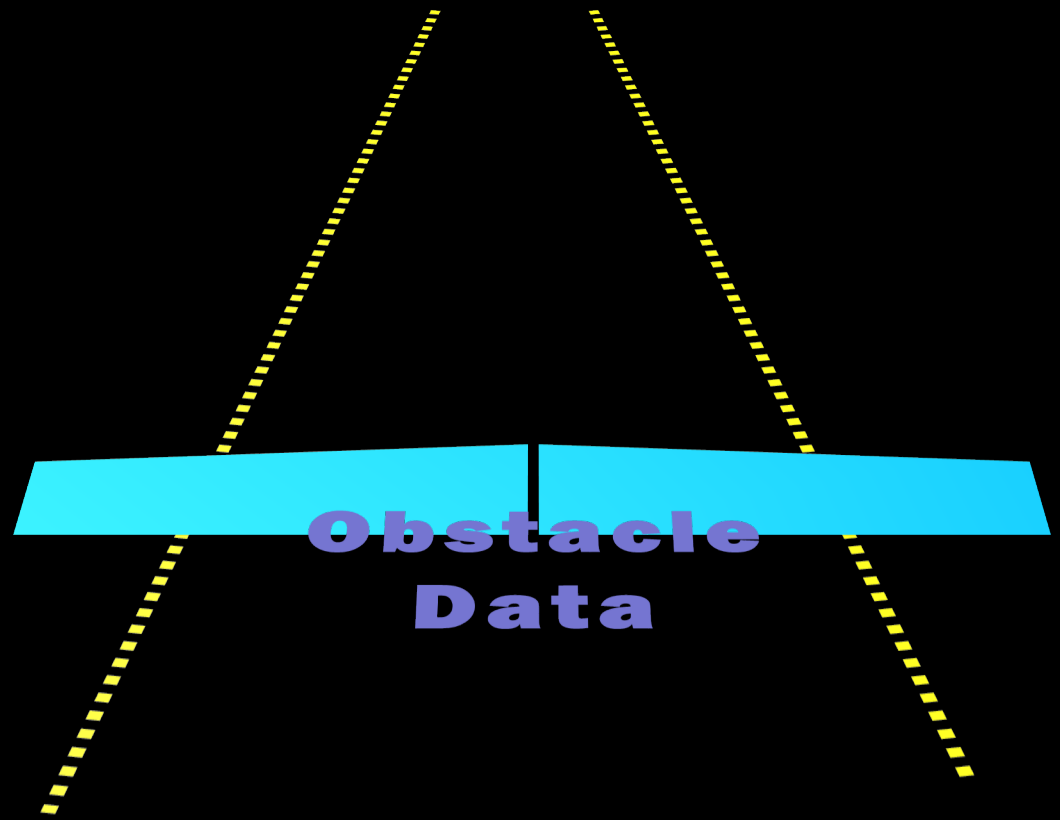
Presented By:

The Obstacle Data Team

xxx

xx/xx/xxxx


Obstacle
Data

AERONAUTICAL DATA TEAM

OBSTACLES TEAM

CRITERIA & AUTOMATION GUIDANCE TEAM

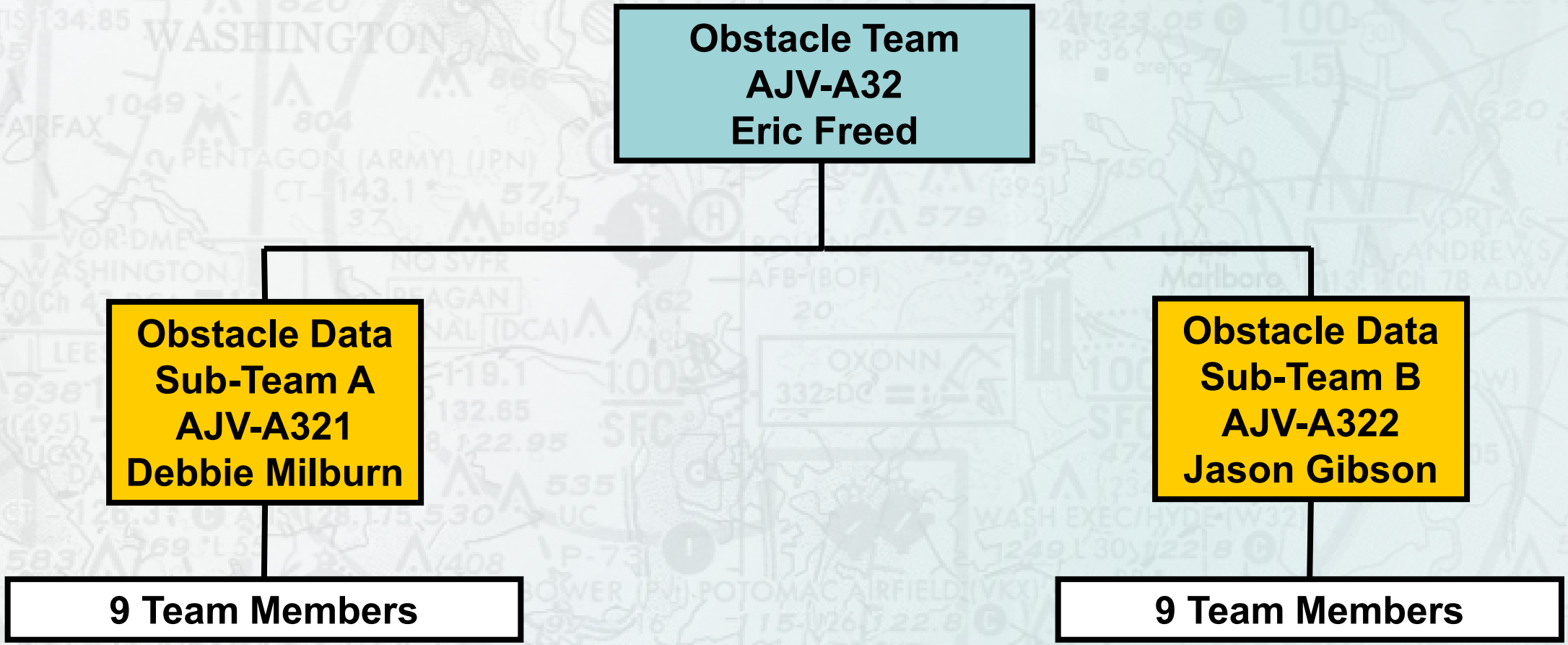
ORGANIZATIONAL GUIDANCE & PLANNING TEAM

DATA SYSTEMS TEAM

US NOTAM GOVERNANCE TEAM

US NOTAM OPERATIONS TEAM

AIG Organizational Structure



Aeronautical Data Team Organizational Chart

ODT Mission Statement

The Obstacles Team is dedicated to providing our stakeholders with accurate and timely obstacle data. Obstacle data is critical to the safety and efficiency of the National Airspace System. We actively evaluate our processes and invest in new technologies to make our data more accurate and accessible.

Obstacle Data Team responsibilities include:

- Analyze incoming obstacle candidates and confirm the validity of the source
- Receive and analyze obstacle data from a variety of internal FAA and external sources
- Determine proof of a completed structure by reviewing supporting documentation
- Perform verification checks of obstacle characteristics
- Assign an accuracy code to the obstacle based on source
- Enter the obstacle into the Obstacle Authoritative Source (OAS)

Responsibilities of the Obstacle Data Team

Obstacle Authoritative Source data includes:

- OE studies
- ORS data
- AIRNAV data
- ODIT data
- Airport Surveys
- Stereo-photography
- Older NGS OG Surveys
- and much more!

