



**Federal Aviation
Administration**

**Airport Surveying-GIS Program
Non-Vertically Guided
Airport Airspace Analysis Checklist**

| | | | | |
|--------------------|-----------------------|-----------|------------------------|-----------|
| Airport Name | | City | | State |
| Airport Identifier | Low End Runway Number | Elevation | High End Runway Number | Elevation |

Instructions: Analyze the surfaces according to the following criteria for each runway end. Where an object meets multiple requirements (highest and most penetrating, highest and highest man-made etc.) reference the point only once. Left or Right side is relative to an observer facing forward in a landing aircraft.

1. Non-Vertically Guided Primary Surface (NVGPS) Evaluation

| Section | Object | Object Elevation (ft.) | Object Selection |
|---|--------|------------------------|---|
| First 1/3 of runway (Left Side) | | | Highest Manmade object |
| | | | Highest Natural object |
| First 1/3 of runway (Right Side) | | | Highest Manmade object |
| | | | Highest Natural object |
| Second 1/3 of runway (Left Side) | | | Highest Manmade object |
| | | | Highest Natural object |
| Second 1/3 of Runway (Right Side) | | | Highest Manmade object |
| | | | Highest Natural object |
| Third 1/3 of runway (Left side) | | | Highest Manmade object |
| | | | Highest Natural object |
| Third 1/3 of runway (Right Side) | | | Highest Manmade object |
| | | | Highest Natural object |
| Low numbered end of runway to 200 feet (Left Side) | | | Highest object outward from runway end to 200 feet |
| Low numbered end of runway to 200 feet (Right Side) | | | Highest object outward from runway end to 200 feet |

Paperwork Reduction Act Statement: This form is used to document source information about an airport or aeronautical facility which is part of the National Airspace System (NAS). This information is used to document airport data relating to the safety, security, or capacity of the national air transportation system. It is estimated that it will take approximately 5-80 hours to fill out the all of the necessary forms for a project depending on the complexity. No assurance of confidentiality is necessary or provided. It should be noted that an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. The OMB control number associated with this collection of information is 2120-0569. Comments concerning the accuracy of this burden and suggestions for reducing the burden should be directed to the FAA at: 800 Independence Ave. SW, Washington, DC, 20591, Attn: Information Collections Clearance Officer, AIO-20.

| Airport Airspace Analysis – Non-Vertically Guided | | | |
|--|--------|------------------------|--|
| Non-Vertically Guided Primary Surface (NVGPS) Evaluation | | | |
| Section | Object | Object Elevation (ft.) | Object Selection |
| High numbered end of runway to 200 feet (Left Side) | | | Highest object outward from runway end to 200 feet |
| High numbered end of runway to 200 feet (Right Side) | | | Highest object outward from runway end to 200 feet |
| 2. Non-Vertically Guided Approach Surface (NVGAS) Evaluation | | | |
| Section | Object | Object Elevation (ft.) | Object Selection |
| Entire NVGAS | | | Highest object |
| Left side of centerline within the approach surface | | | 1 st Highest Manmade object |
| | | | 1 st Highest Natural object |
| | | | 2 nd Highest Manmade object |
| | | | 2 nd Highest Natural object |
| | | | Most Penetrating object |
| Right Left side of centerline within the approach surface | | | 1 st Highest Manmade object |
| | | | 1 st Highest Natural object |
| | | | 2 nd Highest Manmade object |
| | | | 2 nd Highest Natural object |
| | | | Most Penetrating object |
| 3. Non-Vertically Guided Approach Transition Surface (NVGATS) Evaluation | | | |
| Section | Object | Object Elevation (ft.) | Object Selection |
| Right side of centerline (Section 1) | | | Highest manmade object |
| | | | Highest natural object |
| | | | Most penetrating |
| Right side of centerline (Section 2) | | | Highest manmade object |
| | | | Highest natural object |
| | | | Most penetrating |
| Right side of centerline (Section 3) | | | Highest manmade object |
| | | | Highest natural object |
| | | | Most penetrating |
| Left side of centerline (Section 1) | | | Highest manmade object |
| | | | Highest natural object |
| | | | Most penetrating |

| 4. Non-Vertically Guided Approach Transition Surface (NVGATS) Evaluation | | | |
|--|---|------------------------|---|
| Section | Object | Object Elevation (ft.) | Object Selection |
| Left side of centerline (Section 2) | | | Highest manmade object |
| | | | Highest natural object |
| | | | Most penetrating |
| Left side of centerline (Section 3) | | | Highest manmade object |
| | | | Highest natural object |
| | | | Most penetrating |
| 5. Non-Vertically Guided Horizontal Surface (NVGHS) Evaluation | | | |
| Section | Object | Object Elevation (ft.) | Object Selection |
| Horizontal Surface | | | Object > 500 feet above airport elevation |
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| | <i>Note: If more space is needed to continue listing objects exceeding 500 feet above the airport elevation use a separate sheet of paper</i> | | |