


Airports GIS

Project Workflow and the AGIS Website

Presented to | FAA Regions | Alaskan
By | Gil Neumann, APP-400 | Thomas Wade, ASW-611
Date | October 19-20, 2011

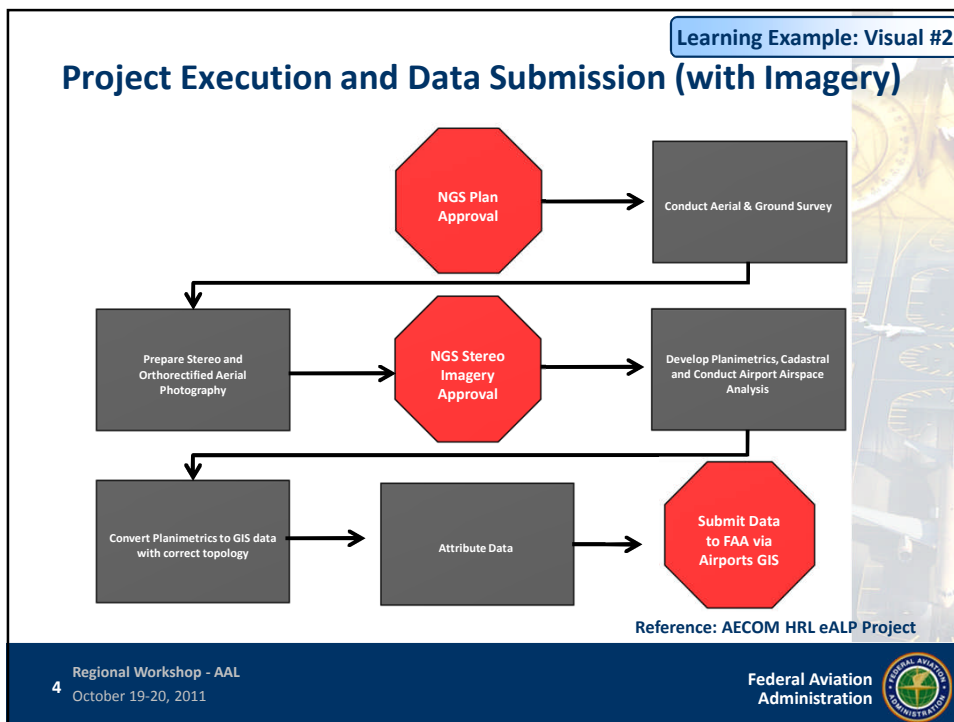
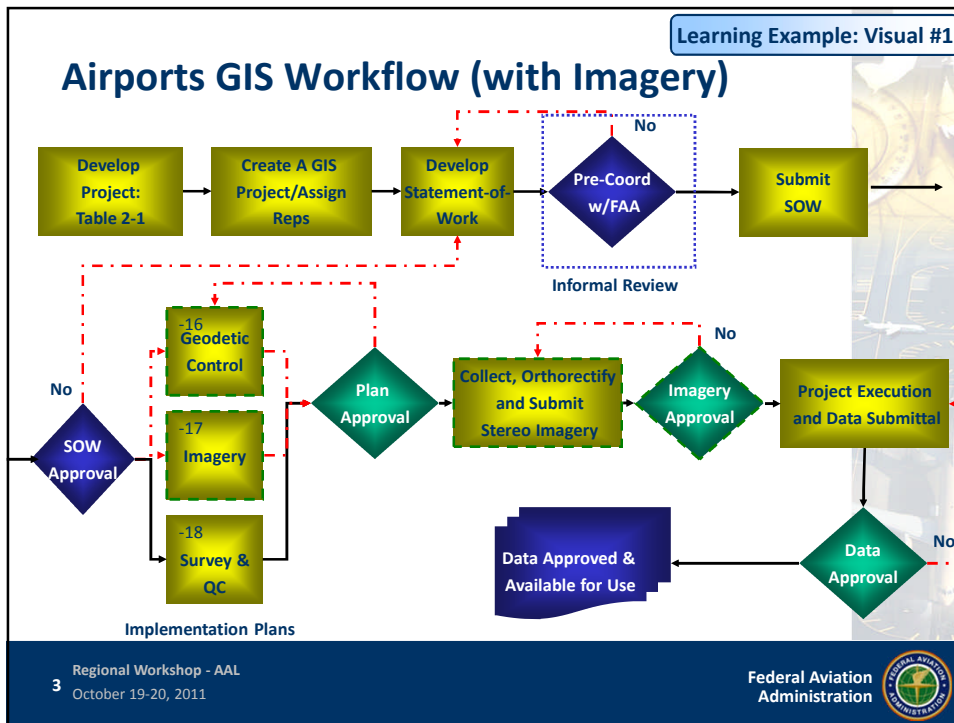
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Agenda