Roles of Specialists – ODT Workflow Process

Maintenance of Obstacle Data

Maintenance of Obstacle Data

Obstacle Data arrives from a variety of originators:

OE/AAA Incoming Candidates

from OEG, after Obstacle Evaluation processes

Runway Airspace Maintenance Tool (RAM)

from Office of Airports program office, RAM Mitigations performed by Airport Managers & sent to ODT for updating the OAS

Aeronautical Portal Inquiries, including Light Outage Reports

investigations per request from various stakeholders

Airport Survey Ingested Data

Airport Surveys loaded automatically through UDDF loader, no ODT input

Deliverables

Deliverables

The Obstacle Data Team is responsible for maintaining vertical obstacle data in the Obstacle Authoritative Source (OAS). A variety of deliverables extracted from the OAS are available on FAA's public website, including the:

Digital Obstacle File (DOF)

Daily Digital Obstacle File (DDOF)

Weekly Construction Notices

Deliverables

Obstacle Data Team deliverables in detail:

Digital Obstacle File (DOF)

This database contains all known man-made obstructions that penetrate Title 14 of the Code of Federal Regulations (CFR) Part 77 within the U.S. and its territories. It also contains known obstacles within the Caribbean, Mexico, Canada and the Pacific. It is prepared and posted on this website *every 56 days* and it includes the latitude and longitude, structure type, height above ground, height above sea level, lighting, marking, accuracy code, and other associated information.

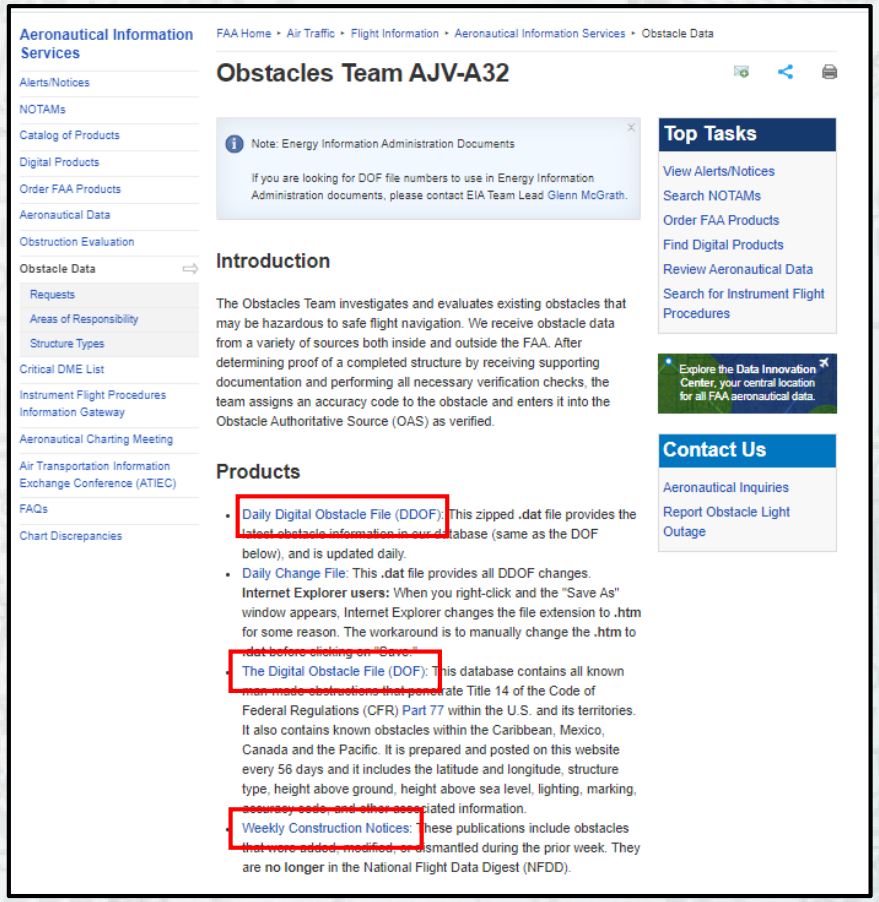
Obstacle Data Team deliverables in detail:

Obstacle Authoritative Source/Digital Obstacle File (DOF)

The OAS is the authoritative FAA database that contains obstacle data reported to the FAA from a variety of sources.

The DOF is a publicly available subset of the OAS data that contains obstacle data processed only by the ODT.

The Digital Obstacle File is prepared and posted to FAA's public website every 56 days



Aeronautical Information Services

- Alerts/Notices
- NOTAMs
- Catalog of Products
- Digital Products
- Order FAA Products
- Aeronautical Data
- Obstruction Evaluation
- Obstacle Data
  - Requests
  - Areas of Responsibility
  - Structure Types
- Critical DME List
- Instrument Flight Procedures Information Gateway
- Aeronautical Charting Meeting
- Air Transportation Information Exchange Conference (ATIEC)
- FAQs
- Chart Discrepancies

FAA Home ▸ Air Traffic ▸ Flight Information ▸ Aeronautical Information Services ▸ Obstacle Data

Obstacles Team AJV-A32

Note: Energy Information Administration Documents

If you are looking for DOF file numbers to use in Energy Information Administration documents, please contact EIA Team Lead Glenn McGrath.

Introduction

The Obstacles Team investigates and evaluates existing obstacles that may be hazardous to safe flight navigation. We receive obstacle data from a variety of sources both inside and outside the FAA. After determining proof of a completed structure by receiving supporting documentation and performing all necessary verification checks, the team assigns an accuracy code to the obstacle and enters it into the Obstacle Authoritative Source (OAS) as verified.

Products

- Daily Digital Obstacle File (DDOF): This zipped **.dat** file provides the latest obstacle information in our database (same as the DOF below), and is updated daily.
- Daily Change File: This **.dat** file provides all DDOF changes. **Internet Explorer users:** When you right-click and the "Save As" window appears, Internet Explorer changes the file extension to **.htm** for some reason. The workaround is to manually change the **.htm** to **.dat** before clicking on "Save."
- The Digital Obstacle File (DOF): This database contains all known man-made obstructions that penetrate Title 14 of the Code of Federal Regulations (CFR) Part 77 within the U.S. and its territories. It also contains known obstacles within the Caribbean, Mexico, Canada and the Pacific. It is prepared and posted on this website every 56 days and it includes the latitude and longitude, structure type, height above ground, height above sea level, lighting, marking, accuracy code, and other associated information.
- Weekly Construction Notices: These publications include obstacles that were added, modified, or dismantled during the prior week. They are **no longer** in the National Flight Data Digest (NFDD).

