

# **Leidos Flight Service (LFS)**

## **Web User Guide**

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# LFS Web User Guide

## 1. Feedback

Leidos Flight Service encourages all users to provide feedback so that we can continue to enhance the service offerings and user experience of our website.

**1800wxbrief.com Help / Feedback**

Answering your questions is important to us and we welcome and appreciate your ideas for improving 1800wxbrief.com. Please include contact information if you would like us to follow up with you.

Name:

Email Address:


Phone Number:

Date / Time of Problem:

Aircraft ID:

\* Please provide your comments or questions below:

\* Confirm image text below:



Cannot read the image? Click it to get a new one.  
Text is case-insensitive.

\* Indicates required field

Please perform the following steps to provide feedback.

- Select Request Help or Submit Feedback link near the bottom of the Home page
- Provide answers to feedback questions
- Click Submit button

## 2. Account Registration, Password Management, and Login

### a. Account Registration

To register for a new account, simply select the [Create New Account](#) link in the Leidos Pilot Web login box near the top right of the Home page.

[Home](#)
[Dashboard](#)
[Map](#)
[Wx Charts](#)
[Plan & Brief](#)
[Airports](#)
[Account](#)
[Features](#)
[Links](#)
[Help](#)

Thu Mar 09 09:22:31 EST | 14:22:31 Z

### Featured Capabilities

NextGen Briefing

Interactive Map

Automated Voice Service

SMS Text Message Service

Latest Features & Enhancements

### Resources

Service Provider Integration

How-To Videos

Student Pilot Journey Poster

Pilot Tip Cards

Phone Numbers & Quick Steps

### News & Announcements

October 11, 2022

#### IFR WINGS Course

Flight Service is pleased to announce the launch of a new IFR WINGS course by the FAA that's designed to truly fill in the gap between pilots and their comfort with weather. The course, Conducting Preflight Self-Briefings for IFR Pilots, primarily consists of scenario-based training designed to put you in plausible scenarios where the correct "Go/No-Go" answer isn't always immediately clear. This is an excellent tool for CFI's, CFII's, IFR Students, or ANY pilot looking for a refresher. This course is worth your time.

[READ MORE >](#)

July 12, 2022

#### Useful Resource Additions

We've added several helpful links and useful references in an effort to give our users access to every resource possible not only while planning and preparing for a flight, but also during the never ending learning process. Here's a quick summary of the new additions; we think you'll find them both useful and convenient.

[READ MORE >](#)

May 25, 2022

#### Call Director System Upgrade

On 06/08/2022, Leidos Flight Service will release an update to the automated call director system that will provide pilots with an improved experience by using their area code to route their call to the correct state and subsequent briefing sector.

[READ MORE >](#)

### Login

Username

[Create Account](#)

Your Email Address

Password

[Forgot/Reset Password](#)

Login

### Upcoming Events

There are no upcoming events.

### Featured Video

©2023 Leidos
Privacy Statement
User Disclaimer
Contact Us
Request Help or Submit Feedback
SAFETY - EFFICIENCY - INNOVATION

Username

[Create Account](#)

Your Email Address

Password

[Forgot/Reset Password](#)

Login

If pilot has an existing call-in profile with LFS, the system will link the web account and profile when web account is created.

**Account Creation**

If you have an existing Leidos Flight Service call-in profile, we will match that profile to this account based on either the Email Address OR the combination of the Last Name, Phone Number, and Aircraft ID.

[What is a Leidos Flight Service call-in profile?](#)

Email Address

Confirm Email Address


Last Name or Organization

Phone Number  
 **Mobile** ▼

Aircraft ID (optional)

Home Base Phone Number

Confirm Image Text Below



Cannot read the image? Click it to get a new one.  
Text is case-insensitive.

[Click here to return to Login page](#)

[Create Account](#)

## b. Login

The Leidos Pilot Web login box appears near the top right of the Home page when you are not logged in. Your username is the email address associated with your account. Once you have logged in, the login box is no longer displayed.

Username [Create Account](#)

Password [Forgot/Reset Password](#)

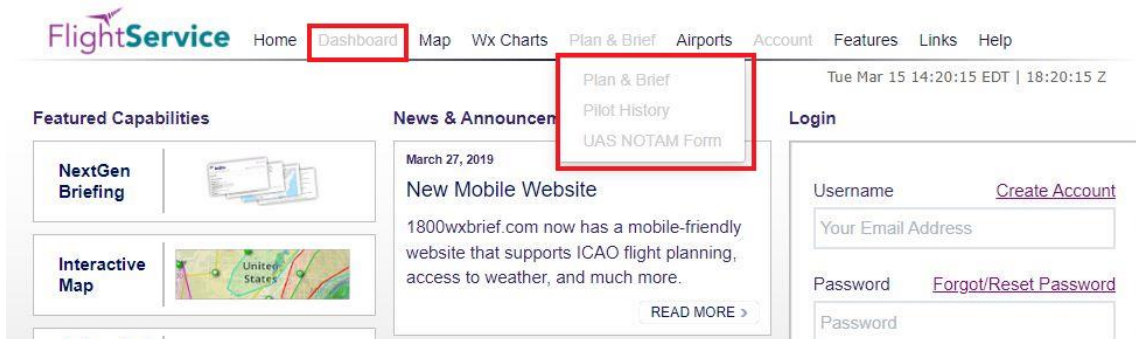
[Login](#)

If the user is not logged in, "Login" link appears at the right corner of the menu bar from the following pages.

- Weather
- Airports
- Announcements
- Contractions Lookup

When the Login link is clicked on, the user is navigated to Home page.

Some functionality on the website is not available if you are not logged in. These items will appear grayed out in the menu bar (see graphic below), and clicking them will have no effect. Once you have logged in, they will not be grayed and will be clickable.



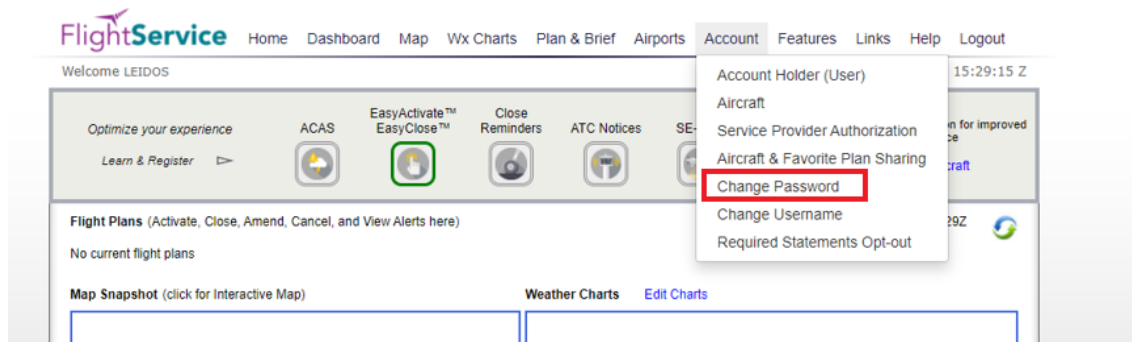
### c. Forgotten Password

If you have a need to reset your password for an existing account, select the [Forgot/Reset](#) link in the Leidos Pilot Web login box near the top right of the Home page.

A new default password will be sent to the email account associated with the existing account. The next time you sign in using this account, use the new default password from the email. The system will immediately display the Change Password and Acknowledge Terms of Agreement page before allowing any other action. If not, you will need to change your password using the Account Tab.

### d. Change Password

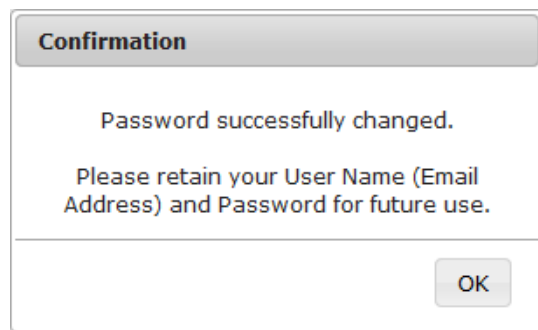
Hovering over the Account tab on the menu displays the Change Password link, as shown below.



Once clicked, the change password page is displayed where users can enter a new password. The password criteria are also listed on the page.

 A screenshot of the 'Change Password' page. It features a heading 'Change Password' and a prompt 'Please enter a new Password'. Below this is a text box containing password criteria: 'The password must meet the following criteria: Must be between 8 to 32 alphanumeric characters. Must contain at least three of four of the following types of characters: Uppercase letters, Lowercase letters, Numbers, Special characters. Cannot be the same as your current password. Your most recent 12 passwords cannot be reused. Three incorrect login attempts will lock your account.' There are two input fields labeled '\* Password:' and '\* Confirm Password:', followed by a 'Save' button.

Users have to enter the new password twice to confirm the spelling. If the new password entered matches, users have to click the Save button. If successful, the change password page remains displayed with the password input fields blanked out, and a password changed confirmation dialog displayed. When OK is selected in the dialog, the change password page remains displayed.



From there users can navigate to anywhere on the site.

Users can change their passwords as many times as they want/need as long as the following criteria are met:

- Passwords must be between 8 to 32 alphanumeric characters.
- Must contain at least three of four of the following types of characters:
  - Uppercase letters, Lowercase letters, Numbers, Special characters.
- Cannot be the same as your current password.
- Your most recent 12 passwords cannot be reused.

Three incorrect login attempts will lock your account.  
If the passwords do not match or fail validation, the screen will remain the same with a failure message.

#### Change Password

There are errors in the submitted data.  
Please enter a new Password

The password must meet the following criteria:  
Must be between 8 to 32 alphanumeric characters.  
Must contain at least three of four of the following types of characters:  
Uppercase letters, Lowercase letters, Numbers, Special characters.  
Cannot be the same as your current password.  
Your most recent 12 passwords cannot be reused.  
Three incorrect login attempts will lock your account.

\* Password:   
Must be 8 or more characters

\* Confirm Password:   
Required

Save

#### Change Password

There are errors in the submitted data.  
Please enter a new Password

The password must meet the following criteria:  
Must be between 8 to 32 alphanumeric characters.  
Must contain at least three of four of the following types of characters:  
Uppercase letters, Lowercase letters, Numbers, Special characters.  
Cannot be the same as your current password.  
Your most recent 12 passwords cannot be reused.  
Three incorrect login attempts will lock your account.

\* Password:   
At least 3 of 4: uppercase, lowercase, numbers, special characters

\* Confirm Password:   
Required

Save

If the password criteria are not met, the screen will remain the same with a failure message and the password rules.

Change Password  
Failed to change your password.

The password must meet the following criteria:

- Must be between 8 to 32 alphanumeric characters.
- Must contain at least three of four of the following types of characters:  
Uppercase letters, Lowercase letters, Numbers, Special characters.
- Cannot be the same as your current password.
- Your most recent 12 passwords cannot be reused.

Three incorrect login attempts will lock your account.  
Please enter a new Password

The password must meet the following criteria:  
Must be between 8 to 32 alphanumeric characters.  
Must contain at least three of four of the following types of characters:  
Uppercase letters, Lowercase letters, Numbers, Special characters.  
Cannot be the same as your current password.  
Your most recent 12 passwords cannot be reused.  
Three incorrect login attempts will lock your account.

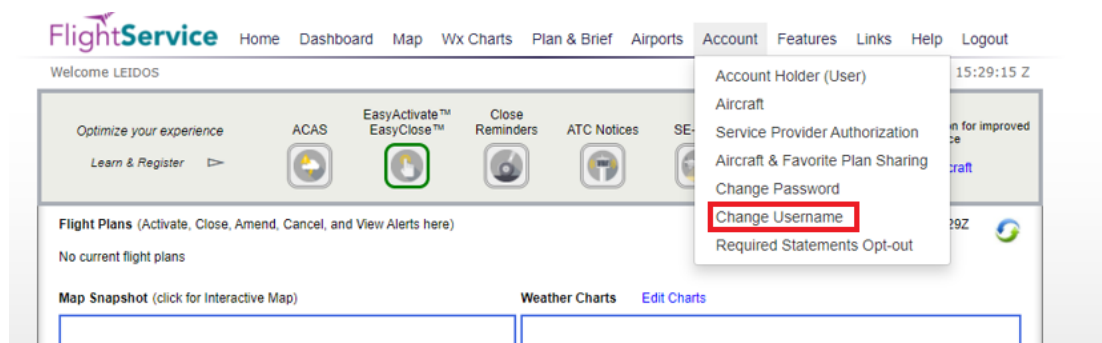
\* Password:

\* Confirm Password:

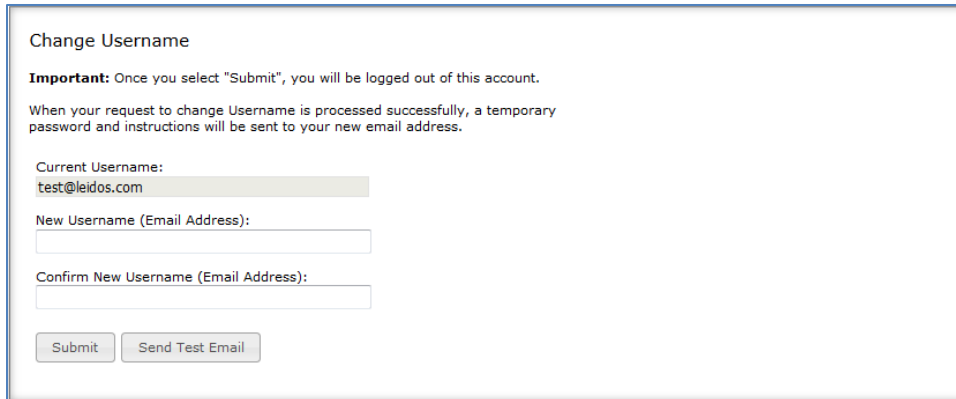
Save

#### e. Change Username

Hovering over the Account tab on the menu displays the “Change Username” link, as shown below:



Once a user clicks the “Change Username” link, the change username page is displayed. This is where a user can change their current username to a new username. The username criterion is a valid email address.

