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# FEDERAL AVIATION ADMINISTRATION

OE/AAA®

OBSTRUCTION EVALUATION / AIRPORT AIRSPACE ANALYSIS

## DESK REFERENCE GUIDE

SUBJECT: Notice Criteria Tool

*\*You are not required to have a registered e-filing account*

**Prepared by  
CGH Technologies, Inc.  
600 Maryland Ave., SW Suite 800W  
Washington, DC 20024**

All references to software products remain the protected trademarks of their manufacturers. The instructions in this document may reference Microsoft application(s). This is not meant in any way to express a preference for any particular product since there are many different browsers, programs, and operating systems available to the user. For simplicity only, one brand/product is used in the examples that follow.



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## Notice Criteria Tool

Obstruction Evaluation Version 2014.2.0.342	Notice Criteria Tool
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To access the OE/AAA Notice Criteria screen, select the **Notice Criteria Tool** link located on the left sidebar of the website, under the gray Obstruction Evaluation header.



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As shown below, the Notice Criteria screen summarizes the filing requirements specified in Title 14 of the Code of Federal Regulations Part 77.9 Notice Criteria.

The requirements for filing with the Federal Aviation Administration for proposed structures vary based on a number of factors: height, proximity to an airport, location, and frequencies emitted from the structure, etc. For more details, please reference [CFR Title 14 Part 77.9](#).

You must file with the FAA at least 45 days prior to construction if:

- your structure will exceed 200ft above ground level
- your structure will be in proximity to an airport and will exceed the slope ratio
- your structure involves construction of a traverseway (i.e. highway, railroad, waterway etc...) and once adjusted upward with the appropriate vertical distance would exceed a standard of 77.9(a) or (b)
- your structure will emit frequencies, and does not meet the conditions of the [FAA Co-location Policy](#)
- your structure will be in an instrument approach area and might exceed part 77 Subpart C
- your proposed structure will be in proximity to a navigation facility and may impact the assurance of navigation signal reception
- your structure will be on an airport or heliport
- filing has been requested by the FAA

If you require additional information regarding the filing requirements for your structure, please identify and contact the appropriate FAA representative using the [Air Traffic Areas of Responsibility map](#) for Off Airport construction, or contact the [FAA Airports Region / District Office](#) for On Airport construction.

There is a **CFR Title 14 Part 77.9** link in the first paragraph above. Selecting this link, opens a new browser window where you can view text or PDF sections of the Part 77 regulation. You must ensure that your proposal does not require notice under *any* Notice Criteria prescribed in Part 77.9.

In the bulleted list above, there is a link to the **FAA Co-location Policy**. In the second paragraph above, there are links to the **Air Traffic Areas of Responsibility map** and the **FAA Airports Region / District Office**.

Use the calculation tool to determine if your proposal exceeds the slope ratio criteria.

The slope calculation tool is only provided to assist you in applying the appropriate calculation for Part 77.9.



## Notice Criteria Tool:

The tool below will assist in applying Part 77 Notice Criteria.

Latitude:	<input type="text"/>	Deg	<input type="text"/>	M	<input type="text"/>	S	<input type="button" value="N"/>
Longitude:	<input type="text"/>	Deg	<input type="text"/>	M	<input type="text"/>	S	<input type="button" value="W"/>
Horizontal Datum:	<input type="button" value="NAD83"/>						
Site Elevation (SE):	<input type="text"/> (nearest foot)						
Structure Height (AGL):	<input type="text"/> (nearest foot)						
Traverseway:	<input type="button" value="No Traverseway"/>						
	(Additional height is added to certain structures under 77.9(c))						
Is structure on airport:	<input checked="" type="radio"/> No <input type="radio"/> Yes						
	<input type="button" value="Submit"/>						

1. Enter the proposed Latitude, Longitude, Horizontal Datum, Site Elevation, and proposed Structure Height.
2. Traverseway - use the default entry of "No Traverseway" in this field **unless** your structure is going to cross one of the dropdown entries.

