

## **PACS and SACS Project:**

When creating a survey, project type can be selected as PACS & SACS project. The project workflow is a standard workflow, but simpler. The only requirement for the surveyor to submit is statement of work, Geodetic Control Plan and Geodetic Control Data for review and approval. No other plans are required for this project type.

### **About PACS and SACS**

PACS and SACS are control stations established near an airport and tied directly to the National Spatial Reference System (NSRS).

PACS stands for Primary Airport Control Station

SACS stands for Secondary Airport Control Station

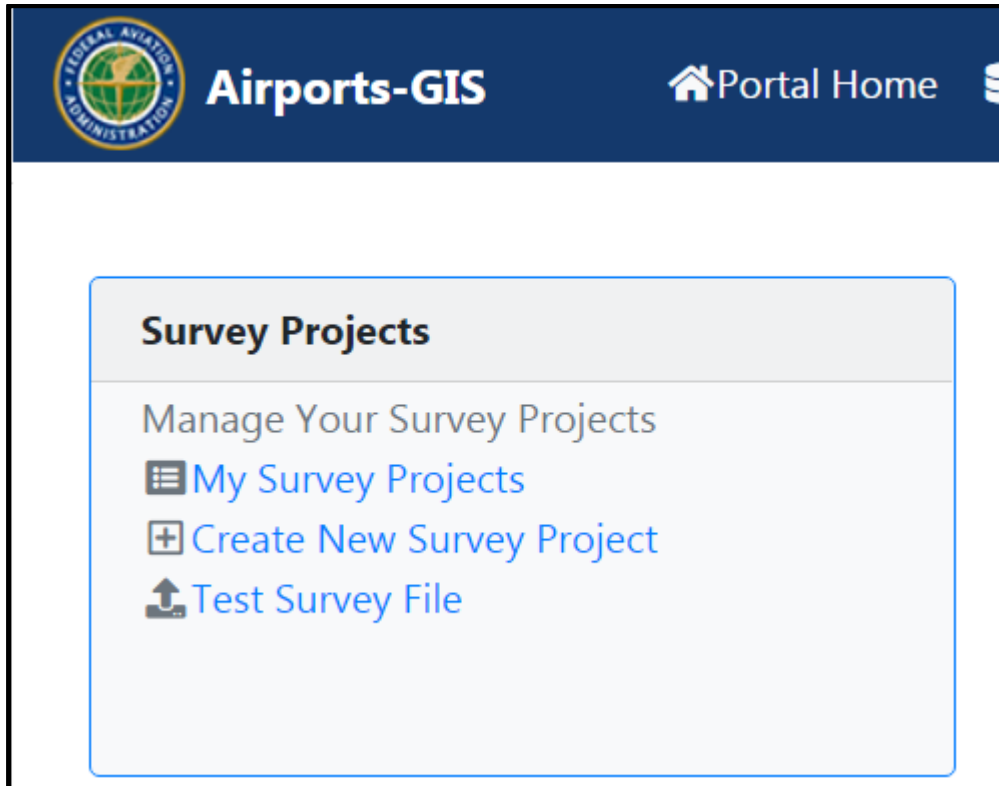
The control consists of permanent marks with precisely determined latitudes, longitudes, and elevations. PACS and SACS are designated by NGS to meet specific siting, construction, and accuracy requirements.

*Typical NGS Permanent Mark, a Bronze Disk*






## Create PACS & SACS Project:

As an Airport Sponsor, Multiple Airport Authority, State block grant or State DOT user, you can create a new project from the **Projects** menu bar, or from the **Survey Projects** pane on the Airports GIS Home page.



The screenshot displays the top navigation bar of the Airports-GIS Portal Home page. On the left is the Federal Aviation Administration logo, followed by the text "Airports-GIS". On the right is a "Portal Home" link with a house icon and a hamburger menu icon. Below the navigation bar is a "Survey Projects" menu pane. The menu items are:

- Manage Your Survey Projects
-  My Survey Projects
-  Create New Survey Project
-  Test Survey File

1. In Step 1 (of 3), enter an Airport ID and select from the list. Check PACS & SACS Project as your Project Type. Click **Next Step** for Step 2.

Note: If sponsor entered an airport that they do not have access, there will be a message “You do not have access to create a project for the airport: DTW - DETROIT METROPOLITAN WAYNE COUNTY (KDTW)”

### Create Project

**Airport & Project Type**

IAD - WASHINGTON DULLES INTL (KIAD)

This is an "auto-lookup" field: type locator ID or airport name.

#### Project Type

- New Airport Survey Project  
This project involves a new airport survey meeting the AC 150/5300-18 standards.
- Existing Airport Data Project  
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.
- EB-91 Vegetation Management Project  
This project involves the removal or topping of vegetation as well as the collection, submission, and management of the supporting data regarding vegetation.
- Design/As Built Airport Data Project  
This project allows an incremental workflow, starting from proposed airport information, adding more detailed and more accurate design information, and culminating in a set of features that represents the as-built state of the airport.
- PACS & SACS Project  
This project is to establish geodetic control for the specified airport.

[Next Step >](#)

2. In Step 2, select your Airport Category. Click **Next Step** for Step 3.

## Create Project

Airport CategoryStep 2 of 3

**Airport Category**

- NPIAS Part 139 Airport
- NPIAS Non-Part 139 Airport
- Non-NPIAS Airport

< Previous Step

Next Step >

3. A confirmation page lets you verify and confirm your project initiation. Click the **Previous Step** button to select different options. Click **Create New Project** to complete the process of creating a PACS & SACS Survey project.