- **Workflow (4 min)**
- **Website (9 min)**
- **Best Practices/Lessons Learned (2 min)**



Airports GIS Project Flow

- Project Creation – Airport
- Assignment of Representatives – Airport
- Upload Statement of Work – Airport (Consultant)
- **SOW Concurrence – FAA (HQ or Region)**
- Plan Submittal (s) – Consultant
- **Plan Approval (s) – NGS**
- Project Execution – Consultant Team
- Deliverables – Consultant
- **Imagery/Data Verification/Validation – NGS**
- Data Use – FAA/Others/Airport (eALP Assembly)



Project Creation in Airports GIS (continued)

<p>Airports GIS Home</p> <p>My Account Update Account Information Change Password Track & Renewal Fee</p> <p>Survey Projects Manage ongoing projects My Survey Projects Create New Survey Project</p> <p>Runway Safety Area Inventory Check for Runway Safety Area Inventory Download Runway Safety Area Inventory</p> <p>Help & Training Support Desk Online Help FAQ Webinars</p> <p>Resources Airport Data Inquiries Airport Data Changes M-ADSA (DCA) M-ADSA (DCA) (P) M-ADSA (DCA) (T) Completed ADCA</p>	<p>Step 3 of 4: Additional Data</p> <p>Purpose of Survey:</p> <ul style="list-style-type: none"> <input type="radio"/> Airport Airspace Analysis - Non-Vertically Guided <input checked="" type="radio"/> Airport Airspace Analysis - Vertically Guided <input checked="" type="radio"/> Airport Layout Plan - Airport Design or Planning <input type="radio"/> Airport Layout Plan - Airport Movement Area Construction <input type="radio"/> Airport Layout Plan - Airport Non-Movement Area Construction <input type="radio"/> Airport Layout Plan - Obstruction Removal IFR Operations <input type="radio"/> Airport Layout Plan - Obstruction Removal VFR Operations <input type="radio"/> Airport Layout Plan - Periodic Update <input type="radio"/> Airport Mapping Database - Initial Development <input type="radio"/> Airport Mapping Database - Periodic Update <input type="radio"/> Airport Obstruction Chart - Initial Development <input type="radio"/> Airport Obstruction Chart - Periodic Update <input checked="" type="radio"/> Construction - Airside <input type="radio"/> Construction - Landside <input type="radio"/> NAVAID Sling - Non-Precision/Visual <input type="radio"/> NAVAID Sling - Precision <p>AIP Grant Number: <input type="text"/> <small>format like: 3-36-1234-012-2005 (must have dashes)</small></p> <p>Back Next</p>
<p>Step 1 of 4: Airport & Project Type</p> <p>Airports: <input type="text"/></p> <p>Project Type:</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> New Airport Survey Project <small>This project involves a new airport survey meeting the AC 150/5300-18 standards.</small> <input type="radio"/> Existing Airport Data Project <small>This project involves current airport data in use that was transformed to meet the AC 150/5300-18 standards, and is being provided to Airports GIS.</small> <p>Next</p>	<p>Step 4 of 4: Confirmation</p> <p>Please confirm your project before submitting:</p> <p>Note: Challenges with Proposed Facilities</p> <p>Airport Locator ID: BW1 Project Type: New Airport Survey Airport Category: NPIAS Part 139 Airport Verification Options: Imagery Geodetic Control Purpose of Survey: Airport Airspace Analysis - Vertically Guided AIP Grant Numbers: <input type="text"/></p> <p>Back Submit</p>
<p>Step 2 of 4: Airport Category & Level of Verification</p> <p>Airport Category:</p> <ul style="list-style-type: none"> <input type="radio"/> NPIAS Part 139 Airport <input type="radio"/> NPIAS Non-Part 139 Airport <input type="radio"/> Non-NPIAS Airport <p>Verification Options: <i>please select an airport category first</i></p> <p>Back Next</p>	



Project Creation Result

Home Projects Help Logout

ANC-124221 : Project Summary

Project Summary SOW / Concurrency Plans Geodetic Control Data Imagery Data Survey Verification

There are no pending actions for you, Thomas.