Traverseway:	<input type="button" value="No Traverseway"/>	
Is structure on airport:	<input type="button" value="No Traverseway"/> Interstate Highway Private Road Public Roadway Railroad Waterway	←

3. Select whether the calculation is being run for a structure on an airport.
4. Then, select the **[Submit]** button.



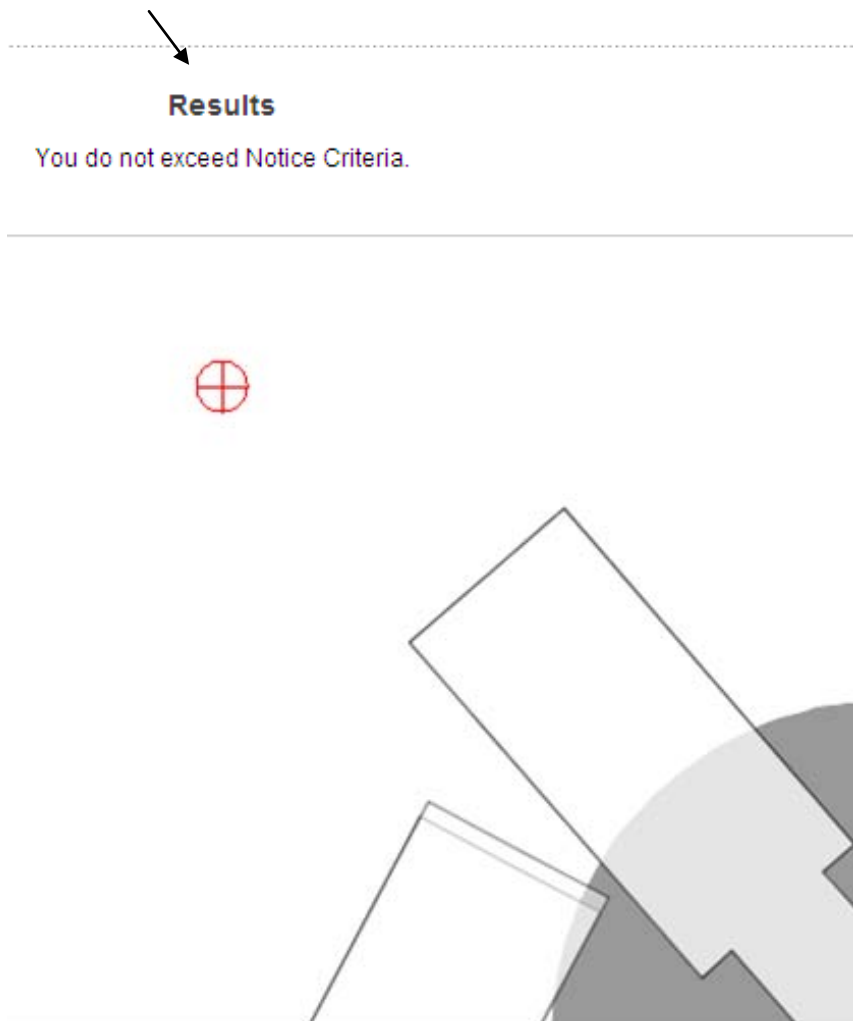
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The results will provide the slope calculation exceed, if any.

The following is an example of a slope calculation that did not exceed FAA Part 77 Notice Criteria:

### Example 1: “Does Not Exceed”





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The following two examples illustrate On and OFF airport slope calculations that exceed FAA Part 77 Notice Criteria:

In both Exceed result examples below, the slope calculation exceed is provided in feet; the nearest airport and affected runway(s) are also identified.