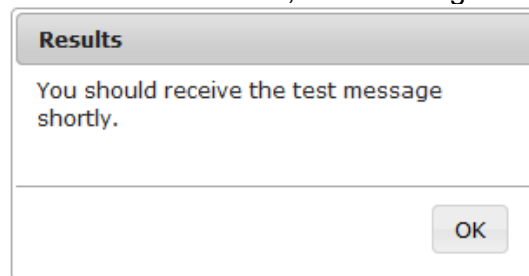


The 'Change Username' form is a web interface for updating a user's account. It features a title 'Change Username' at the top. Below the title is an important notice: 'Important: Once you select "Submit", you will be logged out of this account.' This is followed by a descriptive paragraph: 'When your request to change Username is processed successfully, a temporary password and instructions will be sent to your new email address.' The form contains three input fields: 'Current Username' (pre-filled with 'test@leidos.com'), 'New Username (Email Address):', and 'Confirm New Username (Email Address):'. At the bottom, there are two buttons: 'Submit' and 'Send Test Email'.

Users have to enter the new username twice to confirm the spelling. The users have the following options:

- Click the “Send Test Email” button.
- Click the “Submit” button.

If the user clicks the “Send Test Email” button, the following “Results” dialog is displayed:



The 'Results' dialog box is a small window with a title bar labeled 'Results'. The main text inside reads: 'You should receive the test message shortly.' At the bottom right of the dialog, there is an 'OK' button.

Then an email is sent to the user for contact verification:

From: DO\_NOT\_REPLY@afss.com with the Subject:

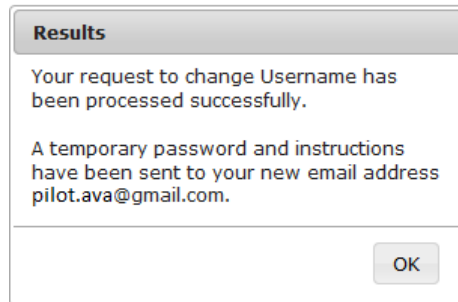
- Leidos Flt Svc Notification

Message received will be similar to the following:

- Leidos Flt Svc Contact Verification Message 092108--Thank you for selecting Leidos Flt Svc

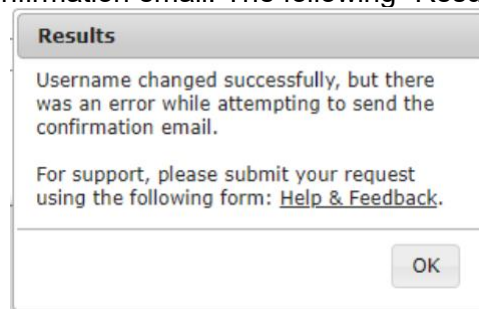
When the “OK” button is selected in the dialog, the change username page remains displayed.

If the user clicks the “Submit” button, and the username changed successfully, the following “Results” dialog is displayed:



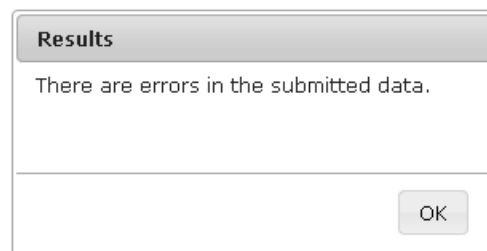
The user is sent a confirmation email containing a temporary password and further instructions. When the "OK" button is selected in the dialog, the user is logged off his or her session, and redirected to the home page where the user may log in using the new username and temporary password sent via email.

If the user clicks the "Submit" button, and the username changed successfully, but there is an error sending the confirmation email. The following "Results" dialog is displayed:



When the "OK" button is selected in the dialog, the change username page remains displayed.

When either the "Test Email" button or "Submit" button is selected, if the usernames do not match or fail validation, the following "Results" dialog is displayed:



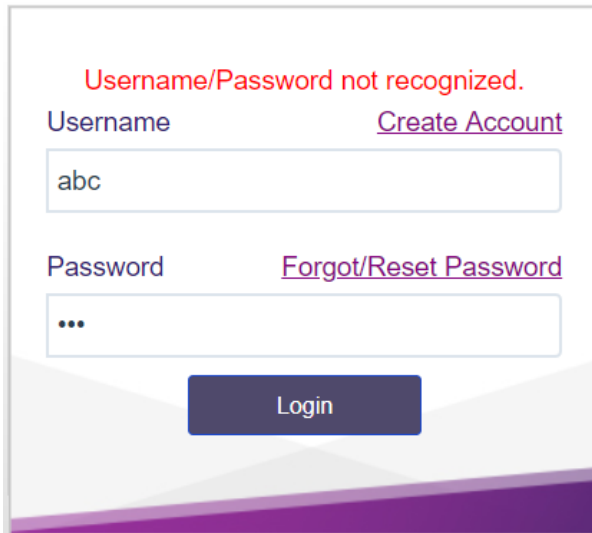
When the "OK" button is selected in the dialog, the change username page remains displayed with one of the following failure messages:

- Cannot reuse current Username
- Username already exists
- Mismatched
- Required
- Invalid



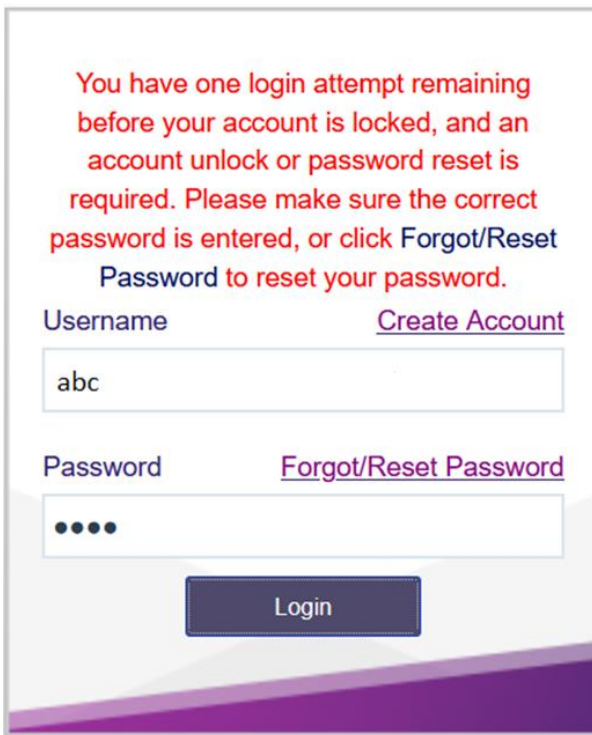
**f. Unlock Your Account**

If you enter an invalid username or password on login, you will see the message “**Username/Password not recognized**” displayed above the Username field. For example:



A screenshot of a login form with a purple gradient background. At the top, a red error message reads "Username/Password not recognized." Below this, the "Username" label is followed by a purple link "Create Account". The username input field contains the text "abc". Below the username field, the "Password" label is followed by a purple link "Forgot/Reset Password". The password input field is masked with three dots "...". A dark blue "Login" button is centered below the password field.

If you are using a valid Username with an invalid password there is a limit to the number of consecutive login failures. When the next failure will cause your account to be locked, the message above the Username entry will be:

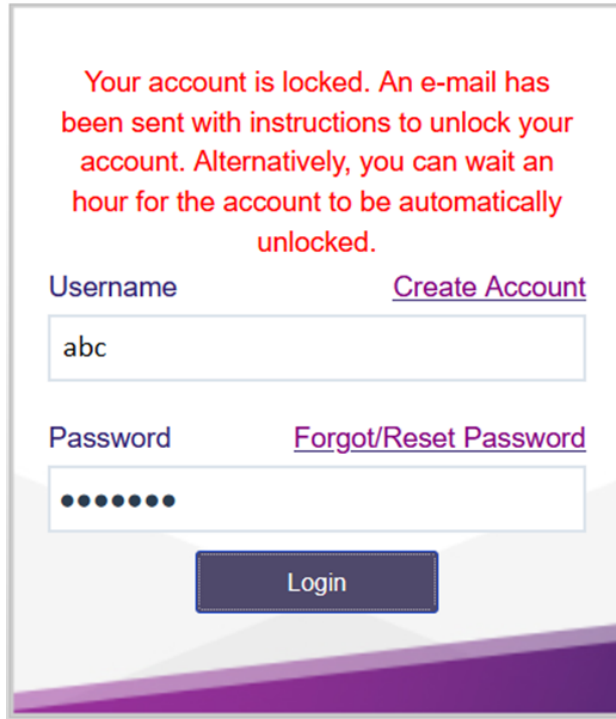


A screenshot of a login form with a purple gradient background. At the top, a red warning message reads: "You have one login attempt remaining before your account is locked, and an account unlock or password reset is required. Please make sure the correct password is entered, or click [Forgot/Reset Password](#) to reset your password." Below this, the "Username" label is followed by a purple link "Create Account". The username input field contains the text "abc". Below the username field, the "Password" label is followed by a purple link "Forgot/Reset Password". The password input field is masked with four dots "....". A dark blue "Login" button is centered below the password field.

After receiving this message, you must enter the current password correctly on your next login attempt or your account will be locked. Using the “Forgot/Reset” link will change your password and provide a temporary password in an email. Before making your third

attempt, you may opt to use the “Forgot/Reset Password” link to change your password to avoid having your account locked. This will result in a new temporary password being sent to you via email.

However, if you enter the incorrect password for a third time, your account will be locked and the following message is displayed above the Username field:



The screenshot shows a login interface with a red error message at the top: "Your account is locked. An e-mail has been sent with instructions to unlock your account. Alternatively, you can wait an hour for the account to be automatically unlocked." Below the message are two input fields: "Username" containing the text "abc" and "Password" which is masked with dots. To the right of the "Username" field is a link "Create Account", and to the right of the "Password" field is a link "Forgot/Reset Password". A "Login" button is centered below the password field. The background of the form has a purple gradient at the bottom.

Your account is locked. An e-mail has been sent with instructions to unlock your account. Alternatively, you can wait an hour for the account to be automatically unlocked.

Username [Create Account](#)

abc

Password [Forgot/Reset Password](#)

.....

Login

After seeing this message, you may either wait one hour and then attempt to log into your account again, or you can follow the instructions in the e-mail message to unlock your account.

### 3. Helpful Videos

To view the Training Videos, select the How-To Videos link under Resources on the Home page.

The screenshot shows the FlightService Home page. The top navigation bar includes links for Home, Dashboard, Map, Wx Charts, Plan & Brief, Airports, Account, Features, Links, and Help. The date and time are displayed as Thu Mar 09 09:22:31 EST | 14:22:31 Z. The page is divided into several sections: Featured Capabilities (NextGen Briefing, Interactive Map, Automated Voice Service, SMS Text Message Service), News & Announcements (October 11, 2022: IFR WINGS Course; July 12, 2022: Useful Resource Additions; May 25, 2022: Call Director System Upgrade), Login, Upcoming Events, and Featured Video. The Resources section on the left lists Service Provider Integration, How-To Videos (highlighted with a red box), Student Pilot Journey Poster, Pilot Tip Cards, and Phone Numbers & Quick Steps. The footer contains copyright information for 2023 Leidos, privacy and disclaimer links, contact information, and social media icons.

You can also select Helpful Videos from the Help menu.

The screenshot shows the FlightService Help menu. The top navigation bar includes links for Home, Dashboard, Map, Wx Charts, Plan & Brief, Airports, Account, Features, Links, Help, and Logout. The date and time are displayed as Tue Sep 29 13:27:31. The Help menu is open, showing options for Announcements, Contractions Lookup, Frequently Asked Questions, Helpful Videos (highlighted with a red box), and User Guide. The main content area shows a welcome message for LEIDOS and a dashboard with various tools like ACAS, EasyActivate™, EasyClose™, Close Reminders, ATC Notices, SE-SAR, Preflight Summaries, and Provide. The footer contains copyright information for 2023 Leidos, privacy and disclaimer links, contact information, and social media icons.

## 4. Contact Us

The contact information for Leidos Flight Service can be found on the website's footer menu by selecting the Contact Us link.

- For flight services support, please contact Leidos Flight Service: 1-800-WX-BRIEF (1-800-992-7433).
- For all other support needs, including technical support, please click on the Help & Feedback link in order to access the Request Help or Submit Feedback form per section 1 of this document.

### Contact Us

To provide feedback or suggestions, or to request Website support, please use the following form: [Help & Feedback](#)

To receive flight plan and weather briefing services from a Specialist, call Flight Service: 800-WX-Brief (800-992-7433)

Specialist support is available 24 hours/day, 7 days/week.

Server: RKP001

Release: fs21.FltScape Server - Nightly

Build.trunk.2599.2020-07-17T03:00:00.938Z, pw.PilotWeb - Nightly

Build.trunk.1792.2020-07-17T07:40:03.517Z

OK

## 5. Home Page

### a. News and Information

The Home page contains news and information about Leidos Flight Service. On this page are Featured Capabilities, Resources, News & Announcements, Upcoming Events, and Featured Video. If you are not logged on, the Leidos Pilot Web login box appears on this page. For more information about logging in, see the “Account Registration, Password Management, and Login” section of this guide.



Additionally, the home page has 3 different column layouts depending on the size of the browser window. If the window is full size, it will show all 3 columns as seen in the graphic above. If the browser is shrunk slightly smaller, it will bump down to a 2 column layout, and will bump down once more to a single column if the window is made even smaller. Note that all of the Home page content is still available, it is just pushed down the page in order to fit the smaller column layout. You can see examples of the 2 and 1 column layouts below.

Thu Mar 09 09:28:02 EST | 14:28:02 Z

Upcoming Events

There are no upcoming events.

Featured Capabilities

NextGen Briefing

Interactive Map

Automated Voice Service

SMS Text Message Service

Latest Features & Enhancements

Resources

Service Provider Integration

How-To Videos

Student Pilot Journey Poster

Pilot Tip Cards

Phone Numbers & Quick Steps

Login

Username

Your Email Address

Password

Password

Login

[Create Account](#)
[Forgot/Reset Password](#)

News & Announcements

October 11, 2022

IFR WINGS Course

Flight Service is pleased to announce the launch of a new IFR WINGS course by the FAA that's designed to truly fill in the gap between pilots and their comfort with weather. The course, Conducting Preflight Self-Briefings for IFR Pilots, primarily consists of scenario-based training designed to put you in plausible scenarios where the correct "Go/No-Go" answer isn't always immediately clear. This is an excellent tool for CFI's, CFII's, IFR Students, or ANY pilot looking for a refresher. This course is worth your time.

READ MORE >

July 12, 2022

Useful Resource Additions

Wed Sep 30 11:48:00 CDT | 16:48:00 Z

Login

Username

Your Email Address

Password

Password

Login

[Create Account](#)
[Forgot/Reset Password](#)

News & Announcements

March 27, 2019

New Mobile Website

1800wxbrief.com now has a mobile-friendly website that supports ICAO flight planning, access to weather, and much more.

