Agenda

- Workflow (4 min)
- Website (9 min)
- Best Practices/Lessons Learned (2 min)
Airports GIS Workflow (with Imagery)

1. Develop Project: Table 2-1
2. Create GIS Project/Assign Reps
3. Develop Statement of Work
4. Pre-Coord w/FAA
   - Informal Review
5. Submit SOW
6. SOW Approval
   - SOW Approval
7. Collect, Orthorectify and Submit Stereo Imagery
   - Imagery Approval
   - Data Approved & Available for Use
8. Project Execution and Data Submittal

Implementation Plans

- 16. Geodetic Control
- 17. Imagery
- 18. Survey & QC

Learning Example: Visual #1

Project Execution and Data Submission (with Imagery)

1. NGS Plan Approval
   - Conduct Aerial & Ground Survey
2. Proper Stereo and Orthorectified Aerial Imagery
3. NGS Stereo Imagery Approval
   - Develop Planimetrics, Cadastral and Conduct Airport Airspace Analysis
4. Convert Planimetrics to GIS data with correct topology
5. Attribute Data
6. Submit Data to FAA via Airports GIS

Reference: AECOM HRL eALP Project
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)

- Responsibility of airport sponsor/operator (can be delegated to State through LOA)

Note:
Challenges
with Proposed
Facilities
**Project Creation Result**

**Project Workflow | Step 2: SOW**

- **Recommend off-line coordination and notification when uploaded**
### My Survey Projects | Next Action: Concur?

<table>
<thead>
<tr>
<th>Project Number</th>
<th>Airport ID</th>
<th>Airport Name</th>
<th>Project Type</th>
<th>Sponsor</th>
<th>City</th>
<th>State Code</th>
<th>Created Date</th>
<th>Next Action</th>
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<td>AK</td>
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No Alaskan SOW's need reviewed!

### My Survey Projects | Project Concurrence

![Project Concurrence Screen](image)

Federal Aviation Administration
Regional Workshop - AAL
October 19-20, 2011
Survey Tab | Survey Viewer Sub-tab

Expectations | Review, Verification, Validation, Acceptance

<table>
<thead>
<tr>
<th>Task</th>
<th>Expectation</th>
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<tbody>
<tr>
<td>Statement of Work</td>
<td>1 Week</td>
</tr>
<tr>
<td>Plans (-16, -17, -18)</td>
<td>2 Weeks</td>
</tr>
<tr>
<td>Stereo Imagery</td>
<td>1 Month</td>
</tr>
<tr>
<td>Data / GIS Schema</td>
<td>1 Month</td>
</tr>
<tr>
<td>NGS independently verifies/Validates safety-critical data (runway end coordinates, profile, NAVAIDS, obstacles, etc.)</td>
<td></td>
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</table>
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

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