Project Information

Project Type: New Airport Survey
 Created By: Michael Spangler on 09/14/2011
 Airport: TED STEVENS ANCHORAGE INTL
[View NASR Data for ANC](#)
 Airport Category: NPIAS Part 139 Airport
 Purpose: Airport Airspace Analysis - Vertically Guided
 Verification:

- Geodetic Control
- Imagery
- Survey

Surveyor/Consultant Information

Name	Organization	Phone	
Bill Preston	R&M Consultants	907-646-9638	bpreston@rmconsult.com

Project History & Documents

[Add New Note](#) | [View All History](#) | [View All Documents](#)

Date	User	Action
09/14/2011 12:29 PM	Michael Spangler	Added Consultant to Project
09/14/2011 12:28 PM	Michael Spangler	Created Project

Airport Sponsor Information

Contact Name: Michael Spangler
 Position: Engineering Assistant
 Address: Ted Stevens Anchorage International Airport
 5000 W. International Airport Road
 Anchorage, AK 99502
 Phone: 907-266-2480
 Email: mike.spangler@alaska.gov

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Project Workflow | Step 2: SOW

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ANC-104177 : SOW and Project Concurrency

Project Summary SOW / Concurrency Plans Geodetic Control Data Imagery Data Survey Verification

There are no pending actions for you, Thomas.

Action: Upload Statement of Work [Michael Spangler on 04/26/2010]

Date	Added By	Category	File Name	Description
04/26/2010 01:49 PM	Michael Spangler	Statement of Work	ANC-Statement_of_Work.pdf (0.1MB)	Statement of Work for ANC

Action: Concur Project [Anthony Nguyen on 04/26/2010]

Comments: This project involves proposed data (Expansion of runway end 7R). Please contact and coordinate your task with AGIS support staff when you are ready to submit the final survey data for NGS verification.

Recommend off-line coordination and notification when uploaded

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My Survey Projects | Next Action: Concur?

Home Projects Help Logout Print this page

My Survey Projects

Records 1 to 3 of 3 [-Remove Filter](#) Rows per Page: 20 Page 1 of 1

Project Number	Airport ID	Airport Name	Project Type	Sponsor	City	State	Date Created	Project Status	My Next Action
125612	37AA	POINT THOMPSON AIRSTRIP	New Airport Survey	Javier Fente	DEADHORSE	AK	09/29/2011	SOW / Concurrence	No Action Required
124221	AWC	TED STEVENS ANCHORAGE INTL	New Airport Survey	Michael Spangler	ANCHORAGE	AK	09/14/2011	SOW / Concurrence	No Action Required
113352	UBW	UGNU-KUPARUK	New Airport Survey	Dennis Parrish	KUPARUK	AK	10/12/2010	SOW / Concurrence	No Action Required

No Alaskan SOW's need reviewed!

Apply Filter

Enter text in any column above and click Apply Filter.

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My Survey Projects | Project Concurrence

Home Projects NFDC Help Administration Logout

HGR-100950 : SOW and Project Concurrence

Project Summary **SOW / Concurrence** Plans Geodetic Control Data Imagery Data Survey Verification

Thomas, your next action(s): Concur Project

Action: Upload Statement of Work [Chad Snoke on 04/30/2009]

Date	Added By	Category	File Name	Description
04/30/2009 10:48 AM	Chad Snoke	Statement of Work	Woolpert_SummaryofWork_HGR.pdf (0.1MB)	HGR Statement of Work

Action: Concur Project

1. Add supporting documentation (optional):

+ Add Document (No documents have been added)

2. Add comments (optional) and click either "Approve" or "Do Not Approve" to finish this action:

Approve Do Not Approve

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Project Workflow | In Progress