READ MORE >

March 27, 2019

New Voice Applications

Leidos Flight Service has new features available on Alexa and Google Assistant.

READ MORE >

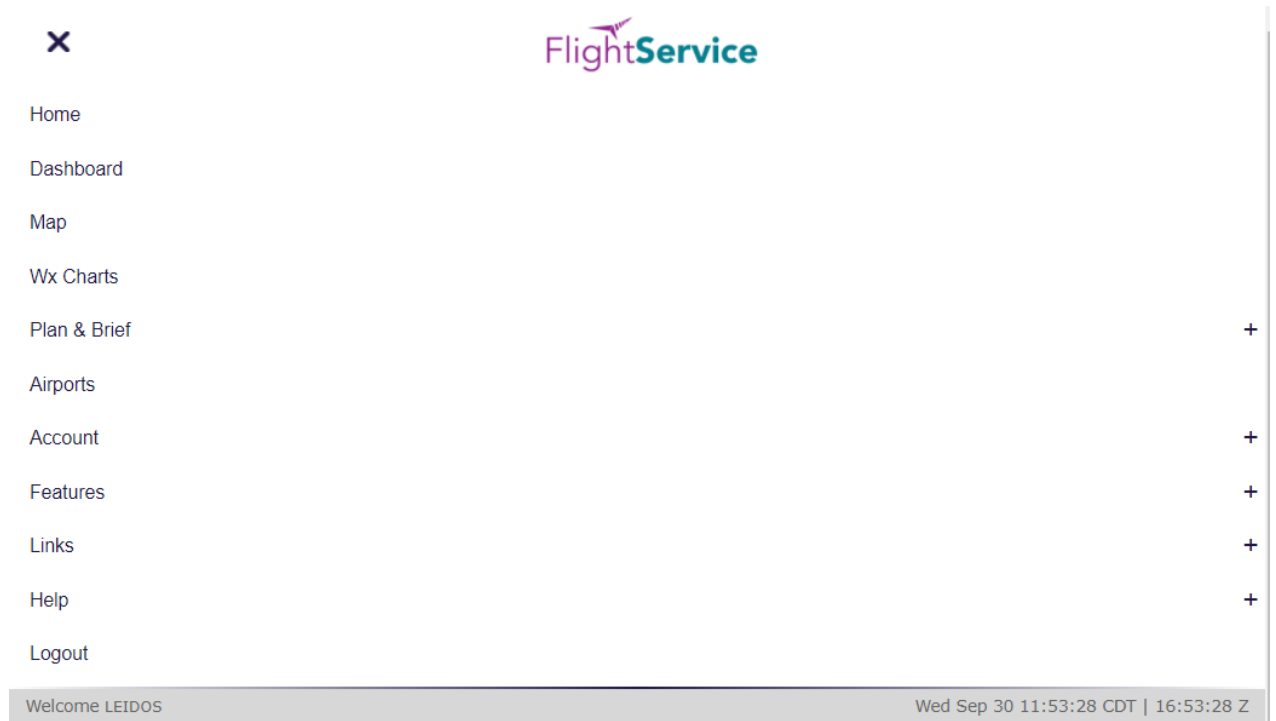
© 2023 Leidos

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There is also a layout for thin window sizes across the entire PilotWeb website. If the window size goes below a certain pixel threshold, the header will collapse into a hamburger menu located on the top left side of the window, shown below.



Here is a graphic of the hamburger menu once opened.



The footer collapses into a stacked bank of links on the bottom left of the window as seen below.



**b. Links**

At the bottom of the Home page are links for Feedback and Contacts. Reference the Feedback section of this document for more information on leaving feedback.





### c. System Alerts

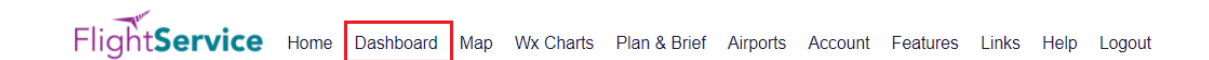
If Leidos Flight Service is experiencing temporary technical difficulties, a message will be displayed on the Home page to notify users of the issue. For example, if there is a US NOTAM Service Interruption, a notification will be displayed below the “Welcome...” message. The following is an example of such a message.

Receipt of weather or NOTAM data was recently restored so some briefing information may not be accurate or complete. If flying in foreign airspace, information should be secured at the first available opportunity from the country in whose airspace the flight will be conducted.

Weather/NOTAM data may not be accurate or complete in areas within or outside of the Continental U.S. due to a loss of incoming data at Tue May 10 02:25:15 Z. A check of conditions prior to departure may be warranted.

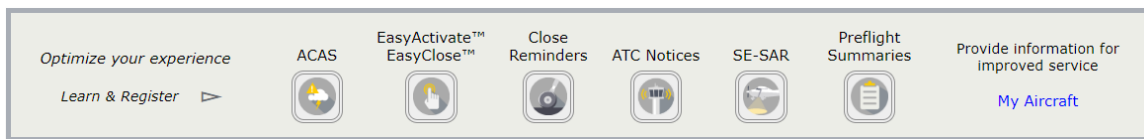
When the Service is resumed, the message will not be displayed.

## 6. Dashboard Page








Once you have successfully logged in, the default webpage is the Dashboard page, which can also be selected at any time by clicking on the tab towards the top of the page labeled Dashboard.

The Advanced Services Dashboard allows the user to register for alerts and notifications.





Any Active or Proposed Flights associated with your profile can be found here along with any charts, if configured in the Edit Charts popup, or METARs, TAFs, and NOTAMs if configured in the Edit Airports pop-up.


Activate, Close, Amend, Cancel, and View Alerts for your Flight Plans here									
Last updated at 12:24Z 									
Active			TEST01	KJFK to KLAX	VFR	ETA -	JUL 03 1820 EDT JUL 03 2220 Z	Close	- Select an Action -
Proposed			AC123	BOS to SEA	MVFR	ETD -	JUL 03 1500 EDT JUL 03 1900 Z	Activate	- Select an Action -
Briefing			AC123	SFO to SEA	MVFR	SCH -	JUL 04 1500 EDT JUL 04 1900 Z		- Select an Action -

If any Active flight has gone into Search and Rescue status, then a red exclamation icon will be displayed to the left of the flight's aircraft ID and an alert message will be displayed at the top left of the Dashboard page.



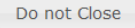


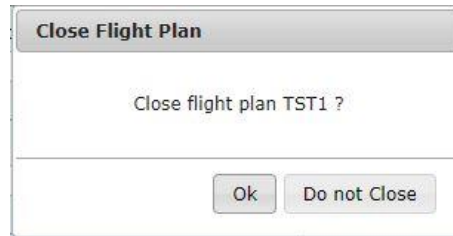
Activate, Close, Amend, Cancel, and View Alerts for your Flight Plans here
Last updated at 15:18Z


 Search & Rescue procedures have been initiated for AC123. Please close the flight plan, extend the ETA, or contact Flight Service at 800-WX-Brief (800-992-7433).

Active	 AC123	ORD to JFK	VFR ETA -	JUL 07 1044 EDT JUL 07 1444 Z	Close	- Select an Action -	Go
--------	---	------------	-----------	----------------------------------	-------	----------------------	----

## a. Flight Plan List

- i. The Flight Plan list is read-only.
- ii. It is displayed in the following order:
  - a) Active flight plans
  - b) Proposed flight plans
  - c) Scheduled email briefs (Reference section **Briefing Output** for more details)
- iii. The primary sort for the Active Flights list is the ETA column in ascending order. The secondary sort is the ACID in ascending order. The primary sort for the Proposed Flights and Scheduled Email Briefings is the ETD column in ascending order. The secondary sort is the ACID in ascending order.
- iv. The flight plans display the following data (from left to right):
  - a) Flight state: Active, Proposed, or Briefing
  - b) Alerts: An icon is displayed when there are alerts for the flight plan. This is only applicable to active and proposed flight plans.
  - c) Email icon: An email icon is displayed if there are scheduled email briefings associated with the flight plan. A scheduled email briefing can be associated with an active flight plan, proposed flight plan, or other scheduled email briefings. It is matched with another flight plan if it shares the same ACID, Departure, Destination, Route, and ETD.
  - d) ACID: The Aircraft Identifier
  - e) Departure to Destination: The departure point will be displayed, followed by “to”, followed by the destination point.
  - f) Flight rule: The flight rule for the flight plan
  - g) ETA or ETD: For active flight plans, the ETA in the user’s time zone and UTC time zone will be displayed. For proposed flight plans and scheduled email briefings, the ETD in the user’s time zone and the UTC time zone will be displayed.
  - h) Action Button: The  button is displayed for flights in the active state. When the user clicks the Close button, the system displays the Close confirmation dialog with  and  buttons. This helps ensure every opportunity is available to avoid accidentally closing an Active Flight Plan prematurely.



Reference **Closing an Active VFR Flight Plan** for more details on closing a Flight Plan.

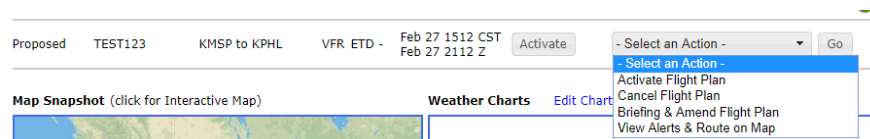
The Activate button is displayed for flights in the proposed state.

The user can activate a proposed flight plan by clicking the Activate button from the Dashboard page. When a user clicks on the **Activate** button, the flight plan is validated. If there are validation errors, the user will be redirected to the Flight Plan & Briefing page. If no errors exist, an activation dialog is displayed to allow the user to change the activation time (HHMM) to +/- 30 minutes of the current time.

A dialog box titled "Activate Flight Plan TEST02 ATL" with the text "Activation time must be within +/- 30 minutes of the current time". It contains two input fields: "Activation Date (MM/DD/YYYY): 06/10/2014" and "Activation Time (HHMM): 0006" with a dropdown menu showing "EDT". At the bottom are "Ok" and "Do not Activate" buttons.

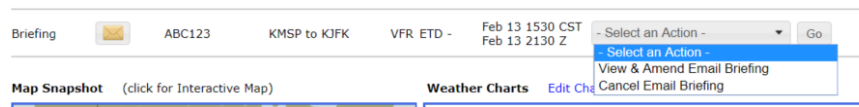
Reference **Activating a Proposed VFR Flight Plan** for more details on activation of proposed flight plans. Reference **Flight Planning Restrictions** for restrictions on activating proposed flight plans.

- i) Drop down menu: A drop down menu will provide several options depending on the flight plan type.
  - (1) Active flight plans will have the following options:
    - (a) Activate the flight plan
    - (b) Cancel the flight plan
    - (c) Briefing & Amend Flight Plan redirected to the tab Plan & Brief
    - (d) View the alerts (reference Route alerts for details) for the flight along its route



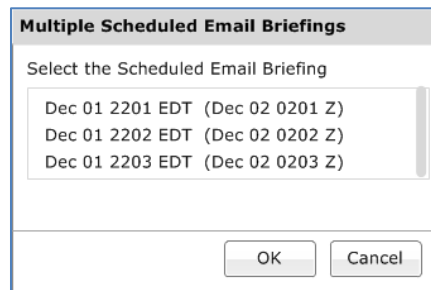
- (2) Scheduled email briefings will have the following options:
  - (a) Amend email briefings (if any are associated with the flight)

- (b) Cancel email briefings. Reference section **Multiple Scheduled Email Briefings Dialog**: for details on trying to amend/cancel email briefs when there are multiple associated scheduled briefs with a flight plan.



- j) “Go” button: The Go button activates the action that was selected from the drop down menu.
- v. Multiple Scheduled Email Briefings Dialog:

If the email icon or the amend/cancel email briefing action is selected and there is more than one scheduled email associated with the flight plan, the following dialog is displayed:




The briefing time for each scheduled email brief is displayed in chronological order. The format for the briefing time is the system time, followed by the UTC time in parenthesis. The user can select one of the times and then press “OK”. At this point the appropriate dialog (View & Amend Email Briefing or Cancel Email Briefing) will be displayed. The user can then follow the usual steps for amending or canceling an email briefing.

## b. Route Alerts

Alerts for Flight plans are available on the Dashboard page if configured in accordance with pilot’s Dashboard -> Advanced Services Dashboard.

Notices for ATC route changes are available on the Dashboard page for users that have registered to receive ATC Notices. For more information on registering for ATC Notices, see the "Advanced Services Dashboard" section of this guide.

The  is displayed when there are alerts for a particular flight plan. Clicking on the button displays a dialog from which the alerts can be viewed and acknowledged. The alerts and notices window presents text alerts on the left and a map area on the right, with previous/next controls to step through the alerts. When the “Don’t Show This Alert Again” button is clicked, the text added next to the alert number indicates that the alert has been acknowledged. The acknowledged alert will remain in the dialog while the dialog remains open and is still selectable via the arrow buttons, but the alert will be suppressed when the dialog is opened in the future.

Alerts and Notices

1 of 19

VFR AC123 C182/S/A KMSP 251600 A100 KJFK 251800

WARNING: NO PRIOR BRIEFING

Don't Show This Alert Again

Request a new briefing to view the latest weather conditions

ITEM 1 -

WAUS44 KCCI 251445

DFWT WA 251445

AIRMET TANGO UPDT 2 FOR TURB VALID UNTIL 252100

AIRMET TURB...TN ND SD NE KS MN IA MO WI LM MI IL IN KY

FROM 40ESE DLH TO DXO TO FWA TO CVG TO HNN TO HMV TO GQO TO

30WNW SGF TO 30W GCK TO GLD TO BFF TO 70SW RAP TO 70SW DIK TO

40ESE DLH

MOD TURB BTN FL210 AND FL410. CONDS CONTG BYD 21Z THRU 03Z.

....

ITEM 2 -

WAUS43 KCCI 251445

CHIT WA 251445

AIRMET TANGO UPDT 2 FOR TURB AND LLWS VALID UNTIL 252100

AIRMET TURB...ND SD NE KS MN IA MO WI LM MI IL IN

Topo VFR Aerial Street

+

-

K AC123

KJFK

Close

### c. Weather Charts

The Weather Charts section displays small versions of your favorite weather charts as shown below. As a new user, the system will provide you with four default weather charts, two of which are shown. The default charts show the most recent versions of US WEATHER DEPICTION, US SURFACE ANALYSIS, 12 HR SURFACE PROG, and 12 HR LOW LEVEL SIG PROG. Selecting an image will open a new popup window with a larger version of the chart. Only two charts will be shown on the dashboard at a time. You may click the blue arrows next to the charts in order to scroll through the four chart options.

