FEDERAL AVIATION ADMINISTRATION

OE/AAA®

OBSTRUCTION EVALUATION / AIRPORT AIRSPACE ANALYSIS

DESK REFERENCE GUIDE

SUBJECT: DoD Preliminary Screening 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.

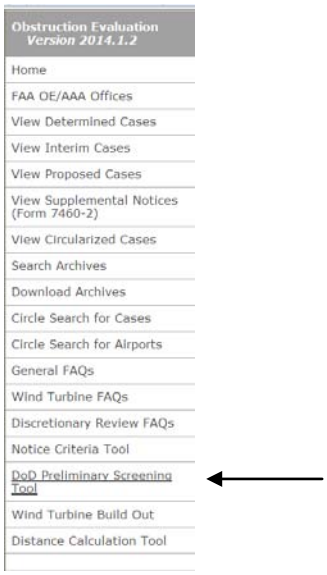
DoD Preliminary Screening Tool

The DoD Preliminary Screening Tool enables developers to obtain a preliminary review of potential impacts to Long-Range Radars, Weather Radar(s), Military Training Route(s) and Special Airspace(s) prior to official OE/AAA filing.

This tool will produce a map relating the structure to any of the DoD/DHS and NOAA resources listed above.

The use of this tool is **100 % optional** and will provide a first level of feedback and list the single points of contact within the DoD/DHS and NOAA to discuss impacts/mitigation efforts on the military training mission and NEXRAD Weather Radars.

The use of this tool does not in any way replace the official FAA processes/procedures.



To access the OE/AAA **DoD Preliminary Screening Tool**, select the DoD Preliminary Screening link located on the left sidebar of the website, under the gray Obstruction Evaluation header.

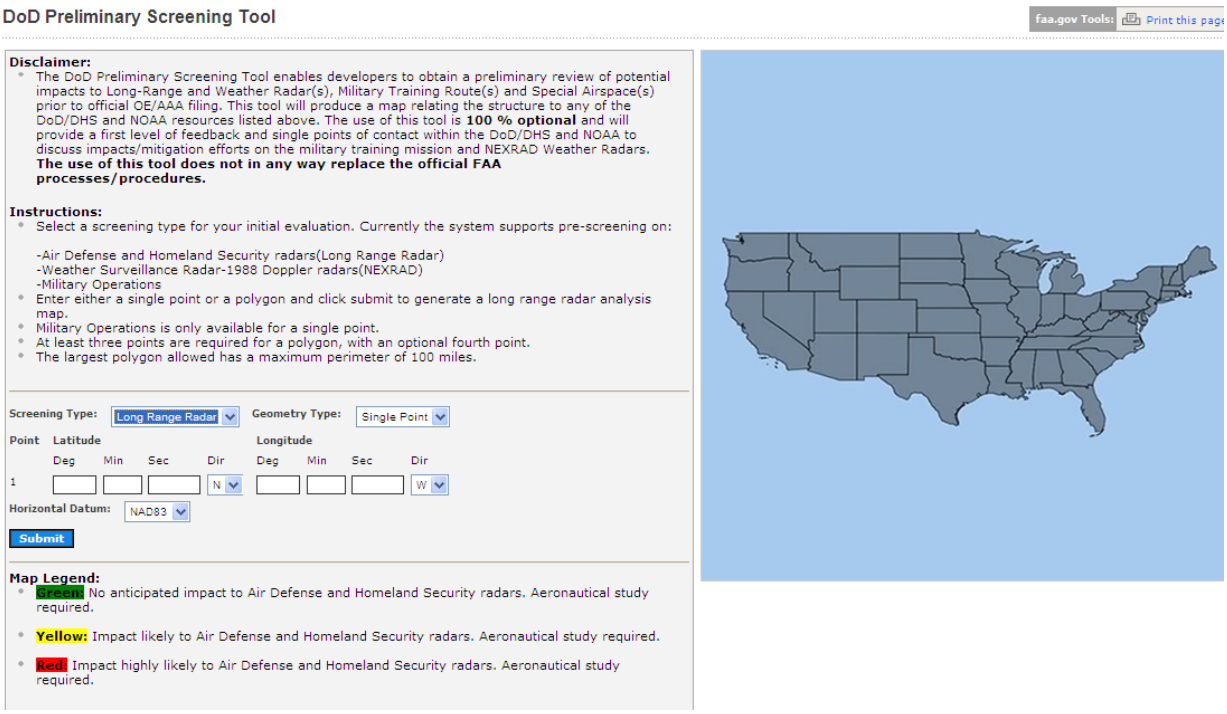
From the **DoD Preliminary Screening Tool** link, you have the ability to see if a proposed structure or group of structures will impact Radars.