### Example 2: On Airport “Exceed”

Latitude:	<input type="text" value="38"/> Deg	<input type="text" value="51"/> M	<input type="text" value="6.22"/> S	<input type="text" value="N"/>
Longitude:	<input type="text" value="77"/> Deg	<input type="text" value="02"/> M	<input type="text" value="18.00"/> S	<input type="text" value="W"/>
Horizontal Datum:	<input type="text" value="NAD83"/>			
Site Elevation (SE):	<input type="text" value="15"/> (nearest foot)			
Structure Height (AGL):	<input type="text" value="190"/> (nearest foot)			
Traverseway:	<input type="text" value="No Traverseway"/>			
	<small>(Additional height is added to certain structures under 77.9(c))</small>			
Is structure on airport:	<input type="radio"/> No			
	<input checked="" type="radio"/> Yes			
	<input type="button" value="Submit"/>			



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Results

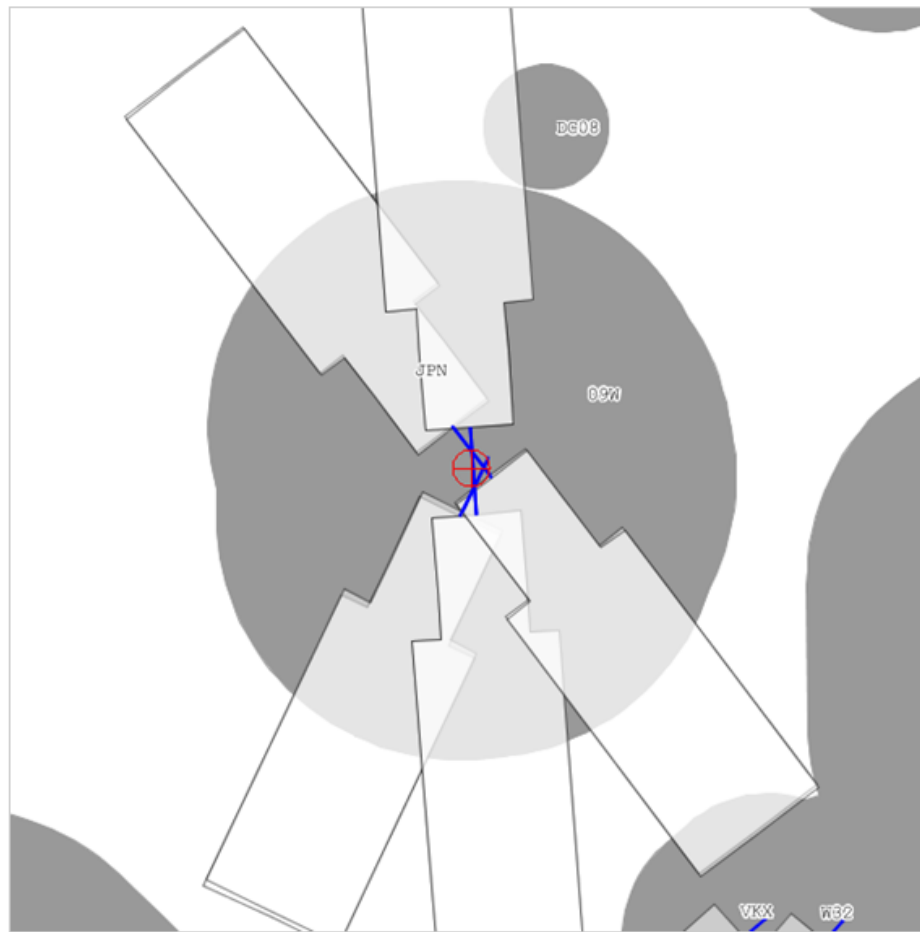
You exceed the following Notice Criteria:

Your proposed structure is in proximity to a navigation facility and may impact the assurance of navigation signal reception. The FAA, in accordance with 77.9, requests that you file.

77.9(b) by 193 ft. The nearest airport is DCA, and the nearest runway is 01/19.

77.9(d) construction is on an airport.