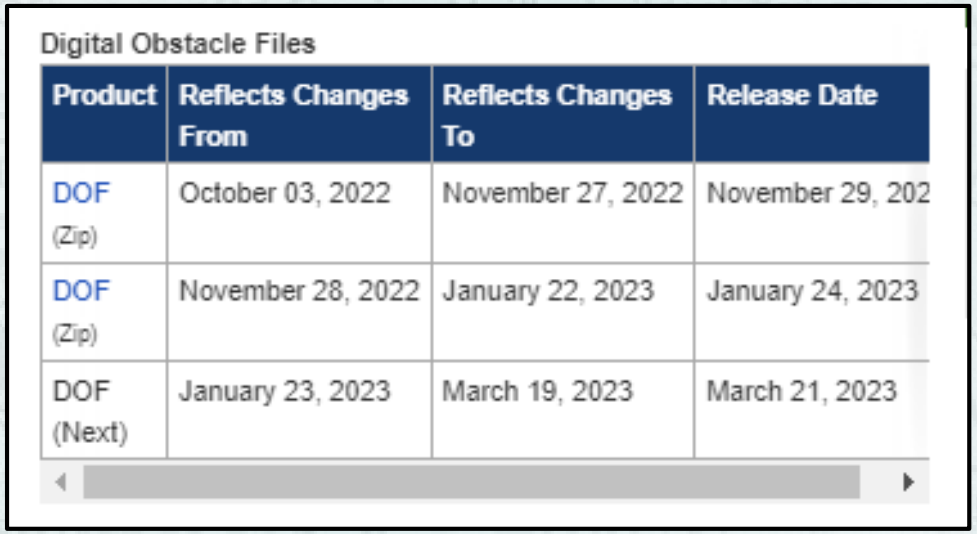
Top Tasks

- View Alerts/Notices
- Search NOTAMs
- Order FAA Products
- Find Digital Products
- Review Aeronautical Data
- Search for Instrument Flight Procedures

Explore the Data Innovation Center, your central location for all FAA aeronautical data.

Contact Us

- Aeronautical Inquiries
- Report Obstacle Light Outage



Digital Obstacle Files

Product	Reflects Changes From	Reflects Changes To	Release Date
DOF (Zip)	October 03, 2022	November 27, 2022	November 29, 202
DOF (Zip)	November 28, 2022	January 22, 2023	January 24, 2023
DOF (Next)	January 23, 2023	March 19, 2023	March 21, 2023

Digital Obstacle File (DOF)

Digital Obstacle File (DOF)

Name	Size	Type	Modified	Attributes	Folder
01-AL.Dat	1,122 KB	DAT File	9/6/2021 5:00 AM		
02-AK.Dat	604 KB	DAT File	9/6/2021 5:00 AM		
04-AZ.Dat	1,003 KB	DAT File	9/6/2021 5:00 AM		
05-AR.Dat	1,354 KB	DAT File	9/6/2021 5:00 AM		
06-CA.Dat	4,850 KB	DAT File	9/6/2021 5:00 AM		
08-CO.Dat	1,223 KB	DAT File	9/6/2021 5:00 AM		
09-CT.Dat	385 KB	DAT File	9/6/2021 5:00 AM		
10-DE.Dat	133 KB	DAT File	9/6/2021 5:00 AM		
11-DC.Dat	29 KB	DAT File	9/6/2021 5:00 AM		
12-FL.Dat	3,432 KB	DAT File	9/6/2021 5:00 AM		
13-GA.Dat	1,258 KB	DAT File	9/6/2021 5:00 AM		
15-HI.Dat	179 KB	DAT File	9/6/2021 5:00 AM		
16-ID.Dat	418 KB	DAT File	9/6/2021 5:00 AM		
17-IL.Dat	2,629 KB	DAT File	9/6/2021 5:00 AM		
18-IN.Dat	1,632 KB	DAT File	9/6/2021 5:00 AM		
19-IA.Dat	2,048 KB	DAT File	9/6/2021 5:00 AM		
20-KS.Dat	2,688 KB	DAT File	9/6/2021 5:00 AM		
21-KY.Dat	863 KB	DAT File	9/6/2021 5:00 AM		
22-LA.Dat	915 KB	DAT File	9/6/2021 5:00 AM		

Digital Obstacle File (DOF)

Obstacle Data Team deliverables in detail:

Daily Digital Obstacle File (DDOF)

This zipped .dat file provides the latest obstacle information in our database (similar to the DOF), and is *updated daily*.

Daily Digital Obstacle File (DDOF)

Daily DOF Change File for Dec-14-2021

ACTION	OAS#	V S	CT	ST	CITY	LATITUDE DEG MIN SEC	LONGITUDE DEG MIN SEC	OBSTACLE TYPE	AGL HT	AMSL HT	LT H	ACC V	MAR IND	FAA STUDY	JDATE
OLD	01-000973	O	US	AL	BIRMINGHAM	33 27 37.00N	086 51 07.00W	TOWER	1 00709	01649	R	5	E M	1988ASO01942OE	C2014138
NEW	01-000973	O	US	AL	BIRMINGHAM	33 27 37.80N	086 51 05.60W	TOWER	1 00709	01648	R	4	D P	2021ASO21020OE	C2021348
OLD	01-001860	O	US	AL	VANDIVER	33 28 24.30N	086 34 38.55W	TOWER	1 00270	01000	D	2	C N	2003ASO02048OE	C2005219
NEW	01-001860	O	US	AL	LEEDS	33 28 24.30N	086 34 38.55W	TOWER	1 00270	01000	D	2	C N	2021ASO30373OE	C2021348
ADD	02-312990	O	US	AK	PALMER	61 32 40.99N	149 02 45.21W	TOWER	1 00107	00208	N	1	A N	2021AAL00021OE	A2021348
ADD	06-241409	U	US	CA	MOJAVE	35 01 25.34N	118 11 42.49W	T-L TWR	1 00120	02925	N	4	D N	2020AWP09826OE	A2021348
ADD	06-241410	U	US	CA	MOJAVE	35 01 25.49N	118 11 31.16W	T-L TWR	1 00125	02915	N	4	D N	2020AWP09827OE	A2021348
ADD	06-241420	U	US	CA	MOJAVE	35 01 25.04N	118 12 05.13W	T-L TWR	1 00120	02960	N	4	D N	2020AWP09824OE	A2021348
ADD	06-241421	U	US	CA	MOJAVE	35 01 25.19N	118 11 53.81W	T-L TWR	1 00125	02947	N	4	D N	2020AWP09825OE	A2021348
ADD	06-241422	U	US	CA	MOJAVE	35 01 25.72N	118 11 19.51W	T-L TWR	1 00125	02901	N	4	D N	2020AWP13215OE	A2021348
ADD	06-241423	U	US	CA	MOJAVE	35 01 25.90N	118 11 09.94W	T-L TWR	1 00116	02880	N	4	D N	2020AWP13216OE	A2021348
ADD	06-241424	U	US	CA	MOJAVE	35 01 29.53N	118 11 09.97W	T-L TWR	1 00141	02904	N	4	D N	2020AWP09830OE	A2021348
ADD	06-241425	U	US	CA	MOJAVE	35 01 29.50N	118 11 07.22W	T-L TWR	1 00141	02900	N	4	D N	2020AWP09831OE	A2021348
ADD	06-241426	U	US	CA	MOJAVE	35 01 28.38N	118 11 02.29W	T-L TWR	1 00131	02884	N	4	D N	2020AWP09832OE	A2021348
ADD	06-241427	U	US	CA	MOJAVE	35 01 28.57N	118 10 53.18W	T-L TWR	1 00115	02856	N	4	D N	2020AWP09833OE	A2021348
ADD	06-241428	U	US	CA	MOJAVE	35 01 28.77N	118 10 43.17W	T-L TWR	1 00120	02850	N	4	D N	2020AWP09834OE	A2021348
ADD	06-241429	U	US	CA	MOJAVE	35 01 28.99N	118 10 32.65W	T-L TWR	1 00120	02838	N	4	D N	2020AWP09835OE	A2021348
ADD	06-241430	U	US	CA	MOJAVE	35 01 29.19N	118 10 22.77W	T-L TWR	1 00115	02822	N	4	D N	2020AWP09836OE	A2021348
ADD	06-241436	U	US	CA	MOJAVE	35 01 28.35N	118 09 33.25W	T-L TWR	1 00115	02782	N	4	D N	2020AWP09842OE	A2021348
ADD	06-241437	U	US	CA	MOJAVE	35 01 28.55N	118 09 23.91W	T-L TWR	1 00110	02772	N	4	D N	2020AWP13217OE	A2021348
ADD	06-241443	U	US	CA	MOJAVE	35 01 29.53N	118 09 01.22W	T-L TWR	1 00111	02767	N	4	D N	2020AWP09850OE	A2021348
ADD	06-241444	U	US	CA	MOJAVE	35 01 29.51N	118 08 59.17W	T-L TWR	1 00111	02766	N	4	D N	2020AWP09851OE	A2021348