#### Weather Charts [Edit Charts](#)

U.S. Weather Depiction

U.S. Surface Analysis

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You may change the weather charts to your own personal selection from the Weather Charts pop-up window by selecting the [Edit Charts](#) link on the Dashboard page. Each Weather Chart dropdown includes charts for both CONUS and Alaska.

**Weather Charts** pop-up window.

Weather Charts

Chart 1

Weather Chart Type:U.S. Weather Depiction

Chart 2

Weather Chart Type:U.S. Surface Analysis

Chart 3

Weather Chart Type:12 Hr Surface Prog

Chart 4

Weather Chart Type:12 Hr Low Level Sig Prog

Save

Cancel

**d. Quick Search – METARS, TAFs, D-NOTAMs**

Quick Search -  
METARS, TAFs, D-NOTAMs

KMSP SEA 4114N07656W KMSP090001

Search

☒ METAR☐ TAF☐ D-NOTAM

The Quick Search section allows location entry of multiple Airport Ids, FRDs and Lat/Longs where METAR, TAF, and D-NOTAM data can be requested on-demand. When entering text into the search bar the 

Search

 button will be enabled. Once the 

Search

 button is clicked the Quick Data Results page will open and is displayed showing METAR, TAF and D-NOTAM information based on the selected checkbox type ☒ METAR ☐ TAF ☐ D-NOTAM. Also, as a new user, the METAR, TAF, and D-NOTAM text is shown by default in plain-text translation. Users also have the ability to view the METAR, TAF, and D-NOTAM text without plain-text translation by deselecting the ☐ Plain Text checkbox on the data results page.

The following image shows data return from a search using a valid location and invalid location with all data types selected including 'Plain Text'.

Enter ICAO/Domestic Airport IDs, FRDs, or Lat/Longs to retrieve METAR, TAF, and D-NOTAM data Updated 19:39Z

KMSP ABCDEF

Invalid airports: ABCDEF

☒ METAR ☒ TAF ☒ D-NOTAM ☒ Plain Text

**KMSP (Density Altitude: 2147 ft)**

**VFR** May 12, 1853Z (13:53 CDT). Wind from 040° at 19 knots with gusts to 30 knots, 10 statute miles visibility, Few Clouds at 1,800 feet, Scattered Clouds at 18,000 feet, Ceiling is Broken at 25,000 feet, Temperature 22°C, Dewpoint 16°C, Altimeter is 29.88. Remarks: automated station with precipitation discriminator peak wind from 040° at 40 knots at 1836Z (13:36 CDT) sea level pressure 1011.4 hectopascals CB distant northeast towering cumulus distant E-southeast hourly temp 21.7°C dewpoint 16.1°C

Issued May 12, 1736Z (12:36 CDT), valid from May 12, 1800Z (13:00 CDT) until May 14, 0000Z (May 13, 19:00 CDT), Wind from 140° at 13 knots with gusts to 24 knots, greater than 6 statute miles visibility, Scattered Clouds at 25,000 feet

From May 13, 0300Z (May 12, 22:00 CDT), Wind from 170° at 11 knots, greater than 6 statute miles visibility, Light Showers Rain, Ceiling is Broken at 6,000 feet Temporary between May 13, 0300Z (May 12, 22:00 CDT) and May 13, 0600Z (01:00 CDT), Wind from 170° at 20 knots with gusts to 40 knots, 3 statute miles visibility, Thunderstorms and Light Rain, Ceiling is Broken at 5,000 feet Cumulonimbus

From May 13, 1000Z (05:00 CDT), Wind from 190° at 8 knots, greater than 6 statute miles visibility, Ceiling is Broken at 10,000 feet

From May 13, 1400Z (09:00 CDT), Wind from 240° at 11 knots, greater than 6 statute miles visibility, Scattered Clouds at 25,000 feet.

MSP 05/131 KMSP Runway 04/22 closed except taxi 30 minute prior permission required May 10, 2022 0255Z (May 9, 21:55 CDT) to Dec 31, 2022 2300Z (18:00 CDT) Estimated



MSP 05/013 KMSP Runway 12R/30L safety area not standard 3 inches lip at runway 30 left precision approach path indicator May 1, 2022 1326Z (08:26 CDT) to Nov 1, 2022 2359Z (18:59 CDT)

MSP 05/012 KMSP Runway 12R/30L safety area ponding between taxiway W2 and taxiway W3 May 1, 2022 1324Z (08:24 CDT) to Nov 1, 2022 2359Z (18:59 CDT)

All valid locations will still return data and will be displayed. If any entered locations are determined to be invalid after submitting the request, an error message “Invalid airports:” will appear below the input field and all invalid locations will be listed.

KMSP ABCDE KSEA FGHIJ

Invalid airports: ABCDE FGHIJ

From the Quick Search data results page, the user has the ability to refresh the current displayed location information by clicking the  button. The user can edit and enter new locations, select plain text translation and type of information to be displayed. Clicking the  button then performs the data request. Note that all data types are returned but only the selected data types will be displayed.

After returning from the location search the display of associated data for the different data types can be toggled on/off independently by selecting the METAR, TAF and/or D-NOTAM check boxes. The display of data will be toggled on or off based on the data type selection. If no data exists for a selected data type, then an entry “No data available for airport” will be displayed for that data type. There is no need to perform another search based on only changing plain text translation or changing data types selections. Note only when updating the input field will a new search have to be initiated.

The following image shows ‘D-NOTAM’ data type toggled off, from the original search.

Enter ICAO/Domestic Airport IDs, FRDs, or Lat/Longs to retrieve METAR, TAF, and D-NOTAM data Updated 19:39Z

KMSP ABCDEF

Invalid airports: ABCDEF

☒ METAR ☒ TAF ☐ D-NOTAM ☒ Plain Text

**KMSP (Density Altitude: 2147 ft)**

**VFR** May 12, 1853Z (13:53 CDT). Wind from 040° at 19 knots with gusts to 30 knots, 10 statute miles visibility, Few Clouds at 1,800 feet, Scattered Clouds at 18,000 feet, Ceiling is Broken at 25,000 feet, Temperature 22°C, Dewpoint 16°C, Altimeter is 29.88. Remarks: automated station with precipitation discriminator peak wind from 040° at 40 knots at 1836Z (13:36 CDT) sea level pressure 1011.4 hectopascals CB distant northeast towering cumulus distant E-southeast hourly temp 21.7°C dewpoint 16.1°C

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Issued May 12, 1736Z (12:36 CDT), valid from May 12, 1800Z (13:00 CDT) until May 14, 0000Z (May 13, 19:00 CDT), Wind from 140° at 13 knots with gusts to 24 knots, greater than 6 statute miles visibility, Scattered Clouds at 25,000 feet

From May 13, 0300Z (May 12, 22:00 CDT), Wind from 170° at 11 knots, greater than 6 statute miles visibility, Light Showers Rain, Ceiling is Broken at 6,000 feet

Temporary between May 13, 0300Z (May 12, 22:00 CDT) and May 13, 0600Z (01:00 CDT), Wind from 170° at 20 knots with gusts to 40 knots, 3 statute miles visibility, Thunderstorms and Light Rain, Ceiling is Broken at 5,000 feet Cumulonimbus

From May 13, 1000Z (05:00 CDT), Wind from 190° at 8 knots, greater than 6 statute miles visibility, Ceiling is Broken at 10,000 feet

From May 13, 1400Z (09:00 CDT), Wind from 240° at 11 knots, greater than 6 statute miles visibility, Scattered Clouds at 25,000 feet.

The following image additionally shows 'Plain Text' toggled off.

Enter ICAO/Domestic Airport IDs, FRDs, or Lat/Longs to retrieve METAR, TAF, and D-NOTAM data Updated 19:39Z

KMSP ABCDEF

Invalid airports: ABCDEF

☒ METAR ☒ TAF ☐ D-NOTAM ☐ Plain Text

**KMSP (Density Altitude: 2147 ft)**

**VFR** KMSP 121853Z 04019G30KT 10SM FEW018 SCT180 BKN250 22/16 A2988 RMK AO2 PKWND 04040/1836 SLP114 CB DSNT NE TCU DSNT E-SE T02170161

---

TAF KMSP 121736Z 1218/1324 14013G24KT P6SM SCT250  
FM130300 17011KT P6SM -SHRA BKN060  
TEMPO 1303/1306 17020G40KT 3SM -TSRA BKN050CB  
FM131000 19008KT P6SM BKN100  
FM131400 24011KT P6SM SCT250

## e. Airport Conditions

The Airports section displays METARs, Density Altitude, TAFs and D-NOTAMs related to the airports you are interested in. As a new user, the system will provide you with this information for a default set of airports. The default airports are SFO, DEN and JFK. An area briefing may be retrieved for any of these airports by entering an Aircraft ID and clicking the Area Brief button. Also, as a new user, the METAR, TAF, and D-NOTAM text is shown by default in plain-text translation. Pilots also have the ability to view the METAR, TAF, and D-NOTAM text without plain-text translation by deselecting the ☐ Plain Text checkbox. METAR, TAF, and D-NOTAM text is displayed by airport.



Airport Conditions
[Edit Airports](#)

☒ SFO [Area Brief](#)
☒ DEN [Area Brief](#)
☒ JFK [Area Brief](#)
\*Aircraft ID:

☒ METAR
☒ TAF
☒ D-NOTAM
☒ Plain Text

**SFO (Density Altitude: -23 ft)**

**IFR** San Francisco International, San Francisco, CA (KSFO), Jun 6, 1456Z (09:56 CDT), Wind from 290° at 16 knots, 10 statute miles visibility, Few Clouds at 400 feet, Ceiling is Broken at 600 feet, Temperature 14°C, Dewpoint 11°C, Altimeter is 30.01, Remarks: automated station with precipitation discriminator sea level pressure 1016.4 hectopascals hourly temp 13.9°C dewpoint 11.1°C 3-hour atmospheric pressure increasing, then steady, or increasing then increasing more slowly by 0.7 hectopascals

**VFR** San Francisco International, San Francisco, CA (KSFO), Issued Jun 6, 1128Z (06:28 CDT), valid from Jun 6, 1200Z (07:00 CDT) until Jun 7, 1800Z (13:00 CDT), Wind from 290° at 12 knots, greater than 6 statute miles visibility, Scattered Clouds at 700 feet, Ceiling is Overcast at 4,000 feet

**IFR** Temporary between Jun 6, 1200Z (07:00 CDT) and Jun 6, 1500Z (10:00 CDT), 5 statute miles visibility, Mist, Ceiling is Broken at 700 feet

**VFR** From Jun 6, 1700Z (12:00 CDT), Wind from 270° at 10 knots, greater than 6 statute miles visibility, Few Clouds at 4,000 feet, Ceiling is Broken at 25,000 feet

**VFR** From Jun 6, 2100Z (16:00 CDT), Wind from 280° at 18 knots with gusts to 25 knots, greater than 6 statute miles visibility, Few Clouds at 25,000 feet

**VFR** From Jun 7, 0400Z (Jun 6, 23:00 CDT), Wind from 280° at 12 knots, greater than 6 statute miles visibility, Few Clouds at 25,000 feet.

SFO 06/008 San Francisco International, San Francisco, CA (KSFO) Taxiway D centerline light between taxiway B and runway 10R/28L unserviceable Jun 1, 2022 0719Z (02:19 CDT) to Jul 31, 2022 1300Z (08:00 CDT)

SFO 05/343 San Francisco International, San Francisco, CA (KSFO) Taxiway A centerline light between report 7 and report 6 unserviceable May 30, 2022 1055Z (05:55 CDT) to Jul 15, 2022 2200Z (17:00 CDT)

SFO 05/277 San Francisco International, San Francisco, CA (KSFO) Taxiway G IN pavement runway guard light at runway 01R/19L not standard May 25, 2022 1127Z (06:27 CDT) to Jun 30, 2022 2200Z (17:00 CDT)

SFO 05/278 San Francisco International, San Francisco, CA (KSFO) Taxiway K IN pavement runway guard light between runway 10L/28R and runway 10R/28L not standard May 25, 2022 1119Z (06:19 CDT) to Jun 30, 2022 2200Z (17:00 CDT)

SFO 05/275 San Francisco International, San Francisco, CA (KSFO) Taxiway V IN pavement runway guard light between taxiway E and taxiway L not standard May 25, 2022 1115Z (06:15 CDT) to Jun 30, 2022 2200Z (17:00 CDT)

SFO 05/274 San Francisco International, San Francisco, CA (KSFO) Taxiway M centerline light between runway 01R/19L and taxiway L not standard May 25, 2022 1114Z (06:14 CDT) to Jun 30, 2022 2200Z (17:00 CDT)

SFO 05/273 San Francisco International, San Francisco, CA (KSFO) Taxiway C IN pavement runway guard light between runway 01L/19R and runway 01R/19L not standard May 25, 2022 1027Z (05:27 CDT) to Jun 30, 2022 2200Z (17:00 CDT)

SFO 05/260 San Francisco International, San Francisco, CA (KSFO) Taxiway Z direction markings between taxiway Q and taxiway R not standard May 24, 2022 0746Z (02:46 CDT) to Jun 30, 2022 2200Z (17:00 CDT)

SFO 05/208 San Francisco International, San Francisco, CA (KSFO) Taxiway T centerline markings between runway 10R/28L and taxiway B not standard May 18, 2022 1922Z (14:22 CDT) to Jul 1, 2022 2200Z (17:00 CDT)

SFO 05/207 San Francisco International, San Francisco, CA (KSFO) Taxiway K centerline markings between runway 10R/28L and taxiway A not standard May 18, 2022 1920Z (14:20 CDT) to Jul 1, 2022 2200Z (17:00 CDT)


SFO 05/150 San Francisco International, San Francisco, CA (KSFO) Taxiway L centerline light between taxiway F and taxiway G unserviceable May 12, 2022 1056Z (05:56 CDT) to Jun 30, 2022 1800Z (13:00 CDT)

SFO 05/128 San Francisco International, San Francisco, CA (KSFO) Taxiway E centerline light between runway 10L/28R and taxiway C unserviceable May 10, 2022 1253Z (07:53 CDT) to Jun 30, 2022 2200Z (17:00 CDT)

SFO 05/058 San Francisco International, San Francisco, CA (KSFO) Taxiway E surface painted holding position signs between taxiway C and taxiway V not standard May 4, 2022 1338Z (08:38 CDT) to Jun 30, 2022 2200Z (17:00 CDT)

SFO 04/291 San Francisco International, San Francisco, CA (KSFO) Obstruction crane (Aeronautical Study Number 2021-AWP-3573-NRA) 373850N1222307W (0.5 nautical miles west-south-west SFO) 361 feet (350FT above ground level) flagged Apr 26, 2022 1402Z (09:02 CDT) to May 11, 2023 0100Z (May 10, 20:00 CDT)

SFO 04/290 San Francisco International, San Francisco, CA (KSFO) Obstruction crane (Aeronautical Study Number 2021-AWP-3572-NRA) 373853N1222308W (0.5 nautical miles west-south-west SFO) 360 feet (350FT above ground level) flagged Apr 26, 2022 1402Z (09:02 CDT) to May 11, 2023 0100Z (May 10, 20:00 CDT)

You may change the airports to your own personal selection by clicking the [Edit Airports](#) link on the Dashboard page and selecting the airports in the Airports for METARs, TAFs and D-NOTAMS pop-up window. You may select up to three airports to display by typing their identifiers in the text entry boxes or searching for them using the  icon next to the field.

