

Airport GIS!

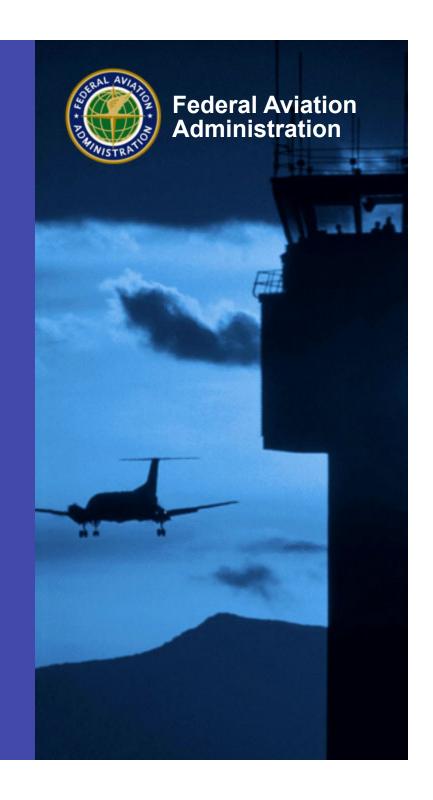
Airports GIS (AGIS)

Current System and Integration Effort with Digital NOTAM

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Aeronautical Information Management (AIM)

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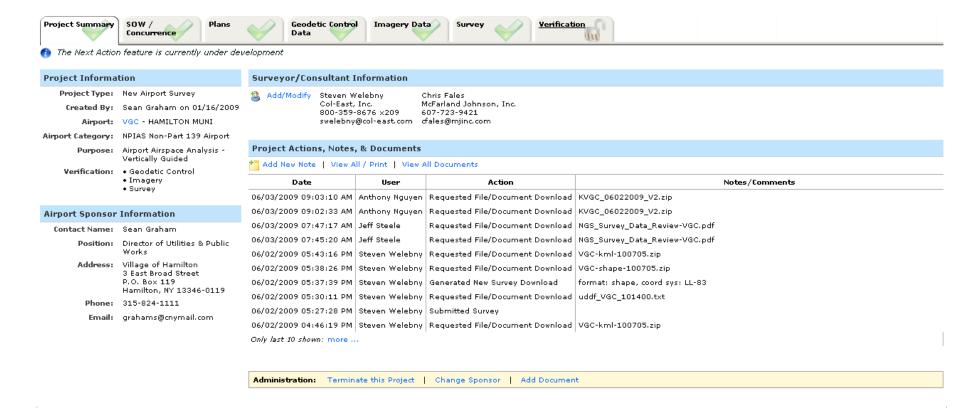
Airports GIS Overview

- Single repository for airport survey data
- Provide for a reduction and eventual elimination of funding spent for resurveying by establishing a standardized repeatable program to capture the data in an appropriate format and to an accuracy required by the internal and external customers
- Standardized data collection guidance, according to AC-5300/18 data standard
- GIS capabilities and end-user applications