DoD Preliminary Screening Tool

Long Range Radar

-Air Defense and Homeland Security radars (Long Range Radar)

Long Range Radar geometry type Single Point – Entry screen.



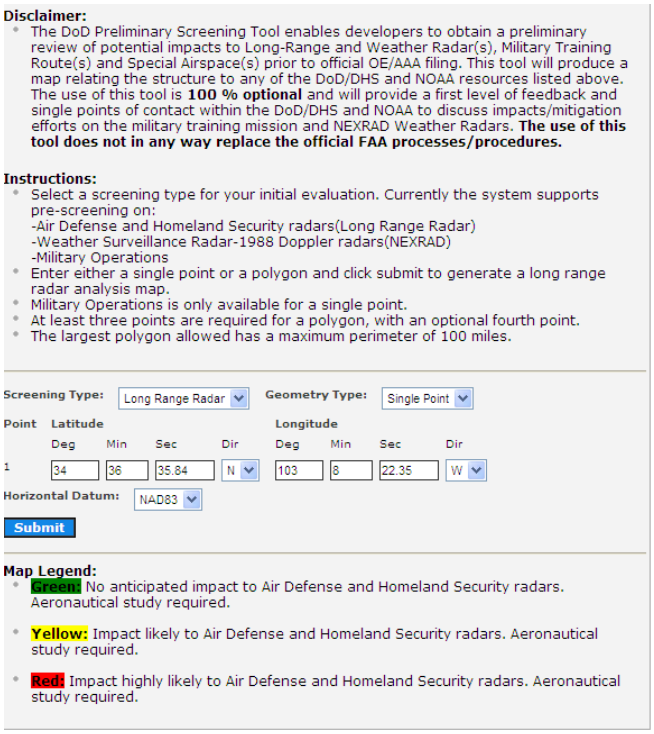
Instructions:

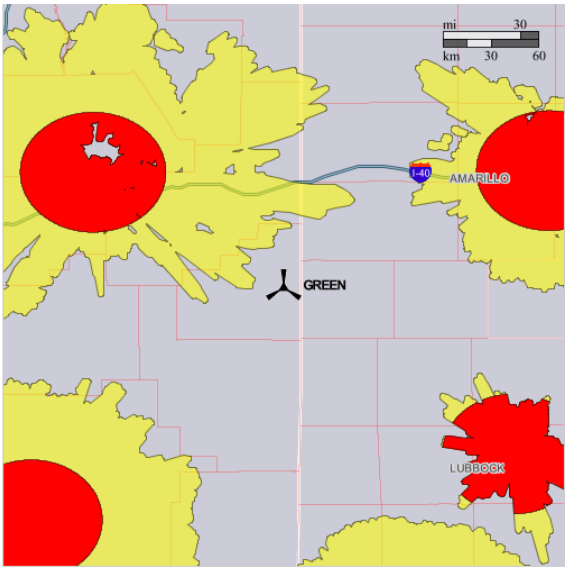
1. Select the radar type Long Range Radar.
2. Select the geometry type of Single Point.
3. Enter the proposed Latitude(s), Longitude(s) and Horizontal Datum.
4. Select the **[Submit]** button to generate a Long Range Radar analysis map.

A visual representation will be depicted showing Red, Yellow and Green areas.

The Map Legend describes what each color means.

Example: Long Range Radar geometry type Single Point- “No Anticipated Impact”.