The FAA requests that you file





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### Example 3: Off Airport “Exceed”

Latitude:	<input type="text" value="38"/> Deg	<input type="text" value="51"/> M	<input type="text" value="6.90"/> S	<input type="text" value="N"/>
Longitude:	<input type="text" value="76"/> Deg	<input type="text" value="02"/> M	<input type="text" value="16.00"/> S	<input type="text" value="W"/>
Horizontal Datum:	<input type="text" value="NAD83"/>			
Site Elevation (SE):	<input type="text" value="15"/> (nearest foot)			
Structure Height (AGL):	<input type="text" value="345"/> (nearest foot)			
Traverseway:	<input type="text" value="No Traverseway"/>			
	(Additional height is added to certain structures under 77.9(c))			
Is structure on airport:	<input checked="" type="radio"/> No <input type="radio"/> Yes			
	<input type="button" value="Submit"/>			





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Results

You exceed the following Notice Criteria:

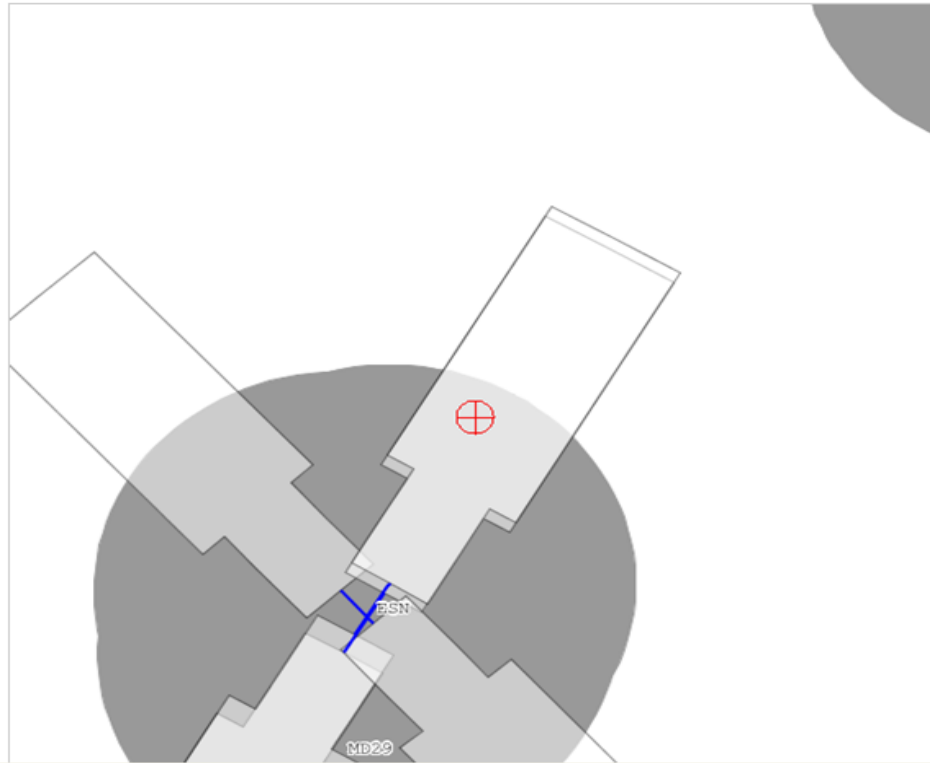
Your proposed structure exceeds an instrument approach area by 193 feet and aeronautical study is needed to determine if it will exceed a standard of subpart C of 14CFR Part 77. The FAA, in accordance with 77.9, requests that you file.

Your proposed structure is in proximity to a navigation facility and may impact the assurance of navigation signal reception. The FAA, in accordance with 77.9, requests that you file.

77.9(a) by 145 ft.

77.9(b) by 136 ft. The nearest airport is ESN, and the nearest runway is 15/33.

The FAA requests that you file



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