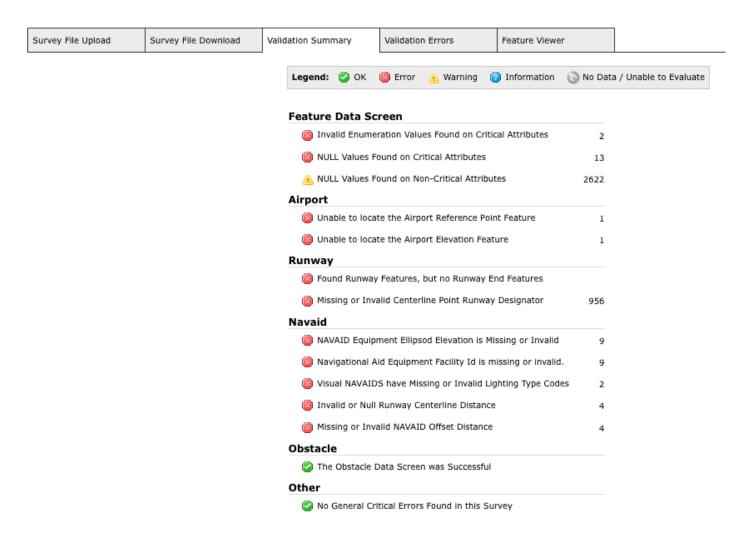


Current Status of Airports GIS

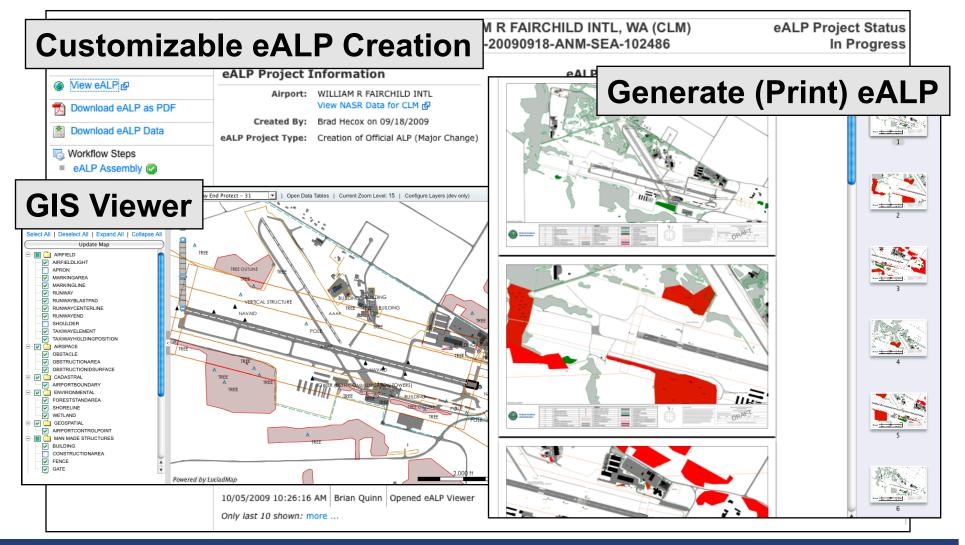
 Workflow management for airport survey data submission, validation, and verification



Automatic Data Validation



eALP Extension



Online Demo Presentation

http://agisdemo.faa.gov/airportsgis/



Integration with Digital NOTAMs

Various File Formats

AGIS system currently supports **Oracle**, **PostgreSQL/PostGIS**, **ESRI Shapefile**, **AutoCAD**, **DWG**, **GML**, and **KML** file formats to promote data interoperability between systems and software

AIXM Compliance

Currently working toward supporting the capability to import/export **AIXM** compliant data













Integration with Digital NOTAMs

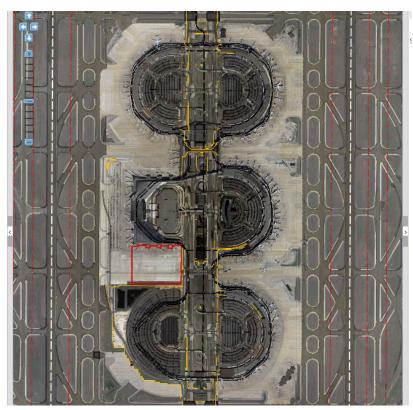
Web Map Service (WMS)

Provide base map data (vector maps, orthophotos, topographic maps, sectionals) to external systems through **WMS** server

Simple interface for requesting map images from one or more distributed geospatial databases

Support **OGC** standards





Screenshot of DFW survey data with orthophoto base layer



Potential Integration Scenarios

Adding a visual component to the NOTAM creation process

Allow users to graphically identify features to include in a

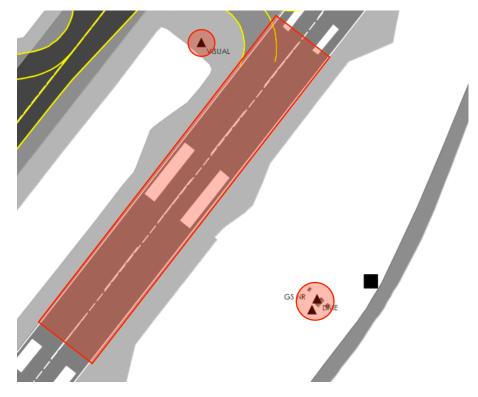
NOTAM

Examine metadata

Export as AIXM

Insert into Federal NOTAM System (FNS)

- FNS continues processing



Potential Integration Scenarios

Visualizing Active NOTAMs

Graphically display active NOTAMs

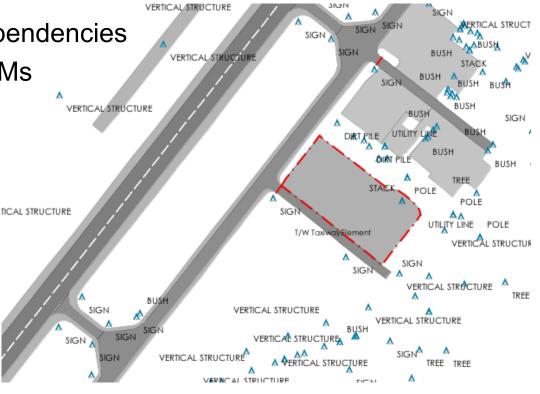
Historical Analyses

Scenario analysis and dependencies

Research previous NOTAMs

Reference documentation

Query and analysis



AGIS and NOTAM Integration Notes and Summary

- AGIS as a single repository for airport survey data (submission, validation, external verification), GIS capabilities, and eALPs
- AGIS currently supports various file formats
- AGIS currently has web mapping capabilities efforts to make these available to external systems and integrate with digital NOTAMs
- Integrate temporality to support NOTAMs
- Collection of survey data for common airport data sets

Thank You