Daily Digital Obstacle File (DDOF)

Obstacle Data Team deliverables in detail:

Weekly Construction Notices

These publications include obstacles that were added, modified, or dismantled during the prior week. They are no longer in the National Flight Data Digest (NFDD).

CONSTRUCTION NOTICES

PAGE 1

07-Nov-2021

STATE	CITY	LATITUDE	LONGITUDE	TYPE	MARKED	LIGHTED	AGL	AMSL	FAA STUDY NUMBER	OAS#	STATUS	ACTION
CA/	EDMONTON, CN	53-32-15.00N	113-30-15.32W	BLDG	1 N	N	309	2503		CA-028850	V	ADDED
CA/	GLASLYN, CN	53-35-33.42N	108-35-17.06W	TOWER	1 N	L	351	2542		CA-028851	V	ADDED
CA/	HALIFAX COUNTY, CN	44-58-08.89N	062-39-50.40W	TOWER	1 N	L	338	801		CA-026973	V	MODIFIED
CA/	LE DOMAINE, CN	47-04-12.27N	076-32-33.96W	TOWER	1 P	L	410	1841		CA-028855	V	ADDED
CA/	LIVELONG, CN	51-59-50.10N	103-23-27.90W	TOWER	1 N	L	351	2330		CA-028852	V	ADDED
CA/	LONGBOW LAKE, CN	49-43-39.48N	094-20-42.94W	TOWER	1 P	L	341	1555		CA-028848	V	ADDED
CA/	MARTINS BROOK, CN	44-24-38.16N	064-23-30.12W	TOWER	1 N	N	300	585		CA-005103	V	MODIFIED
CA/	PROVOST, CN	52-20-47.13N	110-17-32.44W	T-L TWR	1 N	N	87	2229		CA-028560	V	DISMANTLED
CA/	PROVOST, CN	52-20-47.73N	110-17-33.39W	T-L TWR	1 N	N	87	2238		CA-028561	V	DISMANTLED
CA/	PROVOST, CN	52-20-48.85N	110-17-34.97W	T-L TWR	1 N	N	87	2238		CA-028562	V	DISMANTLED
CA/	PROVOST, CN	52-20-52.71N	110-17-34.97W	T-L TWR	1 N	N	87	2248		CA-028563	V	MODIFIED
CA/	PROVOST, CN	52-20-57.74N	110-17-34.97W	T-L TWR	1 N	N	87	2263		CA-028564	V	DISMANTLED
CA/	PROVOST, CN	52-21-03.04N	110-17-34.98W	T-L TWR	1 N	N	87	2270		CA-028565	V	DISMANTLED
CA/	PROVOST, CN	52-21-08.30N	110-17-35.02W	T-L TWR	1 N	N	87	2271		CA-028566	V	DISMANTLED
CA/	PROVOST, CN	52-21-13.36N	110-17-34.97W	T-L TWR	1 N	N	87	2276		CA-028567	V	DISMANTLED
CA/	PROVOST, CN	52-21-17.99N	110-17-34.77W	T-L TWR	1 N	N	87	2283		CA-028568	V	DISMANTLED
CA/	PROVOST, CN	52-21-22.16N	110-17-34.75W	T-L TWR	1 N	N	87	2278		CA-028569	V	DISMANTLED
CA/	PROVOST, CN	52-21-26.62N	110-17-34.72W	T-L TWR	1 N	N	87	2272		CA-028570	V	DISMANTLED
CA/	PROVOST, CN	52-21-31.03N	110-17-34.73W	T-L TWR	1 N	N	87	2268		CA-028571	V	DISMANTLED
CA/	PROVOST, CN	52-21-35.53N	110-17-34.73W	T-L TWR	1 N	N	87	2271		CA-028572	V	DISMANTLED

LEGEND

Construction Notices

Weekly Construction Notices

Stakeholders

Stakeholders

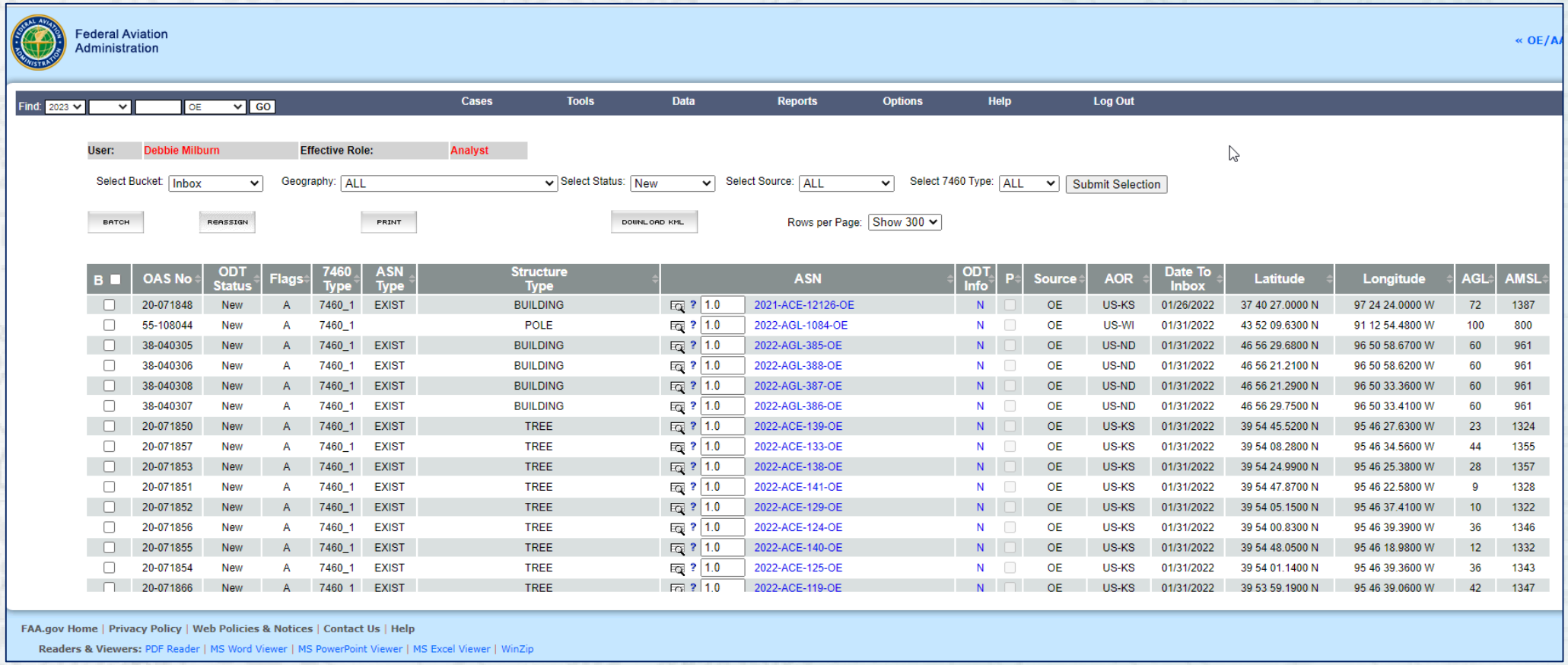
There are a wide variety of internal-FAA and external-FAA stakeholders. Some of the known users of obstacle data include:

- Aeronautical Charting & Mapping
- ATCTs
- TRACONs
- ARTCCs
- Air Traffic Control System Command Center
- Flight Service Stations
- DOD
- DHS
- Private Chart Producers
- Airports
- Pilots
- Flight Management Systems
- Global Positioning Systems
- Onboard Cockpit Displays
- Moving Maps
- Data Link Systems

Tools & Software Platforms

Tools & Software Platforms

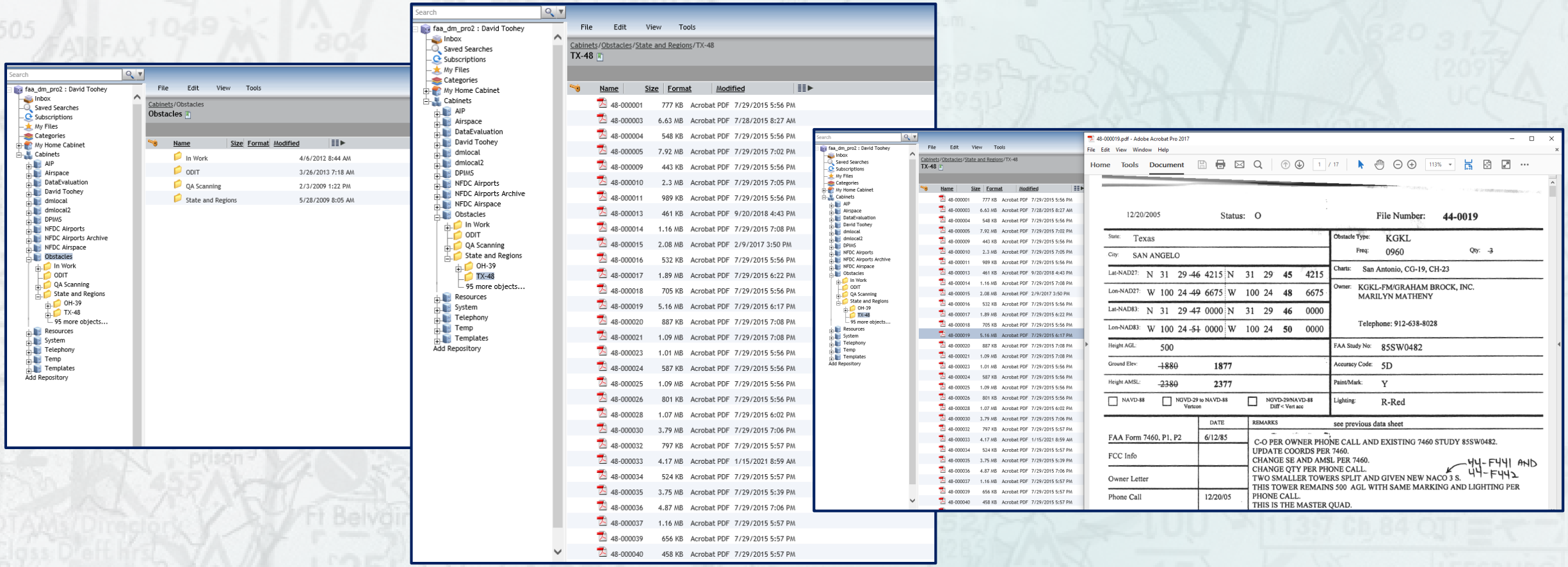
Obstacle Evaluation/Airport Airspace Analysis (OE/AAA)



B	OAS No	ODT Status	Flags	7460 Type	ASN Type	Structure Type	ASN	ODT Info	P	Source	AOR	Date To Inbox	Latitude	Longitude	AGL	AMSL
☐	20-071848	New	A	7460_1	EXIST	BUILDING	1.0 2021-ACE-12126-OE	N	☐	OE	US-KS	01/26/2022	37 40 27.0000 N	97 24 24.0000 W	72	1387
☐	55-108044	New	A	7460_1		POLE	1.0 2022-AGL-1084-OE	N	☐	OE	US-WI	01/31/2022	43 52 09.6300 N	91 12 54.4800 W	100	800
☐	38-040305	New	A	7460_1	EXIST	BUILDING	1.0 2022-AGL-385-OE	N	☐	OE	US-ND	01/31/2022	46 56 29.6800 N	96 50 58.6700 W	60	961
☐	38-040306	New	A	7460_1	EXIST	BUILDING	1.0 2022-AGL-388-OE	N	☐	OE	US-ND	01/31/2022	46 56 21.2100 N	96 50 58.6200 W	60	961
☐	38-040308	New	A	7460_1	EXIST	BUILDING	1.0 2022-AGL-387-OE	N	☐	OE	US-ND	01/31/2022	46 56 21.2900 N	96 50 33.3600 W	60	961
☐	38-040307	New	A	7460_1	EXIST	BUILDING	1.0 2022-AGL-386-OE	N	☐	OE	US-ND	01/31/2022	46 56 29.7500 N	96 50 33.4100 W	60	961
☐	20-071850	New	A	7460_1	EXIST	TREE	1.0 2022-ACE-139-OE	N	☐	OE	US-KS	01/31/2022	39 54 45.5200 N	95 46 27.6300 W	23	1324
☐	20-071857	New	A	7460_1	EXIST	TREE	1.0 2022-ACE-133-OE	N	☐	OE	US-KS	01/31/2022	39 54 08.2800 N	95 46 34.5600 W	44	1355
☐	20-071853	New	A	7460_1	EXIST	TREE	1.0 2022-ACE-138-OE	N	☐	OE	US-KS	01/31/2022	39 54 24.9900 N	95 46 25.3800 W	28	1357
☐	20-071851	New	A	7460_1	EXIST	TREE	1.0 2022-ACE-141-OE	N	☐	OE	US-KS	01/31/2022	39 54 47.8700 N	95 46 22.5800 W	9	1328
☐	20-071852	New	A	7460_1	EXIST	TREE	1.0 2022-ACE-129-OE	N	☐	OE	US-KS	01/31/2022	39 54 05.1500 N	95 46 37.4100 W	10	1322
☐	20-071856	New	A	7460_1	EXIST	TREE	1.0 2022-ACE-124-OE	N	☐	OE	US-KS	01/31/2022	39 54 00.8300 N	95 46 39.3900 W	36	1346
☐	20-071855	New	A	7460_1	EXIST	TREE	1.0 2022-ACE-140-OE	N	☐	OE	US-KS	01/31/2022	39 54 48.0500 N	95 46 18.9800 W	12	1332
☐	20-071854	New	A	7460_1	EXIST	TREE	1.0 2022-ACE-125-OE	N	☐	OE	US-KS	01/31/2022	39 54 01.1400 N	95 46 39.3600 W	36	1343
☐	20-071866	New	A	7460_1	EXIST	TREE	1.0 2022-ACE-119-OE	N	☐	OE	US-KS	01/31/2022	39 53 59.1900 N	95 46 39.0600 W	42	1347

