

## **AGIS Visual Tool**

- · Where is this data coming from?
- What is the accuracy?
- What are the benefits?
- What are some of the current limitations?
- Engineering Brief #91

Surface Analysis and
Visualization

# Where is this data coming from?

- National Airspace Systems Resources (NASR)
  - 56-day cycle
  - Analysis through SAV only as good as this data
  - May not reflect recent changes
    - Time delays between finishing a project and NASR update through AGIS



# Where is this data coming from?

- Airports GIS System
- Existing obstacle databases
  - Digital Obstacle File (DOF)
  - OE/AAA (Merging of databases)

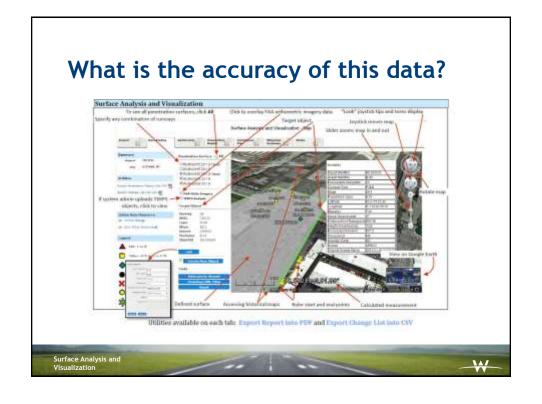


# What is the accuracy of this data?

- Best answer is it varies
- AC 150/5300-18B specifies accuracy of features
- FAA Order 8260.19F specifies obstacle accuracy

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### What are benefits?

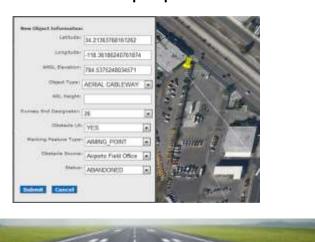
- Getting ahead of the dreaded FAA letter
  - Date of letter and requested date of response was only 10 days

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#### What are benefits?

Tool to enter new/proposed obstacles



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#### What are benefits?

Streamlined process for updating obstacles

Object Identifies 12-Amplications 16265 (23-1 Major)	Object Type TANK	Object Verification		Lutttade	Longitude	Rick Level
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18390 (201 Maps)	sunne	e Valid	O have varied	11 84 48 12.77	10 247 E1 13 60	rege
15-438/PORTSHIS- 15-403 (2011 Maps)	366VW122	@ YM14	© Not valid	11 54 48 32.22	H 147 B1 34.65	Medium
15-AMPORTANCE 15684 [BO-T Blope]	TREE	- Tald	O THE SHIP	11 64 49 57.37	W 147 S0 59.23	Medium
14387 (23-1 Slope)	VERTICAL STAUCTURE	# Yeld	© feet valid	N.64 42 56.70	# 145 St 26.10	medium
14263 (2011 Bope)	TREE	# VHV	O Not valid	11 64 49 48.52	10 147 49 27 30	medium
(20st Bope)	TREE	@ Yald	() Not varid	11 64 45 36.61	W 147 21 0.79	Liny
S-AUREON FEBRUAR	TREE	as Valid	in feet varied	11 64 40 36 33	W 147 21 0.30	140

### What are current limitations?

Obstruction areas and obstacle buffers



17.1.6. OBJECT DENSITY SELECTION CRITERIA. In some cast, what allocance in the observed solution return linest dover neglectured recognises or independent observations representation. To minimize these extension, the following quickfluor must be followed in static for electric electrics:

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  increal action 100 feet of out of the decision decision in the control.
- If obserby this are required onesels the primary or first 1830 of an approach are set became within 500 fem of trait order. On lower, obserb may be marked, Olever, Bergood primary or approach obserbes martinal to extend becomes of fair close particular of highest obserby module of the primary or approach mans).
- When a exposed objection is constrain because of congestion, a replacement obstacle obstacles must
- Occasionally, additional electrature inflorences may be useful as representing notion electronic as not produce. While a represent electronic as not produce, inflorences media to electronic cleaning arterities cleaned by considered in the selection.



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#### What are current limitations?

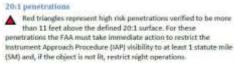
- Reporting removed or mitigated obstacles
  - Mitigation Summary provides an overview of all surface penetrations to update
  - What about obstacles that are not surface penetrations but may be in the future?
  - EB #91 has submit existing data AGIS projects
    - Not verified and may cause duplicate records



#### What are current limitations?

- Still in Beta phase
- Should include options to see all published obstacles to better determine

future risk



Veilow squares represent medium risk surface penetrations verified to be greater than 3 feet and up to and including 11 feet above the defined 20:1 surface. FAA is not required to take immediate action to restrict IAPs for these penetrations.

 Green diamonds represent low risk surface penetrations verified to be 3 feet or less above the defined 20:1 surface. FAA is not required to take immediate action to restrict IAPs for these penetrations.

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# **Engineering Brief 91**

- Establishes requirements on management of vegetation on or around an airport
  - Specifically discusses removal, topping and how to submit supporting data back to the FAA
  - Recommends an existing AGIS data project



# **Engineering Brief 91**

 Should be discussed beforehand the extent of updates and best approach