**Airports for METARs, TAFs, and D-NOTAMS pop-up window.**



**Airports for METARs, TAFs, and D-NOTAMs**

Airport 1:

BWI

Airport 2:

FDU

Airport 3:

APF

Save

Cancel

## Airports/Heliports search dialog

**Airports/Heliports**

WASHINGTON

STATE

☐ Exact Match

Search

ID	TYPE	NAME	LAT/LONG	CITY, STATE	ARTCC	FSS
KDCY	AIRPORT	DAVIESS COUNTY	3842N08708W	WASHINGTON, IN	ZID	HUF
KFYG	AIRPORT	WASHINGTON RGNL	3835N09100W	WASHINGTON, MO	ZKC	STL
KHEF	AIRPORT	MANASSAS RGNL/HARRY P DAVIS FD	3843N07731W	WASHINGTON, DC	ZDC	DCA
KHIE	AIRPORT	MOUNT WASHINGTON RGNL	4422N07133W	WHITEFIELD, NH	ZBW	BGR
KIAD	AIRPORT	WASHINGTON DULLES INTL	3857N07728W	WASHINGTON, DC	ZDC	DCA
KIY	AIRPORT	WASHINGTON/WILKES COUNTY	3347N08249W	WASHINGTON, GA	ZTL	MCN
KJPN	HELIPORT	PENTAGON AHP	3852N07703W	WASHINGTON, DC	ZDC	DCA

Select

Cancel

## f. System Alerts

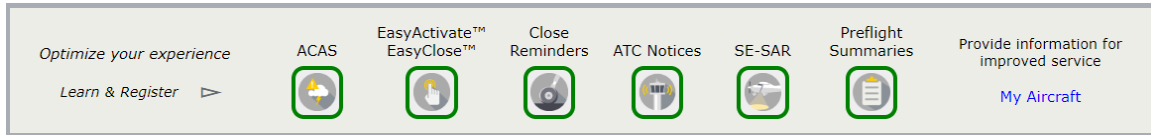
If Leidos Flight Service is experiencing temporary technical difficulties, a message will be displayed on the Dashboard page to notify users of the issue. For example, if there is a US NOTAM Service Interruption, a notification will be displayed below the “Welcome...” message. The following is an example of such a message.

NOTAM data may not be current due to a US NOTAM Service interruption. A recheck of data prior to departure may be warranted.

When the Service is resumed, the message will not be displayed.

## 6.1. Advanced Services Dashboard

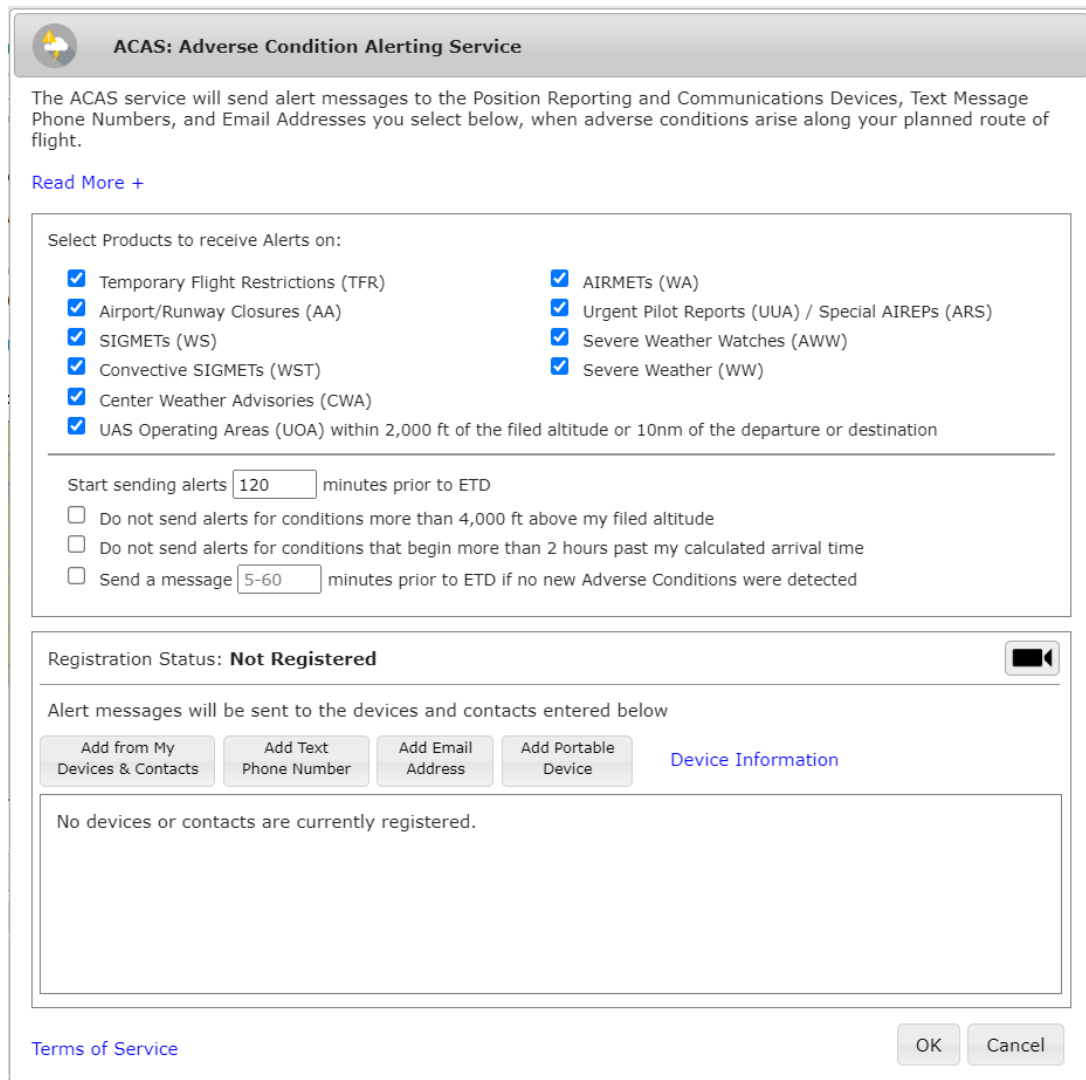
Advance Services Dashboard provides fast and convenient access to manage important notification services including email and SMS texting support.



To guarantee email and phone numbers have been entered correctly and services are working properly the dialogs have a “Test” button that will send a test email to SMS message. It’s important to note that SMS users have the ability to send the commands “UNSUBSCRIBE”, “STOP”, “CANCEL”, “QUIT, or “END”. If the last command received is one of these, then Test Messages will not be sent. You will instead see a pop up dialog in the Advanced Services window notifying you that the number is currently unsubscribed and you will need to enter START on your phone to resume notifications.

## a. ACAS: Adverse Condition Alerting Service

Clicking on the ACAS icon  will open a dialog as follows:



The screenshot shows a dialog box titled "ACAS: Adverse Condition Alerting Service". It contains a paragraph explaining the service, a "Read More +" link, a section for selecting products to receive alerts with a grid of checkboxes, a section for alert timing with input fields and checkboxes, a "Registration Status: Not Registered" section with a video icon, a section for adding devices and contacts with buttons and a link, a message box stating "No devices or contacts are currently registered.", and a footer with a "Terms of Service" link and "OK" and "Cancel" buttons.

**ACAS: Adverse Condition Alerting Service**

The ACAS service will send alert messages to the Position Reporting and Communications Devices, Text Message Phone Numbers, and Email Addresses you select below, when adverse conditions arise along your planned route of flight.

[Read More +](#)

Select Products to receive Alerts on:


<input checked="" type="checkbox"/> Temporary Flight Restrictions (TFR)	<input checked="" type="checkbox"/> AIRMETs (WA)
<input checked="" type="checkbox"/> Airport/Runway Closures (AA)	<input checked="" type="checkbox"/> Urgent Pilot Reports (UUA) / Special AIREPs (ARS)
<input checked="" type="checkbox"/> SIGMETs (WS)	<input checked="" type="checkbox"/> Severe Weather Watches (AWW)
<input checked="" type="checkbox"/> Convective SIGMETs (WST)	<input checked="" type="checkbox"/> Severe Weather (WW)
<input checked="" type="checkbox"/> Center Weather Advisories (CWA)	
<input checked="" type="checkbox"/> UAS Operating Areas (UOA) within 2,000 ft of the filed altitude or 10nm of the departure or destination	

Start sending alerts  minutes prior to ETD

☐ Do not send alerts for conditions more than 4,000 ft above my filed altitude

☐ Do not send alerts for conditions that begin more than 2 hours past my calculated arrival time

☐ Send a message  minutes prior to ETD if no new Adverse Conditions were detected

Registration Status: **Not Registered** 

Alert messages will be sent to the devices and contacts entered below

[Device Information](#)


No devices or contacts are currently registered.

[Terms of Service](#)

The ACAS service will send alert messages to devices, text message phone numbers and email addresses registered for the service.

The dialog will display a list of all devices and contacts registered for the service. If no contacts or devices have been registered, then the dialog will display “No devices or contacts are currently registered.”

Clicking on the “Read More +” link will expand the instructions at the top of the dialog to look like this:


**ACAS: Adverse Condition Alerting Service**

The ACAS service will send alert messages to the Position Reporting and Communications Devices, Text Message Phone Numbers, and Email Addresses you select below, when adverse conditions arise along your planned route of flight.

[Read Less -](#)

Alerts will be sent beginning at a customizable time prior to the Estimated Time of Departure. Additionally, users can opt to receive a notification message if no new Adverse Conditions have been detected at a specific time prior to ETD.

This service includes options for preflight and inflight alerting. For IFR flight plans, preflight alerts will be based on the filed route (which may be different from the ATC-assigned route) and will cease at the Estimated Time of Departure. For Alaska VFR flight plans with extended ETA, inflight alerts will not be sent.

Leidos Flt Svc will send messages to the Text Message Phone Numbers you select below (Variable msgs/Flight). Standard text message rates may apply.  
 For U.S. Phone Numbers: Text HELP to FLTSVC (358-782) for help. Text STOP to FLTSVC (358-782) to cancel.  
 For Canadian Phone Numbers: Text HELP to 855-934-0038 for help. Text STOP to 855-934-0038 to cancel.

Select Products to receive Alerts on:

<input checked="" type="checkbox"/> Temporary Flight Restrictions (TFR)	<input checked="" type="checkbox"/> AIRMETs (WA)
<input checked="" type="checkbox"/> Airport/Runway Closures (AA)	<input checked="" type="checkbox"/> Urgent Pilot Reports (UUA) / Special AIREPs (ARS)
<input checked="" type="checkbox"/> SIGMETs (WS)	<input checked="" type="checkbox"/> Severe Weather Watches (AWW)
<input checked="" type="checkbox"/> Convective SIGMETs (WST)	<input checked="" type="checkbox"/> Severe Weather (WW)
<input checked="" type="checkbox"/> Center Weather Advisories (CWA)	
<input checked="" type="checkbox"/> UAS Operating Areas (UOA) within 2,000 ft. of the filed altitude or 10nm of the departure or destination	

Start sending alerts  minutes prior to ETD

☐ Do not send alerts for conditions more than 4,000 ft above my filed altitude

☐ Do not send alerts for conditions that begin more than 2 hours past my calculated arrival time

☐ Send a message  minutes prior to ETD if no new Adverse Conditions were detected

Registration Status: **Registered**

Alert messages will be sent to the devices and contacts entered below

[Device Information](#)

No devices or contacts are currently registered.

[Terms of Service](#)

The user can choose which categories of weather product alert notifications to receive by selecting the individual weather product checkboxes in this portion of the dialog:

Select Products to receive Alerts on:

<input checked="" type="checkbox"/> Temporary Flight Restrictions (TFR)	<input checked="" type="checkbox"/> AIRMETs (WA)
<input checked="" type="checkbox"/> Airport/Runway Closures (AA)	<input checked="" type="checkbox"/> Urgent Pilot Reports (UUA) / Special AIREPs (ARS)
<input checked="" type="checkbox"/> SIGMETs (WS)	<input checked="" type="checkbox"/> Severe Weather Watches (AWW)
<input checked="" type="checkbox"/> Convective SIGMETs (WST)	<input checked="" type="checkbox"/> Severe Weather (WW)
<input checked="" type="checkbox"/> Center Weather Advisories (CWA)	
<input checked="" type="checkbox"/> UAS Operating Areas (UOA) within 2,000 ft. of the filed altitude or 10nm of the departure or destination.	

Deselecting all weather products while still having at least one registered device or contact will result in the following message, and will disable the saving of ACAS registration changes until at least one weather product is selected or there are no registrations.