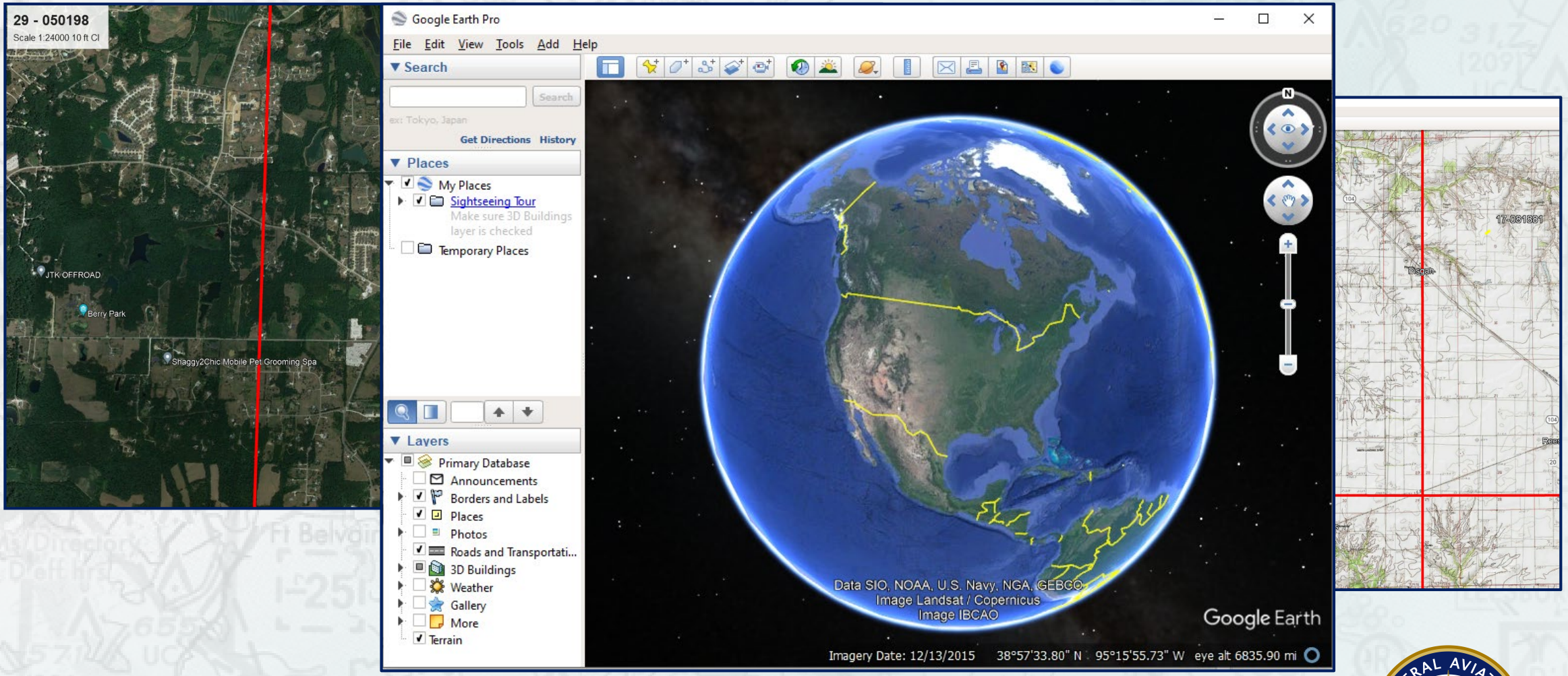
Tools and Software Platforms

Documentum/Alfresco



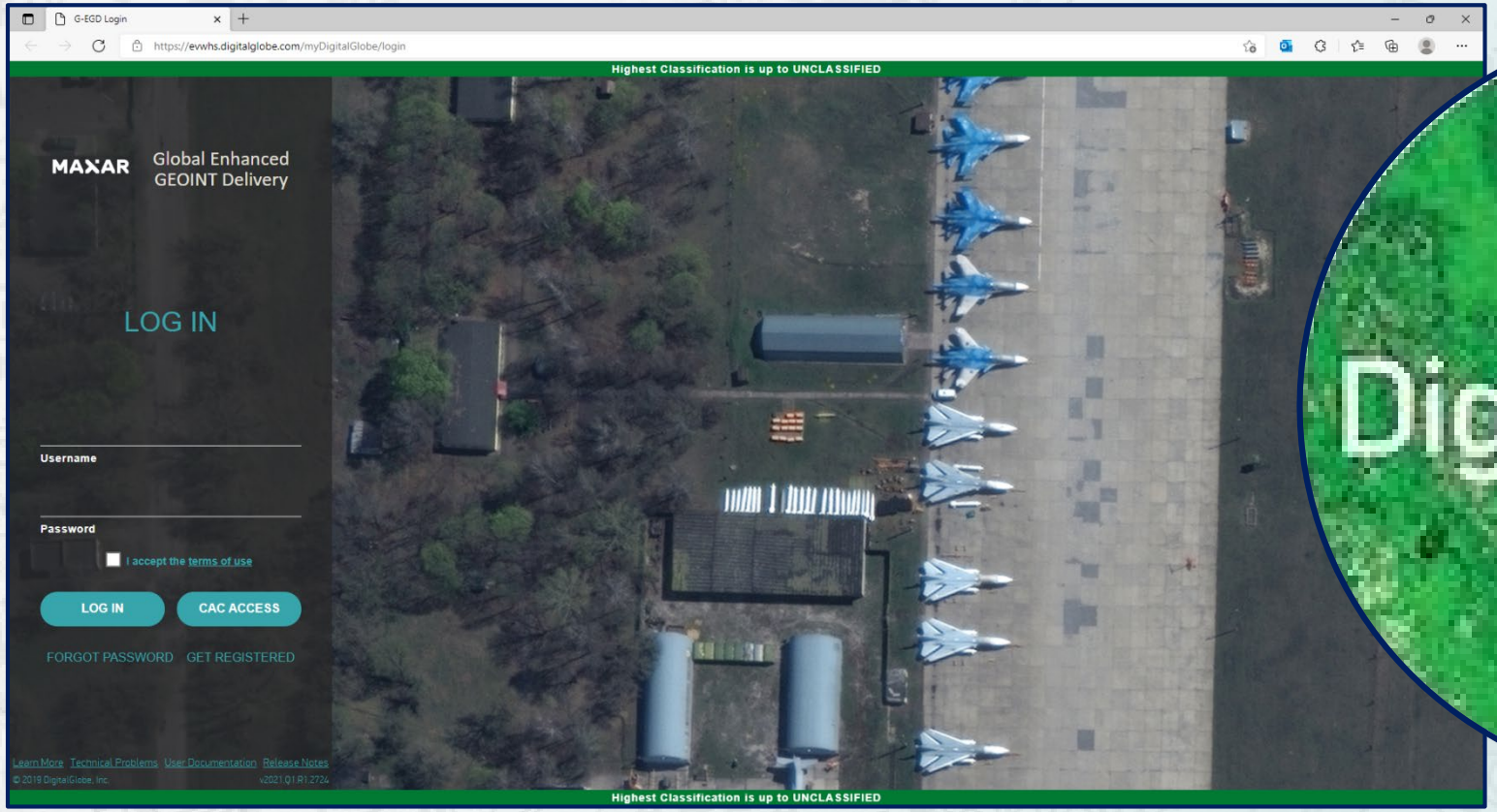
Tools and Software Platforms

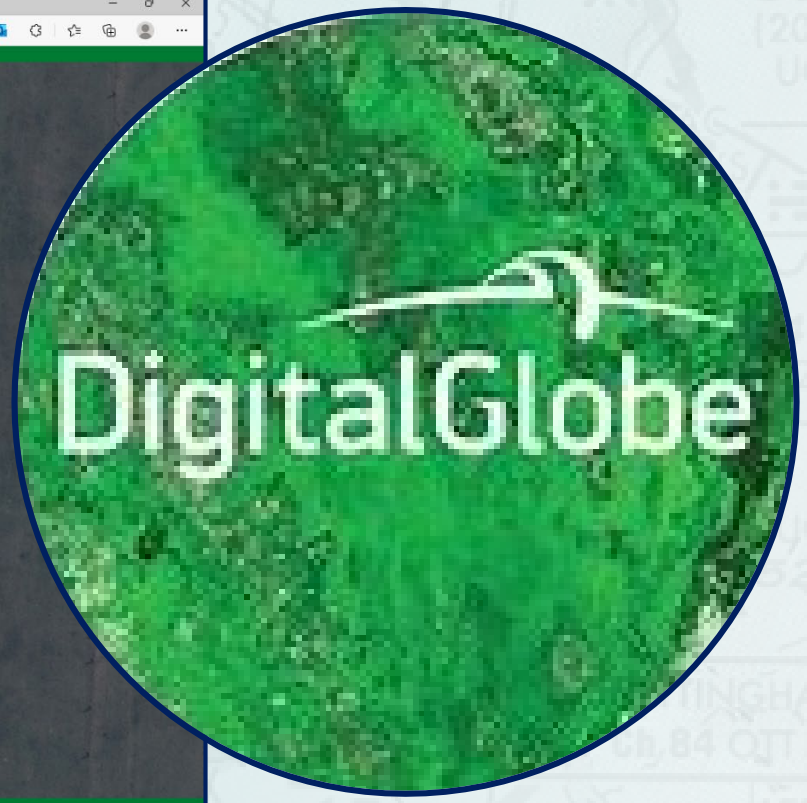
Google Earth Pro



Tools and Software Platforms

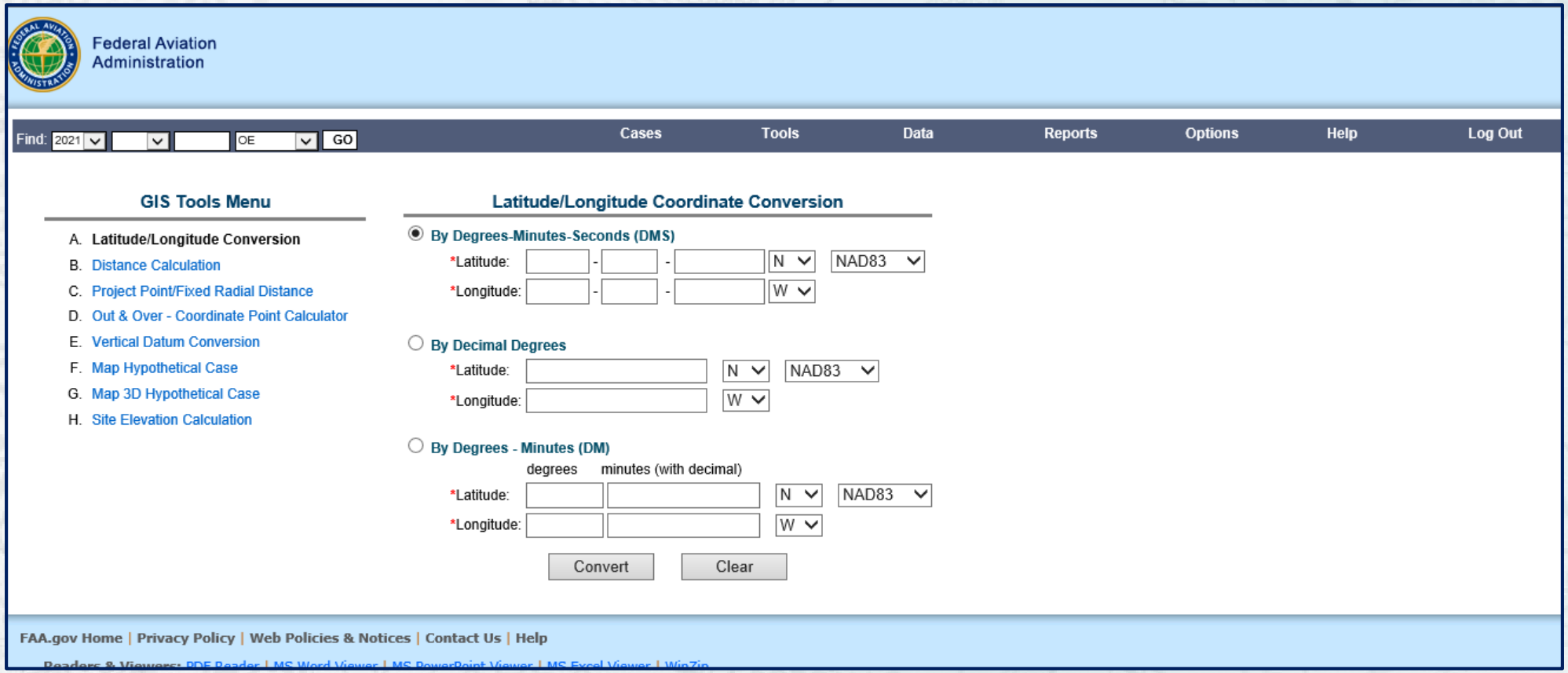
Digital Globe





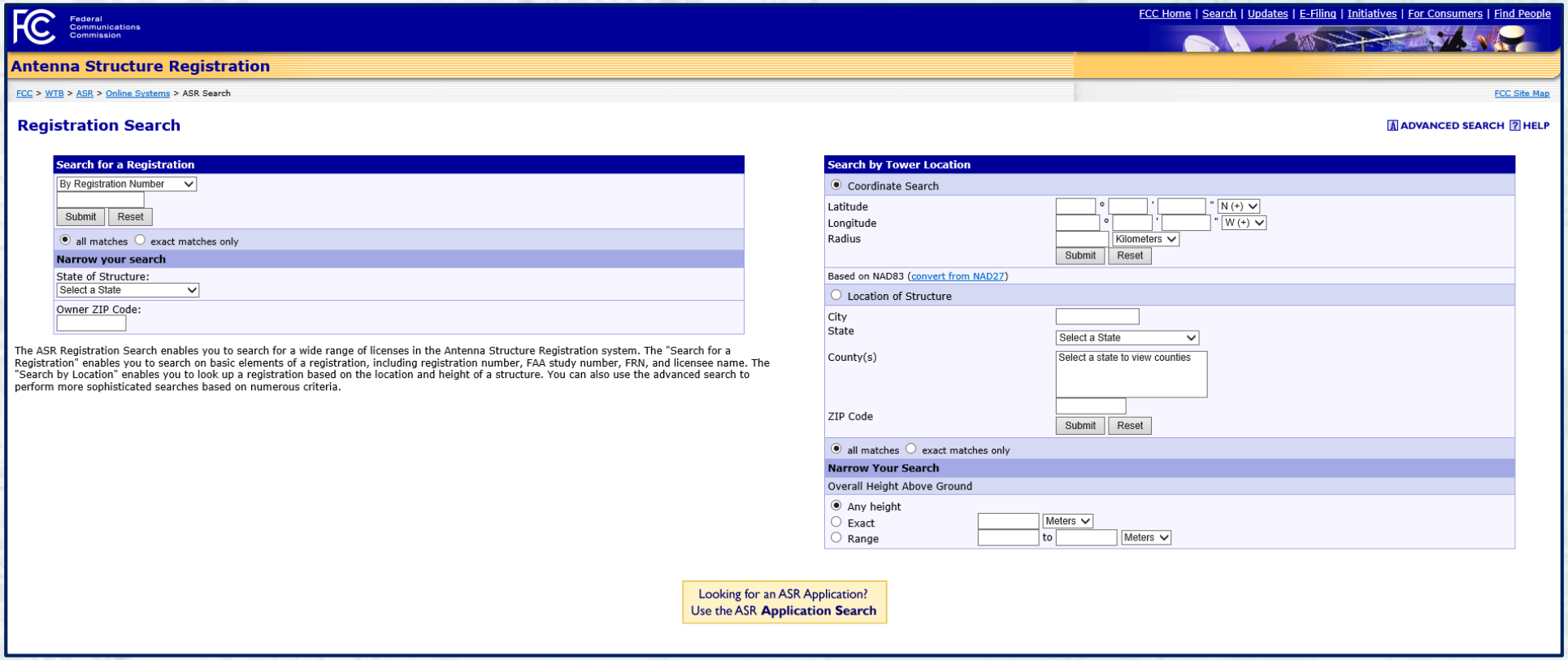
Tools and Software Platforms

Coordinate Conversion Tool



Tools and Software Platforms

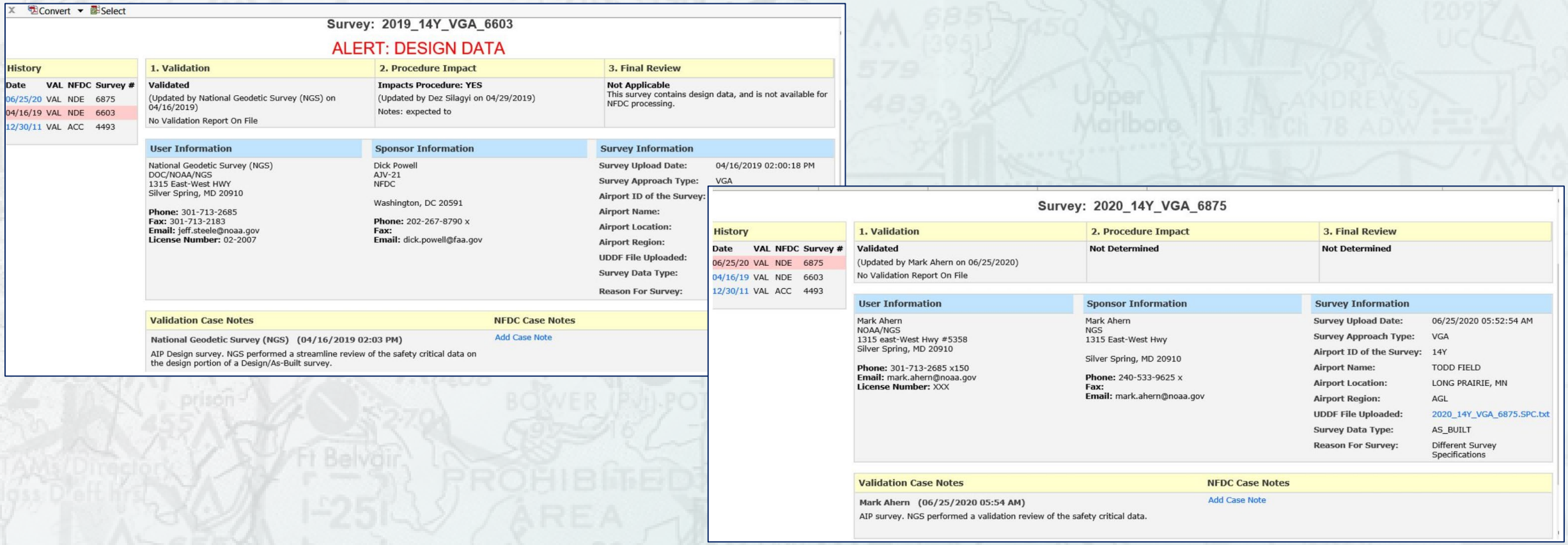
Federal Communications Commission (FCC) Database



Tools and Software Platforms

Third Party Survey Site (TPSS)

Accessible by ODT to collect survey documents



Convert Select

Survey: 2019_14Y_VGA_6603

ALERT: DESIGN DATA

History

Date	VAL	NFDC	Survey #
06/25/20	VAL	NDE	6875
04/16/19	VAL	NDE	6603
12/30/11	VAL	ACC	4493

1. Validation	2. Procedure Impact	3. Final Review