Map Legend:

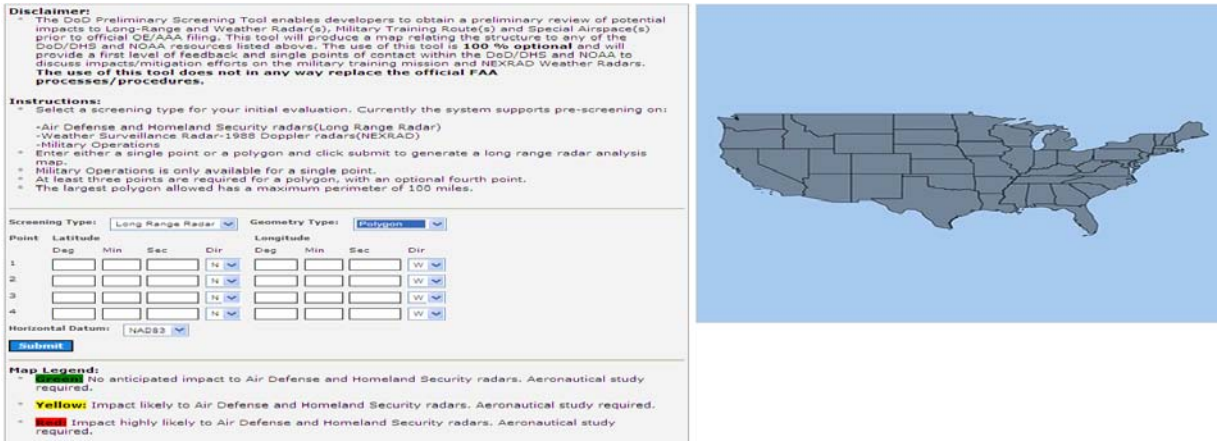
- **Green:** No anticipated impact to Air Defense and Homeland Security radars. Aeronautical study required.
- **Yellow:** Impact likely to Air Defense and Homeland Security radars. Aeronautical study required.
- **Red:** Impact highly likely to Air Defense and Homeland Security radars. Aeronautical study required.

Federal Aviation Administration

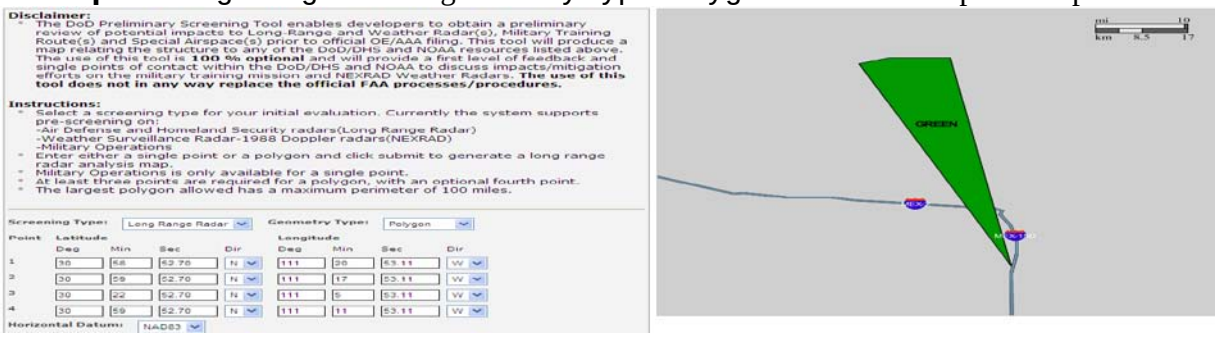
CGH Technologies, Inc.

Long Range Radar geometry type Polygon - Entry Screen.

