

Airports GIS Surface Analysis and Visualization Quick Reference Guide

Airports GIS: <https://airports-gis.faa.gov/airportsgis/>

Tab Basics	
Airport Tab: To analyze surfaces select Runway , and Surface to Analyze ; then Add the new row. To analyze and generate report, click Submit . To return to the airport selection screen click Back .	
Visualization Tab: Display surfaces and select, review, edit, add, and update objects mapped according to settings on Airport tab.	
Verification Tab: Verify objects, mark valid or not valid, and submit plan and invalid objects to data owners.	
Penetration Report Tab: Review report of valid objects and add notes using blue object identifier links. Highest risk level objects listed first.	
Compliance Plan Tab: <ul style="list-style-type: none"> For each valid object, view: Object Verification Due Date, Compliance Plan Due Date, Mitigation Due Date, Mitigation Complete Date. Select mitigation action options for each object: Remove, Lower, Light, No Action, Other, or submit a request for an alternate mitigation. When complete, click Submit Compliance Plan. 	
Mitigation Summary Tab: Review the status of compliance plans, mitigation requests, and mitigation completion dates. Confirm and accept all updates.	
Notes Tab: Add and reply to notes and comments.	

Visualization Fundamentals	
Viewing surface penetrations: To view a surface, from the Penetration Surface pane select All or specific runways.	
Overlaying orthometric data: To overlay FAA orthometric data, select FAA Ortho Imagery .	
Viewing TERPS objects: If TERPS objects are uploaded by system administrator, to view click TERPS Analysis .	
Penetration legend:	<ul style="list-style-type: none"> ▲ (>11 ft.) ■ (>3 ft. but ≤11 ft.) ◆ (≤3 ft.) ● Penetrates 30:1
TERPS:	<ul style="list-style-type: none"> ✖ High ● Medium ✱ Low
Navigating the CESIUM mapping interface:	<ul style="list-style-type: none"> To access the instruction for navigating the map click the ? box in the top right corner of map. To center airport on map click Relocate to Airport
Viewing surfaces and object data on map: Click Download KML Files	
Measuring data points: Ruler Click Start Point Click End Point : Click on any 2 points to measure the distance between them (Reset to remove measurement).	
Selecting and editing penetrating objects:	<ul style="list-style-type: none"> To select an object and view GIS data: Click on an object symbol, zooming in or out as needed. Target Object summary data displays. Pop-up window containing detailed data appears. To edit target object data: Click on an object symbol. Click on Edit to edit object data in pop-up window. To deselect an object, click outside object symbol area.
Creating a new object: Zoom and pan map, click Create New Object , double click point on map, edit information in the New Object Information pop-up, and click Submit .	

Surface Analysis and Visualization

To see all penetration surfaces, click **All**

Specify any combination of runways

Click to overlay FAA orthometric imagery data

Navigation Instructions

Target object

Defined surface

Ruler start and end points

Calculated measurement

Utilities available on each tab: **Export Report into PDF** and **Export Change List into CSV**