Select Products to receive Alerts on: **Please select at least one product**

<input type="checkbox"/> Temporary Flight Restrictions (TFR)	<input type="checkbox"/> AIRMETs (WA)
<input type="checkbox"/> Airport/Runway Closures (AA)	<input type="checkbox"/> Urgent Pilot Reports (UUA) / Special AIREPs (ARS)
<input type="checkbox"/> SIGMETs (WS)	<input type="checkbox"/> Severe Weather Watches (AWW)
<input type="checkbox"/> Convective SIGMETs (WST)	<input type="checkbox"/> Severe Weather (WW)
<input type="checkbox"/> Center Weather Advisories (CWA)	
<input type="checkbox"/> UAS Operating Areas (UOA) within 2,000 ft of the filed altitude or 10nm of the departure or destination	

---

Start sending alerts  minutes prior to ETD

☐ Do not send alerts for conditions more than 4,000 ft above my filed altitude

☐ Do not send alerts for conditions that begin more than 2 hours past my calculated arrival time

☐ Send a message  minutes prior to ETD if no new Adverse Conditions were detected

---

Registration Status: **Not Registered**

Alert messages will be sent to the devices and contacts entered below

[Device Information](#)

☒ Preflight Alerts
 ☒ Inflight Alerts

The user can enter the number of minutes before the estimated time of departure (ETD) when alerts will start being sent to registered devices and contacts. The default value is 120 minutes (2 hours). The range is from 0 minutes (start sending alerts at the ETD) to 360 minutes (start sending alerts 6 hours before ETD).

Start sending alerts  minutes prior to ETD

The user can choose whether to filter out ACAS alerts based on filed altitude by selecting the checkbox in the ACAS service window.

☐ Do not send alerts for conditions more than 4,000 ft above my filed altitude

The user can choose whether or not to receive ACAS alert messages for conditions that will begin more than 2 hours after their calculated arrival time.

☐ Do not send alerts for conditions that begin more than 2 hours past my calculated arrival time

The user can choose whether to receive a message at a specified time prior to ETD if no new adverse conditions were detected since the last standard briefing by selecting the checkbox in the ACAS service window.


☐ Send a message  minutes prior to ETD if no new Adverse Conditions were detected

The message horizon value must be between 5 and 60 or this error message will be displayed:

☒ Send a message  minutes prior to ETD if no new Adverse Conditions were detected  
Value must be between 5-60

The value must be less than the value used for alert start time or this message will be displayed:

☒ Send a message  minutes prior to ETD if no new Adverse Conditions were detected  
Value must be less than value used for alert start time

Clicking on the  Video icon will open a help video on how to register for the ACAS service.

Clicking on the “Device Information” link will open a dialog showing the service providers that support ACAS.

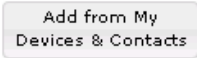
**Service Providers Supporting ACAS**  
Device Notes:

- To receive alerts with a device installed in an aircraft, please first add it at [My Aircraft](#)
- To receive alerts with an Iridium phone, please use “Add Text Phone Number” in the registration box (Format: 8816 XXX XXXXX)

The following service providers provide Position Reporting and Communications Devices that support the ACAS service.  
[SkyConnect](#)  
[spidertracks](#)  
[Garmin inReach \(DeLorme\)](#)  
Please contact service providers directly to learn more about their products supporting ACAS.  

OK

Clicking on a link for a service provider will open a new browser tab with that service provider’s home page.

Clicking on the “Add from My Devices & Contacts” button  will open a new dialog which contains a list of all Devices, Phone Numbers, and Email Addresses associated with the pilot’s profile.

**Add from My Devices & Contacts**  
Select devices and contacts to include:

<input type="checkbox"/> spidertracks	123456789012345
<input type="checkbox"/> (123) 345-4567	
<input type="checkbox"/> test@leidos.com	

OK Cancel

The user can register any of the shown contacts for the ACAS service by selecting the checkbox next to each contact.

The dialog box is titled "Add from My Devices & Contacts". It contains the instruction "Select devices and contacts to include:". Below this, there are three items listed, each with a checkbox and a label:   
1. A checked checkbox next to "spidertracks" with the phone number "123456789012345" to its right.   
2. An unchecked checkbox next to "(123) 345-4567".   
3. A checked checkbox next to "test@leidos.com".   
At the bottom right of the dialog are "OK" and "Cancel" buttons.

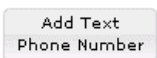
Pressing the “OK” button will close the “Add from My Devices & Contacts” dialog. The selected contact or device will be displayed in the main ACAS dialog.

The main dialog shows a "Registration Status: Not Registered" at the top right. Below it, a message states "Alert messages will be sent to the devices and contacts entered below". There are four buttons: "Add from My Devices & Contacts", "Add Text Phone Number", "Add Email Address", and "Add Portable Device". A link "Device Information" is also present. The contact list contains two entries:   
1. Phone number "(703) 555-1234" with checkboxes for "Preflight Alerts" (checked) and "Inflight Alerts" (checked). It has "Remove" and "Test Message" buttons.   
2. Email "test@leidos.com" with checkboxes for "Preflight Alerts" (checked) and "Inflight Alerts" (checked). It also has "Remove" and "Test Message" buttons.   
At the bottom are "Terms of Service" link and "OK" and "Cancel" buttons.

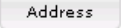
The user can choose whether to receive InFlight alerts, PreFlight alerts or both by selecting the checkbox associated with the type of alert.

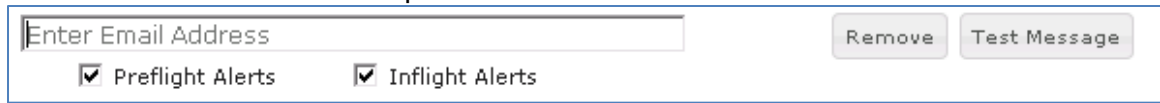
A close-up of the checkboxes for "Preflight Alerts" and "Inflight Alerts", both of which are checked.

Clicking on the “Remove” button will remove the contact row. Clicking on the “Test Message” button will send a test message to the device or contact in the row.

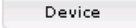
Clicking on the “Add Text Phone Number” button  will display a blank Phone Number row. A valid phone number must be provided to successfully register.

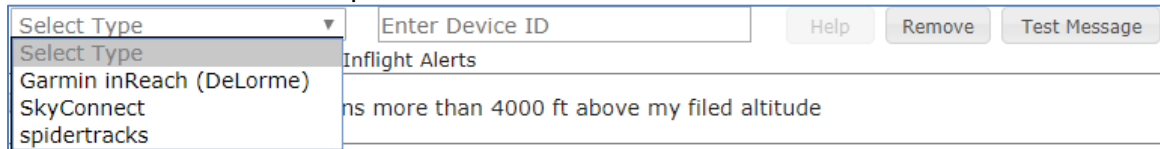
The contact list now shows a new row for a phone number. It has a text input field labeled "Enter Phone Number", checkboxes for "Preflight Alerts" (checked) and "Inflight Alerts" (checked), and "Remove" and "Test Message" buttons.

Clicking on the “Add Email Address” button  will display a blank Email row. A valid email address must be provided.



The screenshot shows a form for adding an email address. It includes a text input field labeled "Enter Email Address", a "Remove" button, and a "Test Message" button. Below the input field are two checkboxes: "Preflight Alerts" and "Inflight Alerts", both of which are checked.

Clicking on the “Add Portable Device” button  will display a blank portable device row. A valid device provider and device ID must be entered.



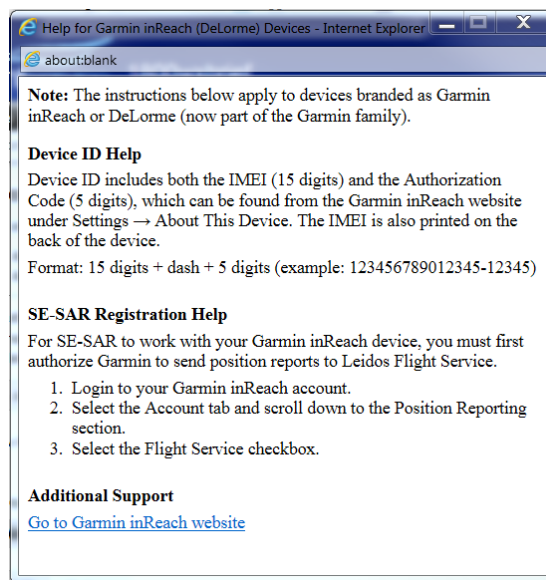
The screenshot shows a form for adding a portable device. It includes a dropdown menu labeled "Select Type" with options "Garmin inReach (DeLorme)", "SkyConnect", and "spidertracks". Next to it is a text input field labeled "Enter Device ID". To the right are "Help", "Remove", and "Test Message" buttons. Below the input fields, there is a checkbox for "Inflight Alerts" and a text area containing the text "ns more than 4000 ft above my filed altitude".

When a device provider is selected, the “Help” button will become enabled.



The screenshot shows the same form as before, but with "Garmin inReach (DeLorme)" selected in the "Select Type" dropdown. The "Help" button is now enabled and highlighted. The "Inflight Alerts" checkbox is also checked.

Clicking on the “Help” button will open a new window with information based on the selected device provider.

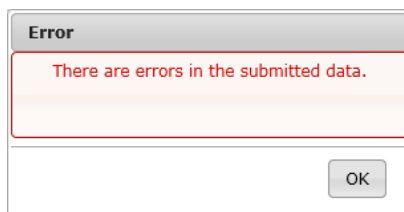


To receive alerts for Garmin devices, the user can provide a Garmin/Iridium phone number.

To receive alerts on an installed device, the user must add the device on the Account->Aircraft tab. This device will then be displayed in the “Add from My Devices & Contacts” dialog.

Clicking on the “OK” button will submit the changes made to the ACAS registration. If an entry is not valid, or if any field is left blank, an error dialog will popup.

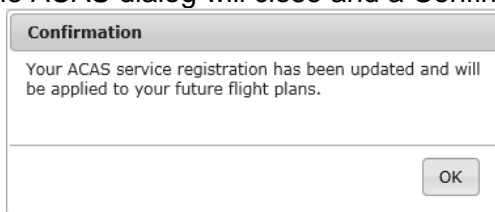




After selecting OK, the error fields will be highlighted in yellow and the error will be displayed under each field.

 A screenshot of the ACAS registration form. The 'Garmin inReach (DeLorme)' dropdown is set to '123', which is highlighted in yellow. Below it, the word 'Invalid' is displayed in red. The 'Enter Email Address' field is also highlighted in yellow, with the word 'Required' in red below it. Both the 'Preflight Alerts' and 'Inflight Alerts' checkboxes are checked. On the right side, there are buttons for 'Help', 'Remove', and 'Test Message' for the first section, and 'Remove' and 'Test Message' for the second section.

If there are no errors, the ACAS dialog will close and a Confirmation dialog will popup.



Selecting "OK" will close the Confirmation dialog.

The Advanced Services Dashboard will be updated. If you have successfully registered for the ACAS service then the icon border will be green.



If you have not registered any device or contacts, then the icon border will be clear.



If you want to stop the notification/alerts that are sent to the phone number, you can reply with "STOP", "END", "UNSUBSCRIBE", "QUIT", or "CANCEL". If you want to restart the notifications to the phone number, you can reply with "START". You can also reply with "HELP". If a pilot tries to use the same number that they had previously replied "STOP" to or had removed entirely from their account, it will result in an error message.

## b. EasyActivate™ and EasyClose™

Clicking on the EasyActivate™ EasyClose™ icon will open a dialog as follows:



**EasyActivate™ and EasyClose™**

The EasyActivate™ and EasyClose™ service will send messages to the phone numbers and email addresses listed below. For convenient flight plan activation and closure, you may respond to the text message sent to your mobile device or use the links embedded in the emails you receive.

Messages are sent:

- (a) 30 minutes before proposed departure time with a link to Activate your flight plan.
- (b) 30 minutes before Estimated Time of Arrival with a link to Close your flight plan.


Note: Service available for VFR, MVFR, MIFR, and ZFR flight rules.

All SMS input from users will be followed by an SMS system response. A lack of response from the system may indicate an intermittent service outage.

Leidos Fit Svc will send messages to the Text Message Phone Numbers you select below (Variable msgs/Flight). Standard text message rates may apply.

For U.S. Phone Numbers: Text HELP to 240-883-5487 for help. Text STOP to 240-883-5487 to cancel.

For Canadian Phone Numbers: Text HELP to 855-934-1409 for help. Text STOP to 855-934-1409 to cancel.

Registration Status: Registered 

Messages will be sent to the contacts entered below


No contacts are currently registered.

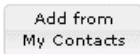
[Terms of Service](#)

The EasyActivate™ EasyClose™ service will send alert messages to text message phone numbers and email addresses registered for the service.

The dialog will display a list of all contacts registered for the service.

If no contacts have been registered, then the dialog will display “No contacts are currently registered.”

Clicking on the Video icon  will open a help video on how to register for the EasyActivate™ EasyClose™ service.

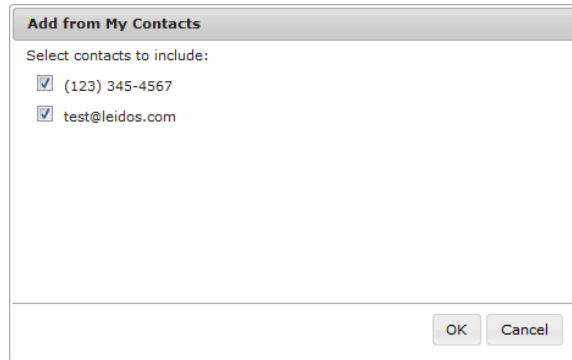
Selecting the “Add from My Contacts” button  will open a new dialog which contains a list of all Phone Numbers, and Email Addresses associated with the pilot’s profile.

**Add from My Contacts**

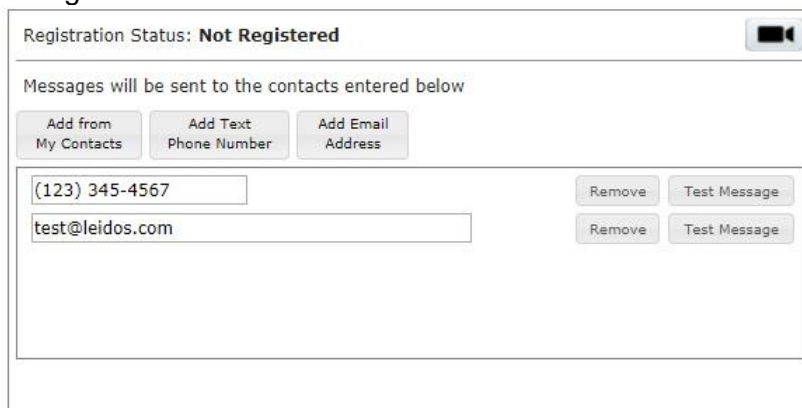
Select contacts to include:

- ☐ (123) 345-4567
- ☐ test@leidos.com

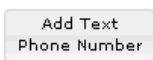
The user can register any of the shown contacts for the EasyActivate™ EasyClose™ service by selecting the checkbox next to each contact.