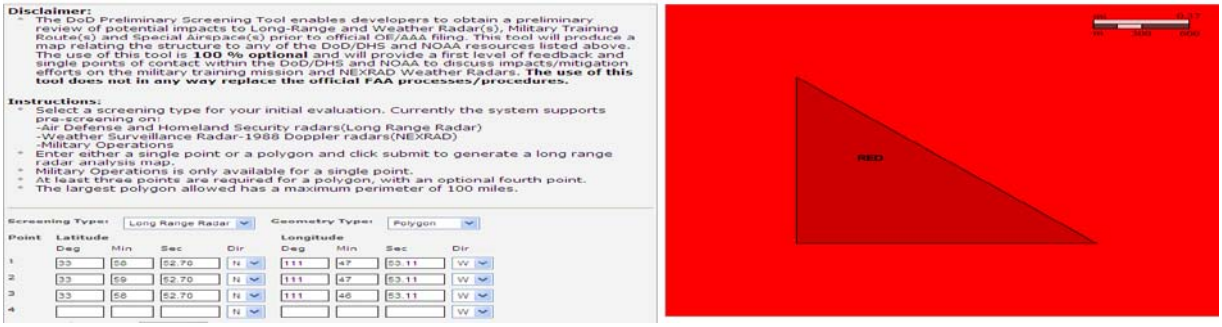
- At least three points are required for a polygon, with an optional fourth point.
- The largest polygon allowed has a maximum perimeter of 100 miles.



Example: Long Range Radar geometry type Polygon – "No Anticipated Impact".



Example: Long Range Radar geometry type Polygon– "Impact Highly Likely".



DoD Preliminary Screening Tool

NEXRAD

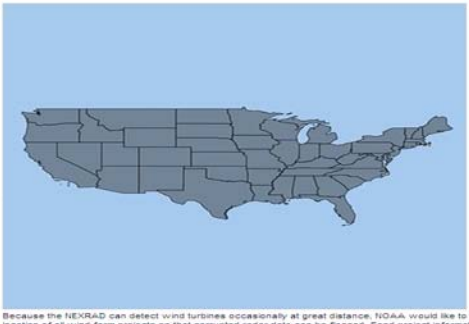
-Weather Surveillance Radar-1988 Doppler radars (NEXRAD)

Because the NEXRAD can detect wind turbines occasionally at great distance, NOAA would like to know the location of all wind farm projects so that corrupted radar data can be flagged.

Send project information directly to NOAA at wind.energy.matters@noaa.gov or through the National Telecommunications & Information Administration (NTIA) in the Dept. of Commerce.

NOAA protects all wind project information as proprietary and sensitive.

NEXRAD geometry type Single Point – Entry screen.



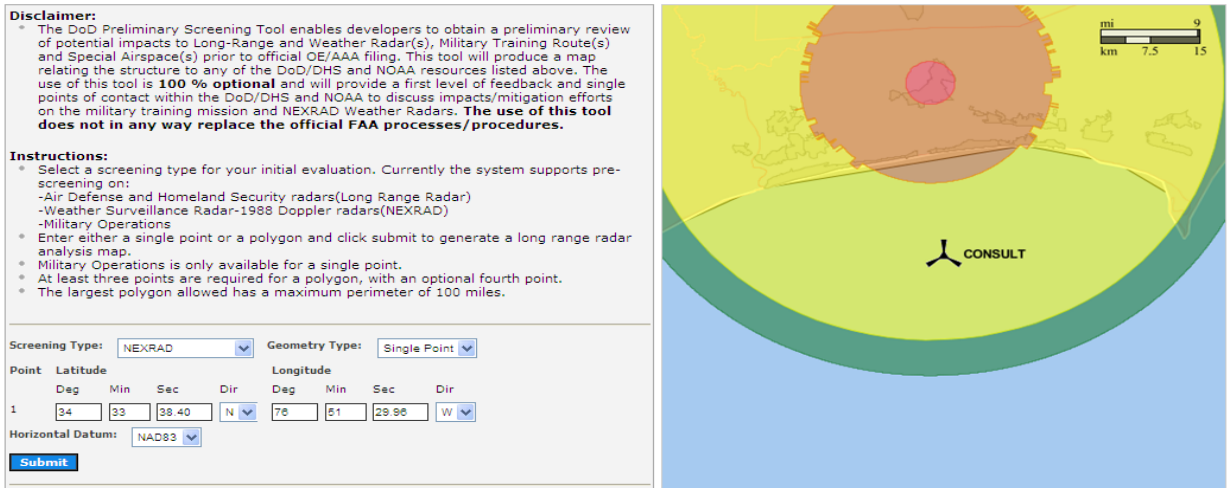
Instructions:

1. Select the Radar Type NEXRAD.
2. Select the geometry type Single Point.
3. Enter the proposed Latitude(s), Longitude(s), and Horizontal Datum.
4. Select the **[Submit]** button to generate a NEXRAD radar analysis map.