## Create Project

Project Confirmation

Step 3 of 3

Please review and confirm all project data below before submitting!

Project Airport : **IAD - WASHINGTON DULLES INTL (KIAD)**  
Project Type : **PACS & SACS (Geodetic Control)**  
Airport Category : **NPIAS Part 139 Airport**

[← Previous Step](#)

[Create New Project](#)

4. Project Summary will be displayed after the project is created.  
Workflow steps applicable for PACS & SACS Project are:

- Statement of Work
- Geodetic Control Plan
- Geodetic Control Data
- Verification.



Project Summary

Statement Of Work

Geodetic Control Plan

Geodetic Control Data

Verification

In-Progress IAD-213241 : Project Summary

Project Options

PACS and SACS

WASHINGTON DULLES INTL (IAD)

Created by Demo Airport Sponsor on Today 1:54 PM

Category: NPIAS Part 139 Airport

Geodetic Control Verification Required

Project Sponsor

Demo Airport Sponsor

Testing
123 Main Street NW
Herndon, VA 20170
123-456-7890
demoairportponsor@cghtech.com

Surveyor/Consultant Information

Add Surveyor/Consultant

No Surveyors are currently assigned to the project

Project Activity

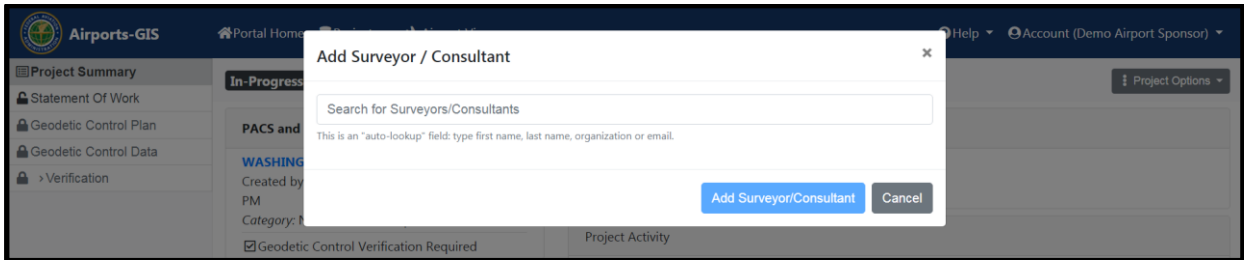
Add Note

Table with 3 columns: Date, User, Action. Row 1: Today 1:54 PM, Demo Airport Sponsor, Created Project

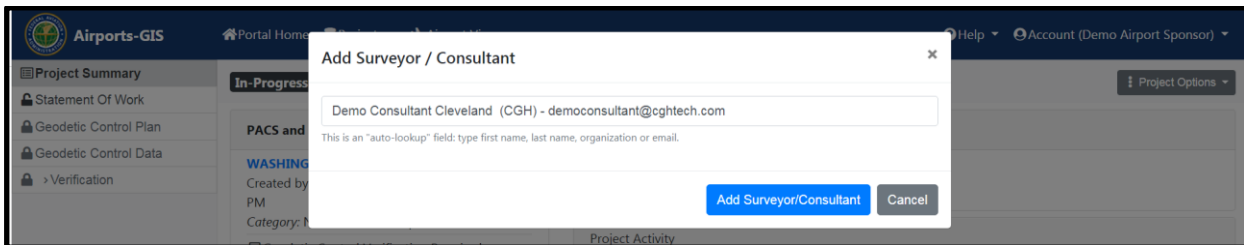
## Delegate a Consultant or Surveyor

After the Project is created by the Airport sponsor, State DOT, State block grant or Multiple Airport Authority, a consultant can be assigned to the project by clicking “+Add Surveyor/Consultant” under the Surveyor/Consultant Information from the Project Summary workflow step.

1. Click on **+Add Surveyor/Consultant** button.



2. Enter first name, last name, organization or email as search criteria. Consultant can be selected from the displayed list.



3. Click on Add Surveyor/Consultant to add the consultant to the project.

Note: You can delegate to another surveyor or consultant by repeating the above step. Assigned consultant can be removed by clicking on the recycle icon under Action column.

The screenshot displays the 'Airports-GIS' web application interface. The top navigation bar includes 'Portal Home', 'Projects', and 'Airport View'. The main content area is titled 'In-Progress IAD-213241 : Project Summary'. On the left, a sidebar lists navigation options: 'Project Summary', 'Statement Of Work', 'Geodetic Control Plan', 'Geodetic Control Data', and 'Verification'. The main content is divided into several sections:

- PACS and SACS**: Contains 'WASHINGTON DULLES INTL (IAD)', creation details, category 'NPIAS Part 139 Airport', and a checked box for 'Geodetic Control Verification Required'.
- Project Sponsor**: Lists 'Demo Airport Sponsor' with contact information: 'Testing', '123 Main Street NW, Herndon, VA 20170', '123-456-7890', and email 'demoairportsponsor@cghtech.com'.
- Surveyor/Consultant Information**: Features an 'Add Surveyor/Consultant' button and a table with columns: Name, Organization, Phone, Email, and Action. A row shows 'Demo Consultant Cleveland' from 'CGH' with phone '123-456-7890' and email 'democonsultant@cghtech.com', accompanied by a trash icon.
- Project Activity**: Features an 'Add Note' button and a table with columns: Date, User, and Action. Two entries are shown: 'Today 2:03 PM' by 'Demo Airport Sponsor' for 'Added Consultant to Project', and 'Today 1:54 PM' by 'Demo Airport Sponsor' for 'Created Project'.