A dialog box titled "Add from My Contacts" with a grey header. Below the header, it says "Select contacts to include:". There are two checkboxes, both of which are checked. The first checkbox is next to the text "(123) 345-4567" and the second is next to "test@leidos.com". At the bottom right of the dialog box are two buttons: "OK" and "Cancel".

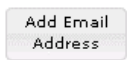
Pressing the “OK” button will close the “Add from My Contacts” dialog. The selected contacts will be displayed in the main EasyActivate™ EasyClose™ dialog.

A main dialog box with a title bar. Below the title bar, it says "Registration Status: Not Registered" followed by a small video camera icon. Below that, it says "Messages will be sent to the contacts entered below". There are three buttons: "Add from My Contacts", "Add Text Phone Number", and "Add Email Address". Below these buttons is a list of contacts. The first contact is "(123) 345-4567" and the second is "test@leidos.com". To the right of each contact are two buttons: "Remove" and "Test Message".

Clicking on the “Remove” button will remove the contact row. Clicking on the “Test Message” button will send a test message to the contact in the row.

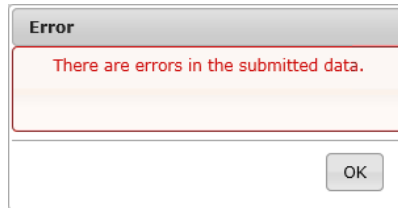
Clicking on the “Add Text Phone Number” button  will display a blank Phone Number row. A valid phone number must be provided to successfully register.

A row with a text input field containing the placeholder text "Enter Phone Number". To the right of the input field are two buttons: "Remove" and "Test Message".

Clicking on the “Add Email Address” button  will display a blank Email row. A valid email address must be provided.

A row with a text input field containing the placeholder text "Enter Email Address". To the right of the input field are two buttons: "Remove" and "Test Message".

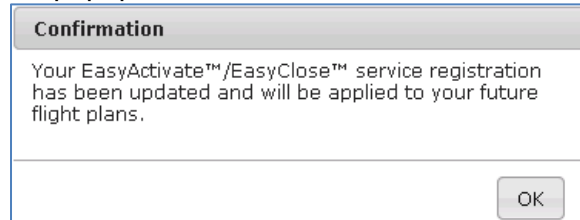
Clicking on the “OK” button will submit the changes made to the EasyActivate™ EasyClose™ registration. If an entry is not valid, or if any field is left blank, an error dialog will popup.



After selecting OK, the error fields will be highlighted in yellow and the error will be displayed under each field.

1244	Remove	Test Message
Invalid		
Enter Phone Number	Remove	Test Message
Required		

If there are no errors, the EasyActivate™ EasyClose™ dialog will close and a Confirmation dialog will popup.



Selecting “OK” will close the Confirmation dialog.

The Advanced Services Dashboard will be updated. If you have successfully registered for the EasyActivate™ EasyClose™ service then the icon border will be green.



If you have not registered any contact, then the icon border will be clear.




If you want to stop the notification/alerts that are sent to the phone number, you can reply with “STOP”, “END”, “UNSUBSCRIBE”, “QUIT” or “CANCEL”. If you want to restart the notifications to the phone number, you can reply with “START”. You can also reply with “HELP”. If a pilot tries to use the same number that they had previously replied “STOP” to or had removed entirely from their account, it will result in an error message.

### c. Close Reminders



Clicking on the Close Reminders icon will open a dialog as follows:


**Flight Plan Close Reminders**

The Flight Plan Close Reminders service will send messages to the Position Reporting and Communications Devices, Text Message Phone Numbers, and Email Addresses you select below, if your flight plan has not been closed at 20 minutes after the Estimated Time of Arrival.


For destination airports outside of the Leidos Flight Service coverage area (CONUS, Hawaii, Puerto Rico, US Virgin Islands, and Guam), we will not send any Close Reminders because we are not informed whether the flight plan is closed with local Flight Services.

Note: Service available for VFR, MVFR, MIFR, and ZFR flight rules.

Device Notes:  
 To receive messages with a device installed in an aircraft, please first add it at [My Aircraft](#).  
 To receive messages with an Iridium phone, please use "Add Text Phone Number" below.  
 (Format: 8816 XXX XXXXX)  
 View a list of [device providers](#) supporting Flight Plan Close Reminders.

Leidos Flt Svc will send messages to the Text Message Phone Numbers you select below (1 msg/Flight).  
 Standard text message rates may apply.  
 For U.S. Phone Numbers: Text HELP to FLTSCV (358-782) for help. Text STOP to FLTSCV (358-782) to cancel.  
 For Canadian Phone Numbers: Text HELP to 855-934-0038 for help. Text STOP to 855-934-0038 to cancel.

Registration Status: Registered



Messages will be sent to the devices and contacts entered below

Add from My Devices & Contacts

Add Text Phone Number

Add Email Address

Add Portable Device

No devices or contacts are currently registered.


[Terms of Service](#)

OK

Cancel

The Close Reminders service will send messages to devices, text message phone numbers and email addresses registered for the service.

The dialog will display a list of all devices and contacts registered for the service. If no contacts or devices have been registered, then the dialog will display "No devices or contacts are currently registered."

Clicking on the Video icon  will open a help video on how to register for the Close Reminders service.

Clicking on the "device providers" link will open a dialog showing the service providers that support Flight Plan Close Reminders.

**Service Providers Supporting ACAS**

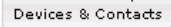
The following service providers provide Position Reporting and Communications Devices that support the ACAS service.

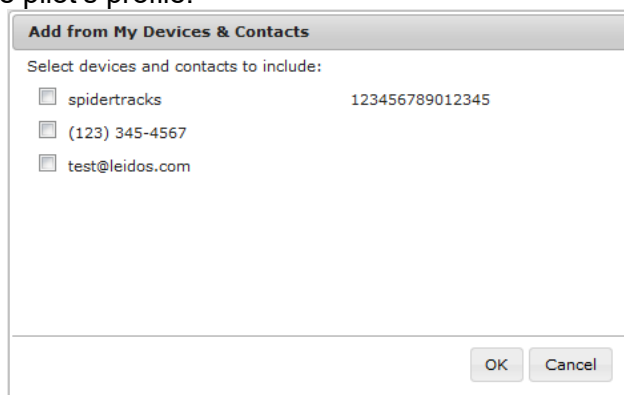
[SkyConnect](#)  
[Spidertracks](#)  
[Garmin inReach \(DeLorme\)](#)

Please contact service providers directly to learn more about their products supporting ACAS.

OK

Clicking on a link for a service provider will open a new browser tab with that service provider's home page.

Clicking on the “Add from My Devices & Contacts” button  will open a new dialog which contains a list of all Devices, Phone Numbers, and Email Addresses associated with the pilot’s profile.

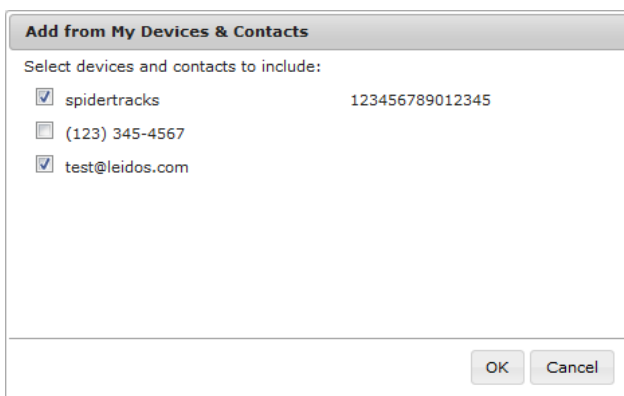


The dialog box titled "Add from My Devices & Contacts" contains the instruction "Select devices and contacts to include:". Below this, there is a list of three items, each with an unchecked checkbox:

- ☐ spidertracks 123456789012345
- ☐ (123) 345-4567
- ☐ test@leidos.com

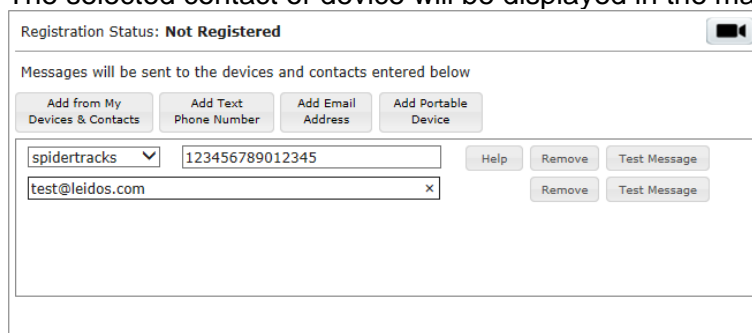
At the bottom right of the dialog are "OK" and "Cancel" buttons.

The user can register any of the shown contacts for the Close Reminders service by selecting the checkbox next to each contact.



This dialog box is identical to the previous one, but the checkboxes for "spidertracks" and "test@leidos.com" are now checked, while the checkbox for "(123) 345-4567" remains unchecked.

Pressing the “OK” button will close the “Add from My Devices & Contacts” dialog. The selected contact or device will be displayed in the main Close Reminders dialog.

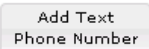


The main dialog box shows the "Registration Status: Not Registered" at the top right. Below this, it states "Messages will be sent to the devices and contacts entered below". There are four buttons: "Add from My Devices & Contacts", "Add Text Phone Number", "Add Email Address", and "Add Portable Device".

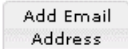
Below the buttons, there is a list of two entries:

- A dropdown menu showing "spidertracks" and a text field containing "123456789012345". To the right of this row are buttons for "Help", "Remove", and "Test Message".
- A text field containing "test@leidos.com" with a close button (X) to its right. To the right of this row are buttons for "Remove" and "Test Message".


Clicking on the “Remove” button will remove the contact row. Clicking on the “Test Message” button will send a test message to the device or contact in the row.

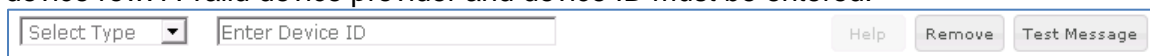
Clicking on the “Add Text Phone Number” button  will display a blank Phone Number row. A valid phone number must be provided to successfully register.



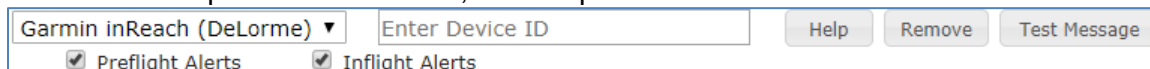
Clicking on the “Add Email Address” button  will display a blank Email row. A valid email address must be provided.



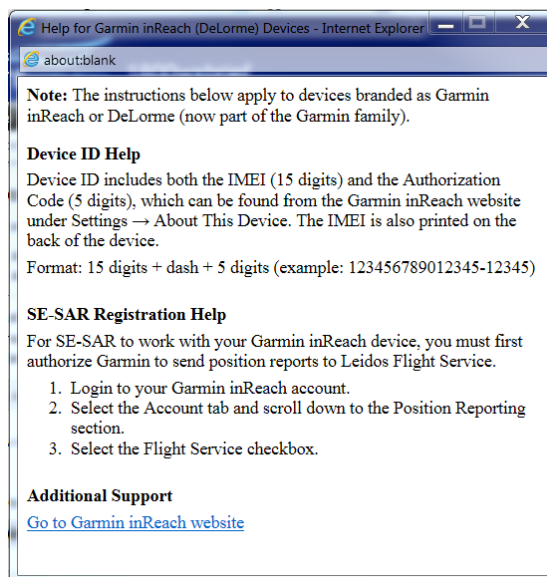
Clicking on the “Add Portable Device” button  will display a blank portable device row. A valid device provider and device ID must be entered.



When a device provider is selected, the “Help” button will become enabled.



Clicking on the “Help” button will open a new window with information based on the selected device provider.

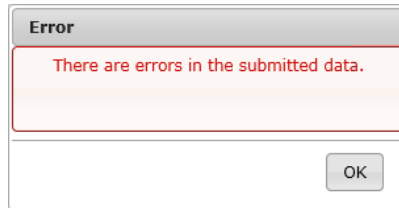


To receive alerts for Garmin devices, the user can provide a Garmin/Iridium phone number.

To receive alerts on an installed device, the user must add the device on the Account->Aircraft tab. This device will then be displayed in the “Add from My Devices & Contacts” dialog.

Clicking on the “OK” button will submit the changes made to the Close Reminders registration.

If an entry is not valid, or if any field is left blank, an error dialog will popup.



After selecting OK, the error fields will be highlighted in yellow and the error will be displayed under each field.

A form with two input fields. The first field contains '311' and the second contains 'abcd'. Both fields are highlighted in yellow. Below each field, the word 'Invalid' is written in red. To the right of each field are two buttons: 'Remove' and 'Test Message'.

If there are no errors, the Close Reminders dialog will close and a Confirmation dialog will popup.

Selecting “OK” will close the Confirmation dialog.

The Advanced Services Dashboard will be updated. If you have successfully registered for the Close Reminders service then the icon border will be green.

If the user has not registered any device or contacts, then the icon border will be clear.


If you want to stop the notification/alerts that are sent to the phone number, you can reply with “STOP”, “END”, “UNSUBSCRIBE”, “QUIT”, or “CANCEL”. If you want to restart the notifications to the phone number, you can reply with “START”. You can also reply with “HELP”. If a pilot tries to use the same number that they had previously replied “STOP” to or had removed entirely from their account, it will result in an error message.

#### d. ATC Notices



Clicking on the ATC Notices icon will open a dialog as follows:




**ATC Notices**

The ATC Notices service will send messages to the phone numbers and email addresses you select below when any of these events occurs:


- (a) Your filed flight plan has been accepted by ATC
- (b) An ATC change to your flight plan's route is detected

If this change is detected early enough, the text message or email you receive will include an "EasyAmend" option to easily amend your flight to the ATC assigned routing.

Amending your flight plan increases the likelihood of being "Cleared as Filed" by the ATC. However, IFR clearances are determined by ATC and circumstances may not always allow "Cleared as Filed" even with this amendment.

Leidos Fit Svc will send messages to the Text Message Phone Numbers you select below (Variable msgs/Flight). Standard text message rates may apply.  
 For U.S. Phone Numbers: Text HELP to 240-883-5487 for help. Text STOP to 240-883-5487 to cancel.  
 For Canadian Phone Numbers: Text HELP to 855-934-0038 for help. Text STOP to 855-934-0038 to cancel.