A visual representation will be depicted showing Red, Orange, Yellow, Dark Green and Green areas.

The Map Legend describes what each color means.

Example: NEXRAD geometry type Polygon– "Consultation Zone".

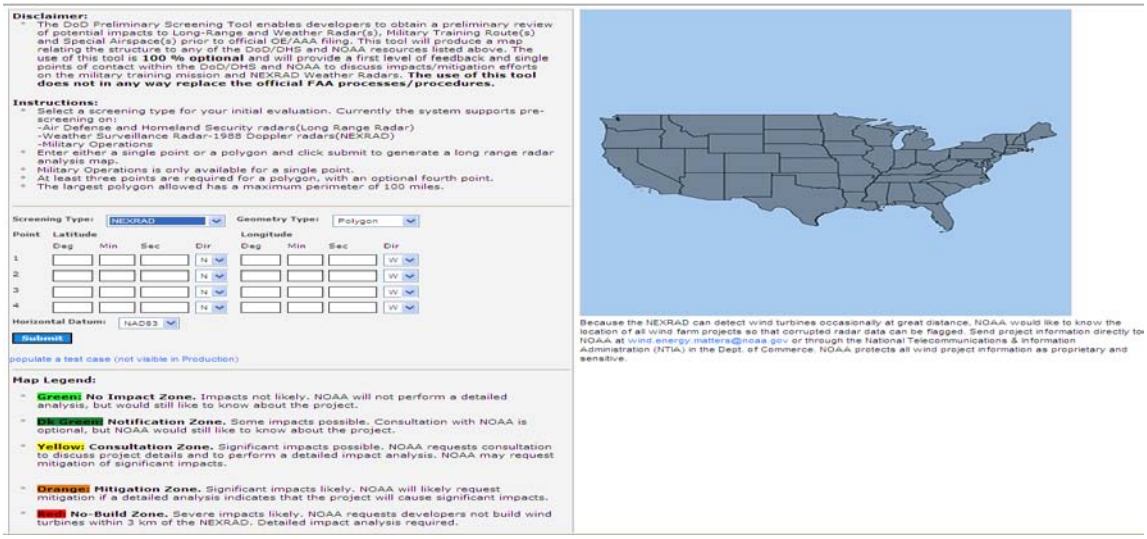


Map Legend:

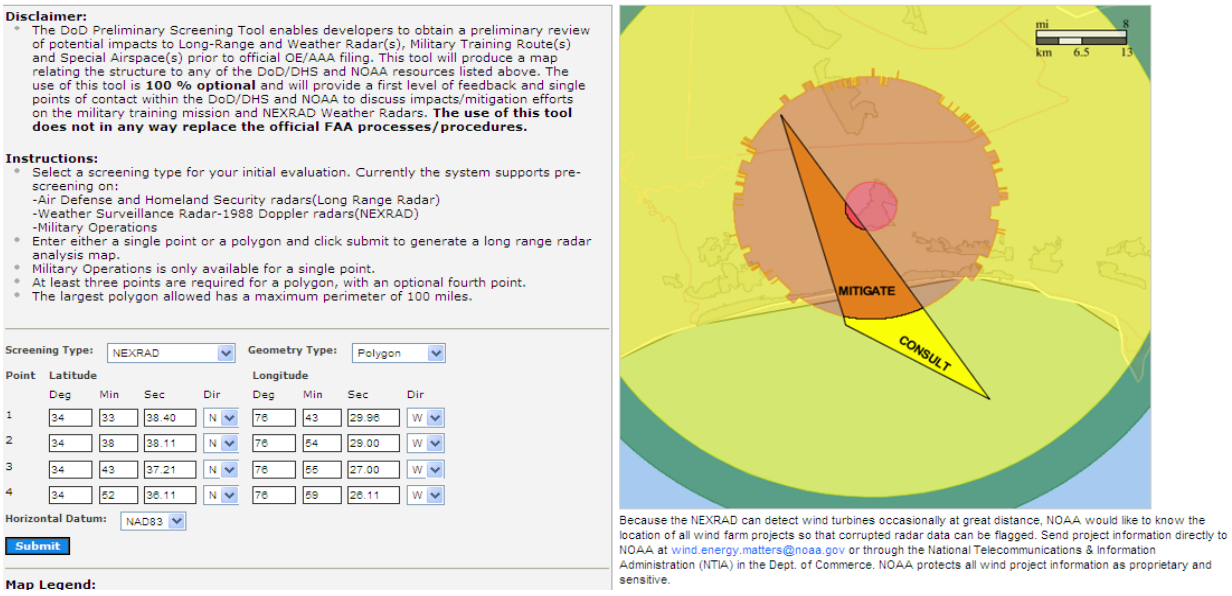
-
- **Green: No Impact Zone.** Impacts not likely. NOAA will not perform a detailed analysis, but would still like to know about the project.
- **Dk Green: Notification Zone.** Some impacts possible. Consultation with NOAA is optional, but NOAA would still like to know about the project.
- **Yellow: Consultation Zone.** Significant impacts possible. NOAA requests consultation to discuss project details and to perform a detailed impact analysis. NOAA may request mitigation of significant impacts.
- **Orange: Mitigation Zone.** Significant impacts likely. NOAA will likely request mitigation if a detailed analysis indicates that the project will cause significant impacts.
- **Red: No-Build Zone.** Severe impacts likely. NOAA requests developers not build wind turbines within 3 km of the NEXRAD. Detailed impact analysis required.

NEXRAD geometry type Polygon - Entry screen.

- At least three points are required for a polygon, with an optional fourth point.
- The largest polygon allowed has a maximum perimeter of 100 miles.



Example: NEXRAD geometry type Polygon – "Consultation", "Mitigation" and "No-Build" Zones.



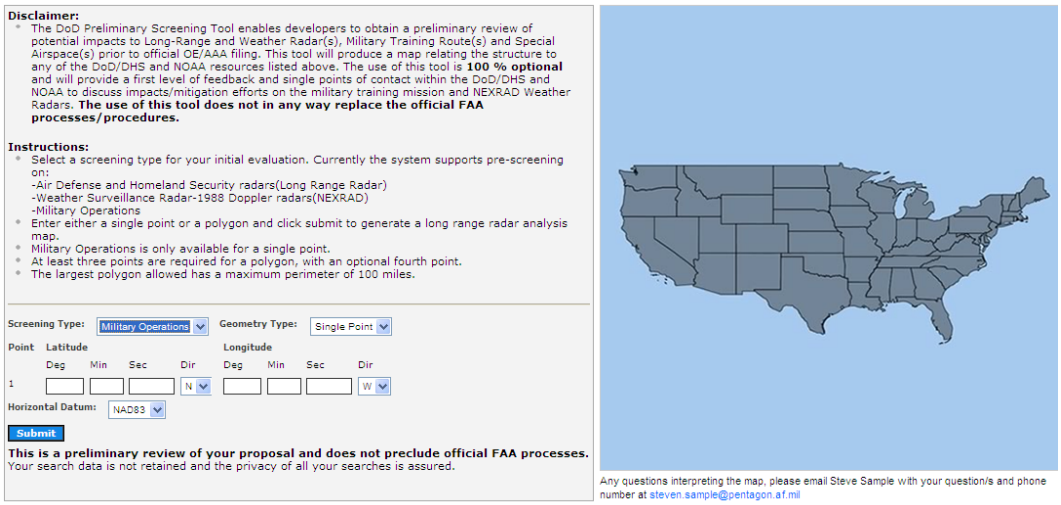
DoD Preliminary Screening Tool

Military Operations

Military Operations is only available for a single point.