FAI-103964 : Imagery Plan

Thomas, your next action(s): Submit for Verification

Geodetic Control Plan | **Imagery Plan** | Survey & Quality Control Plan

Action: Upload Imagery Plan [Joseph Norton on 07/08/2010]

Date	Added By	Category	File Name	Size
07/08/2010 05:00 PM	Joseph Norton	Imagery Plan	Fairbanks_Imagery_Plan.pdf	0.1MB

Action: Approve Imagery Plan [Joseph Norton on 07/08/2010]

FAI-103964 : Imagery Data

Thomas, your next action(s): Submit for Verification

Action: Enter Shipping Info / Tracking # [Joseph Norton on 07/08/2010]

Comments: dasd

Action: Approve Imagery Data [Joseph Norton on 07/08/2010]

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Project Workflow | Final Step

ANC-104177 : Survey File Details

There are no pending actions for you, Thomas.

Survey File Upload	Final Report	Survey File Download	Validation Summary	Validation Errors	Survey Viewer
Status: ✔ Survey uploaded successfully.					
Date Processed: 01/18/2011 09:04 PM			Total Features Uploaded:	36920	
Feature Schema: Advisory Circular 150/5300-18B			Number of Valid 5300/18 Features:	36920	
File: ANC-AOC_FAA_2008_Combined.zip			Number of Invalid Features:	0	
Data Format: autocad			Number of Warnings & Errors:	0	
Accuracy: Meets 5300/18					
Coordinate System: AK83-4F					
Description:					

Feature List

AIRCRAFTNONMOVEMENTAREA (20)	GATE (225)	ROOF (580)	SHOULDER (288)
AIRFIELDLIGHT (278)	LANDMARKSEGMENT (61)	RUNWAY (2)	TANKSITE (82)
AIRPORTCONTROLPOINT (20840)	MARKINGAREA (125)	RUNWAYLASTPAD (7)	TAXIWAYELEMENT (118)
APRON (131)	MARKINGLINE (166)	RUNWAYCENTERLINE (3)	TAXIWAYHOLDINGPOSITION (36)
BRIDGE (24)	NAVAIDEQUIPMENT (37)	RUNWAYELEMENT (6)	TAXIWAYINTERSECTION (37)
BUILDING (398)	OBSTACLE (7626)	RUNWAYEND (6)	TOUCHDOWNLIFTOFF (1)
CONSTRUCTIONAREA (5)	OBSTRUCTIONAREA (305)	RUNWAYINTERSECTION (1)	TOWER (36)
COORDINATEGRIDAREA (2293)	OBSTRUCTIONDSURFACE (40)	RUNWAYLABEL (6)	UTILITYLINE (85)
DRIVEWAYAREA (1)	PARKINGLOT (22)	RUNWAYLAHSO (2)	UTILITYPOINT (1507)
ELEVATIONCONTOUR (674)	RESTRICTEDACCESSBOUNDARY (1)	RUNWAYPROTECTAREA (1)	
FENCE (442)	ROADSEGMENT (186)	SHORELINE (27)	

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Downloading Existing Data

- **Airports GIS**
 - if accepted by NGS (sponsor download)
- **NGS/UDDF**
 - if surveyed (NGS website)
- **FAA/AVN**
 - if approach exists (FAA/AVN website)
- **NASR/5010**

The image displays two screenshots of the FAA's Survey Download web interface. The top screenshot shows the 'Survey Download' page for project DFW-100609, with a 'Survey' tab selected and a 'New Download' button. The bottom screenshot shows the 'Download Survey' page for the same project, with a dropdown menu for 'File Format' and 'Coordinate System' open, showing options like 'ESRI Shape', 'Autocad DWG Release2007', 'Microstation DGNv8', and 'KML'.



Lessons Learned

- **Geodetic Control Plans only required if establishing PACS/SACS; if establishing Geodetic Control:**
 - Create as a stand alone project
 - Recommend Project Type - Airside Construction
- **Software may require unneeded plans**
 - If so, upload document indicating “Plan Not Required”
- **Sponsor (Consultant) must Click “Submit” after selecting file for upload**
- **Projects w/o Safety-Critical Data (TW, Apron, etc)**
- **SOW’s at non-NPIAS are auto-approved**



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