Validated (Updated by National Geodetic Survey (NGS) on 04/16/2019) No Validation Report On File	**Impacts Procedure: YES** (Updated by Dez Silagyi on 04/29/2019) Notes: expected to	**Not Applicable** This survey contains design data, and is not available for NFDC processing.

User Information

National Geodetic Survey (NGS)
DOC/NOAA/NGS
1315 East-West HWY
Silver Spring, MD 20910

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Sponsor Information

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AJV-21
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Survey Information

Survey Upload Date:	04/16/2019 02:00:18 PM
Survey Approach Type:	VGA
Airport ID of the Survey:	
Airport Name:	
Airport Location:	
Airport Region:	
UDDF File Uploaded:	
Survey Data Type:	
Reason For Survey:	

Validation Case Notes

National Geodetic Survey (NGS) (04/16/2019 02:03 PM)

AIP Design survey. NGS performed a streamline review of the safety critical data on the design portion of a Design/As-Built survey.

NFDC Case Notes

Add Case Note

Survey: 2020_14Y_VGA_6875

History

Date	VAL	NFDC	Survey #
06/25/20	VAL	NDE	6875
04/16/19	VAL	NDE	6603
12/30/11	VAL	ACC	4493

1. Validation	2. Procedure Impact	3. Final Review
Validated (Updated by Mark Ahern on 06/25/2020) No Validation Report On File	**Not Determined**	**Not Determined**

User Information

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Survey Information

Survey Upload Date:	06/25/2020 05:52:54 AM
Survey Approach Type:	VGA
Airport ID of the Survey:	14Y
Airport Name:	TODD FIELD
Airport Location:	LONG PRAIRIE, MN
Airport Region:	AGL
UDDF File Uploaded:	2020_14Y_VGA_6875.SPC.txt
Survey Data Type:	AS_BUILT
Reason For Survey:	Different Survey Specifications

Validation Case Notes

Mark Ahern (06/25/2020 05:54 AM)

AIP survey. NGS performed a validation review of the safety critical data.

NFDC Case Notes

Add Case Note

Tools and Software Platforms

Questions?