Your search data is not retained and the privacy of all your searches is assured.

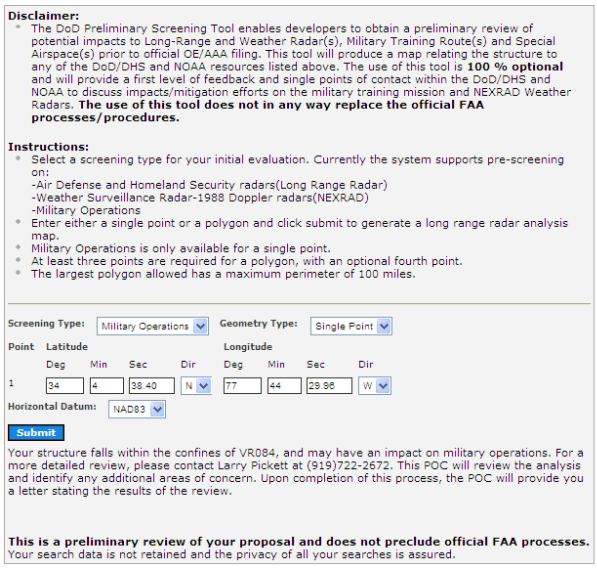
Military Operations geometry type Single Point - Entry screen.



Instructions:

1. Select the Radar Type Military Operations.
2. Military Operations is only available for a single point geometry type.
3. Enter the proposed Latitude(s), Longitude(s), Horizontal Datum,
4. Select the **[Submit]** button to generate a Military Operations radar analysis map.

Example: Military Operations geometry type Single Point - “May Have An Impact”.



Disclaimer:

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Instructions:

- Select a screening type for your initial evaluation. Currently the system supports pre-screening on:
  -Air Defense and Homeland Security radars(Long Range Radar)
  -Weather Surveillance Radar-1988 Doppler radars(NEXRAD)
  -Military Operations
- Enter either a single point or a polygon and click submit to generate a long range radar analysis map.
- Military Operations is only available for a single point.
- At least three points are required for a polygon, with an optional fourth point.
- The largest polygon allowed has a maximum perimeter of 100 miles.

Screening Type: Military Operations Geometry Type: Single Point

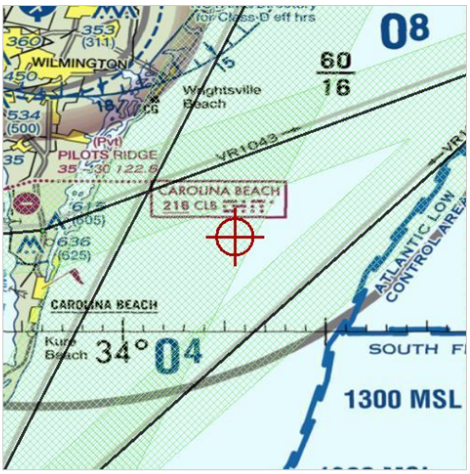
Point	Latitude Deg	Min	Sec	Dir	Longitude Deg	Min	Sec	Dir
1	34	4	38.40	N	77	44	29.96	W

Horizontal Datum: NAD83

Submit

Your structure falls within the confines of VR084, and may have an impact on military operations. For a more detailed review, please contact Larry Pickett at (919)722-2672. This POC will review the analysis and identify any additional areas of concern. Upon completion of this process, the POC will provide you a letter stating the results of the review.

This is a preliminary review of your proposal and does not preclude official FAA processes.
Your search data is not retained and the privacy of all your searches is assured.



Any questions interpreting the map, please email Steve Sample with your question/s and phone number at steven.sample@pentagon.af.mil

Any questions interpreting the analysis map, please contact the individual listed below the map with your question(s).

A more detailed review of your proposal can be requested if your structure falls within the confines of Military Training Route(s) or Special Airspace(s) which may have an impact on military operations.

The POC will review the analysis and identify any additional areas of concern. Upon completion of this process, the POC will provide you a letter stating the results of the review.

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This is a preliminary review of your proposal and does not preclude official FAA processes.