*Note: Service available for IFR, MIFR, and YFR flight rules.*

Registration Status: Registered 

Messages will be sent to the contacts entered below

Add from My Contacts

Add Text Phone Number

Add Email Address


No contacts are currently registered.

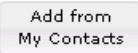
[Terms of Service](#)

OK

Cancel

The ATC Notices service will send messages to email addresses and phone numbers registered for the service. The messages are sent when the user files or amends an IFR, MIFR, or YFR flight plan and it is accepted by ATC. If ATC changes the route of flight a message will be sent showing the change in routing of the flight. If the route change is detected early enough the email will include an "EasyAmend" link and text message will include an option, to allow the flight plan to be amended to the ATC assigned routing. The dialog will display a list of all contacts registered for the service. If no contacts have been registered, then the dialog will display "No contacts are currently registered."

Clicking on the Video icon  will open a help video on how to register for the ATC Notices service.

Selecting the "Add from My Contacts" button  will open a new dialog which contains a list of all Email Addresses and phone numbers associated with the pilot's profile.

Add from My Contacts

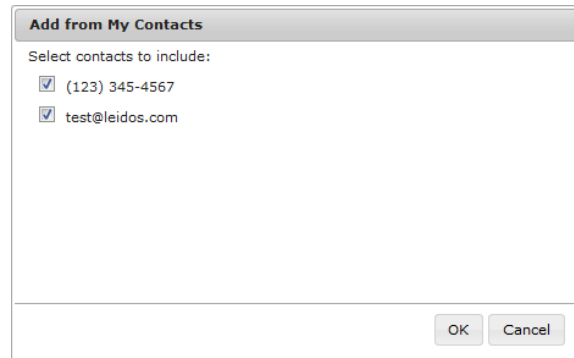
Select contacts to include:

☐ (123) 345-4567  
☐ test@leidos.com

OK

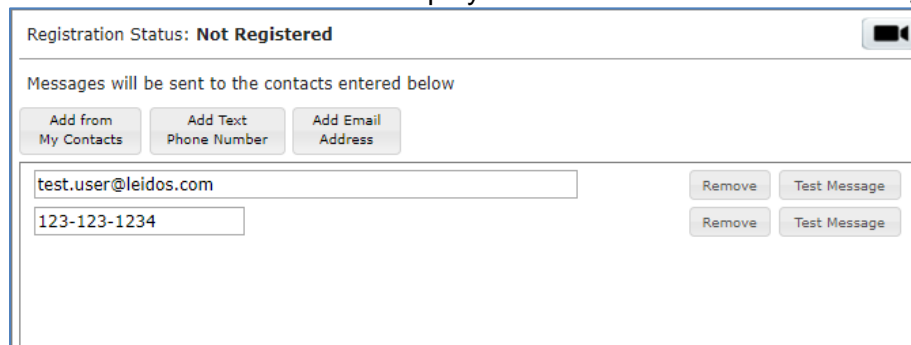
Cancel

The user can register any of the shown contacts for the ATC Notices service by selecting the checkbox next to each contact.



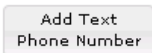
A dialog box titled "Add from My Contacts" with a subtitle "Select contacts to include:". It contains two checked checkboxes: "(123) 345-4567" and "test@leidos.com". At the bottom right are "OK" and "Cancel" buttons.

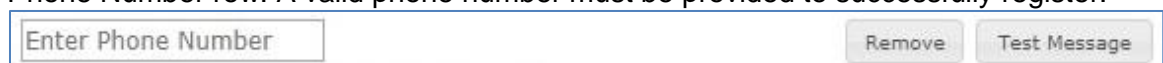
Pressing the "OK" button will close the "Add from My Contacts" dialog. The selected contacts will be displayed in the main ATC Notices dialog.



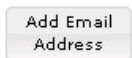
The main ATC Notices dialog box shows "Registration Status: Not Registered" with a mute icon. Below is the text "Messages will be sent to the contacts entered below". There are three buttons: "Add from My Contacts", "Add Text Phone Number", and "Add Email Address". Below these are two rows of contact information. The first row shows "test.user@leidos.com" with "Remove" and "Test Message" buttons. The second row shows "123-123-1234" with "Remove" and "Test Message" buttons.

Clicking on the "Remove" button will remove the contact row. Clicking on the "Test Message" button will send a test message to the contact in the row.

Clicking on the "Add Text Phone Number" button  will display a blank Phone Number row. A valid phone number must be provided to successfully register.



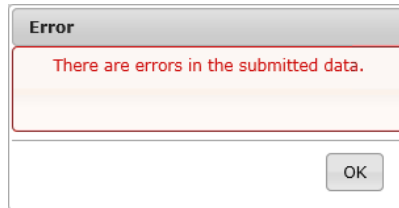
A row for adding a phone number. It contains a text input field with the placeholder "Enter Phone Number" and two buttons: "Remove" and "Test Message".

Clicking on the "Add Email Address" button  will display a blank Email row. A valid email address must be provided.

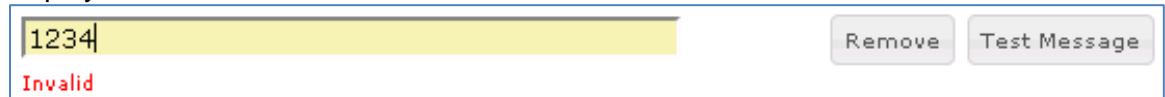


A row for adding an email address. It contains a text input field with the placeholder "Enter Email Address" and two buttons: "Remove" and "Test Message".

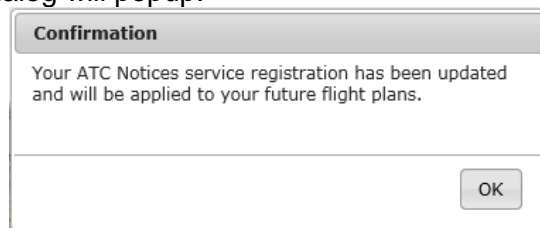
Clicking on the "OK" button will submit the changes made to the ATC Notices registration. If an entry is not valid, or if any field is left blank, an error dialog will popup.



After selecting OK, the error fields will be highlighted in yellow and the error will be displayed under each field.



If a valid contact is provided and there are no errors, the ATC Notices dialog will close and a Confirmation dialog will popup.



Selecting "OK" will close the Confirmation dialog. The Advanced Services Dashboard will be updated. If you have successfully registered for the ATC Notices service then the icon border will be green.



If you have not registered any contact, then the icon border will be clear.



#### e. SE-SAR



Clicking on the SE-SAR icon will open a dialog as follows:



## SE-SAR: Surveillance Enhanced Search And Rescue

For flights within the Leidos Flight Service area (CONUS, HAWAII, Puerto Rico, US Virgin Islands, and Guam), the SE-SAR service will monitor your position reports sent by the service providers of the Position Reporting and Communications Devices you select below. **Please note, for flights with a foreign destination, SAR responsibility is immediately transferred to the foreign destination flight service station.**

Where supported by your device, when no movement is detected or when an emergency signal is received, this service will initiate Search and Rescue operations and send alert messages to the Position Reporting and Communications Devices, Text Message Phone Numbers, and Email Addresses you select below.

For information regarding SE-SAR service for flights departing or arriving from a non-LFS service area, [click here](#).

In order to register for this service, you must complete these two steps:

(a) Enter at least one device below.

(b) Set up with your service providers to send position reports to LFS, then select the confirmation checkbox below.

For additional help, please use "Help" button available for your device.

### Device Notes:

To use this service with a device installed in an aircraft, please first add it at [My Aircraft](#).

To receive alerts with an Iridium phone, please use "Add Text Phone Number" below.

(Format: 8816 XXX XXXXX)

SPOT device does not support receiving alerts.

View a list of [device providers](#) supporting SE-SAR. Contact providers for details on specific SE-SAR features supported.


Leidos Flt Svc will send messages to the Text Message Phone Numbers you select below (Variable msgs/Flight).

Standard text message rates may apply.

For U.S. Phone Numbers: Text HELP to FLTSVC (358-782) for help. Text STOP to FLTSVC (358-782) to cancel.

For Canadian Phone Numbers: Text HELP to 855-934-0038 for help. Text STOP to 855-934-0038 to cancel.

Registration Status: Confirmation Required

 ☐ CONFIRMATION: I have set up with my service providers to send position reports to LFS

Position reports will be monitored for the devices entered below.  
Alert messages will be sent to the contacts and applicable devices entered below.

Add from My  
Devices & Contacts

Add Text  
Phone Number

Add Email  
Address

Add Portable  
Device

No devices or contacts are currently registered.

[Terms of Service](#)

OKCancel

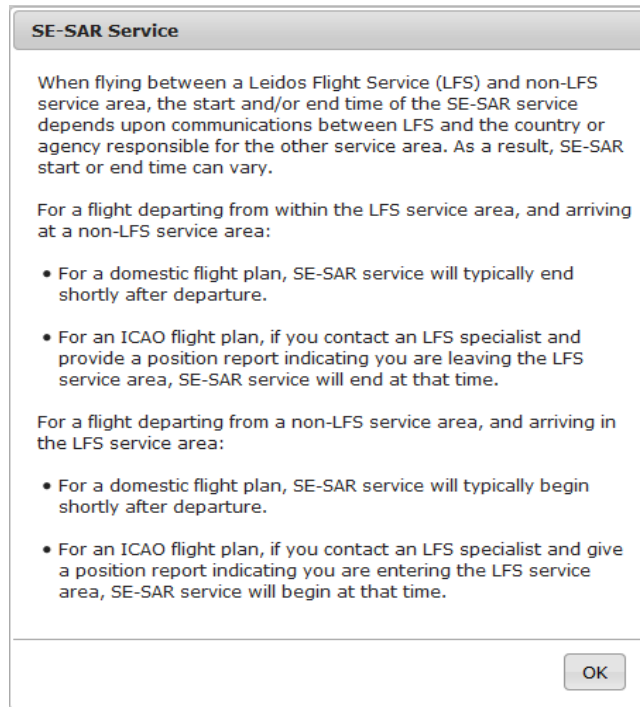
The SE-SAR service will send messages to devices, text message phone numbers and email addresses registered for the service.


Please note, for flights with a foreign destination, SAR responsibility is immediately transferred to the foreign destination flight service station.

The dialog will display a list of all devices and contacts registered for the service.

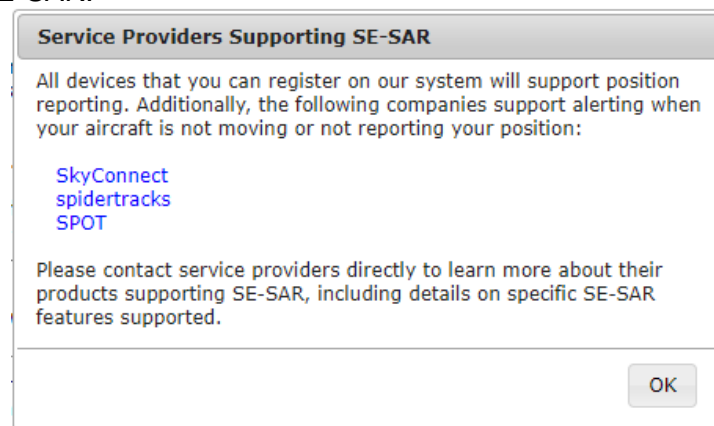
If no contacts or devices have been registered, then the dialog will display "No devices or contacts are currently registered."

Clicking on the "click here" link will display the SE-SAR Service dialog.

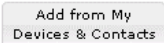


Clicking on the Video icon  will open a help video on how to register for the SE-SAR service.

Clicking on the “device providers” link will open a dialog showing the service providers that support SE-SAR.



Clicking on a link for a service provider will open a new browser tab with that service provider's home page.

Clicking on the “Add from My Devices & Contacts” button  will open a new dialog which contains a list of all Devices, Phone Numbers, and Email Addresses associated with the pilot's profile. The user can register any of the shown contacts for the SE-SAR service by selecting the checkbox next to each contact.

**Add from My Devices & Contacts**

Select devices and contacts to include:

- ☒ SpiderTracks 123456789012345
- ☐ 13245678910
- ☒ pilot1@lmco.com

OK Cancel

**Add from My Devices & Contacts**

Select devices and contacts to include:

- ☒ spidertracks 123456789012345
- ☐ (123) 345-4567
- ☒ test@leidos.com

OK Cancel

Pressing the “OK” button will close the “Add from My Devices & Contacts” dialog. The selected contact or device will be displayed in the main SE-SAR dialog.

Registration Status: **Not Registered** ☐ CONFIRMATION: I have set up with my service providers to send position reports to LFS

Position reports will be monitored for the devices entered below.  
Alert messages will be sent to the contacts and applicable devices entered below.

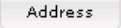
spidertracks	123456789012345	<input checked="" type="checkbox"/> Receive Alerts	Help	Remove	Test Message
test@leidos.com				Remove	Test Message

Clicking on the “Remove” button will remove the contact row.  
Clicking on the “Test Message” button will send a test message to the device or contact in the row.  
For Garmin inReach (DeLorme), spidertracks, and SkyConnect devices, the user can choose to receive alerts by selecting the checkbox. ☒ Receive Alerts

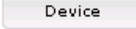
Clicking on the “Add Text Phone Number” button  will display a blank Phone Number row. A valid phone number must be provided to successfully register.

Enter Phone Number

Remove Test Message

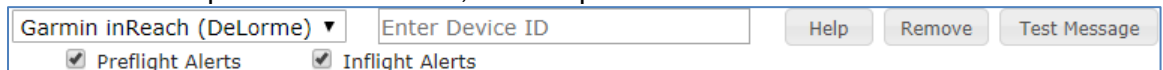
Clicking on the “Add Email Address” button  will display a blank Email row. A valid email address must be provided.

A screenshot of a form for adding an email address. It features a text input field with the placeholder text "Enter Email Address". To the right of the input field are two buttons: "Remove" and "Test Message".

Clicking on the “Add Portable Device” button  will display a blank portable device row. A valid device provider and device ID must be entered.

A screenshot of a form for adding a portable device. It includes a dropdown menu labeled "Select Type" and a text input field labeled "Enter Device ID". To the right of the input field are three buttons: "Help", "Remove", and "Test Message".

When a device provider is selected, the “Help” button will become enabled.

A screenshot of the same form as above, but with "Garmin inReach (DeLorme)" selected in the "Select Type" dropdown. The "Help" button is now enabled and highlighted. Below the dropdown, there are two checkboxes: "Preflight Alerts" and "Inflight Alerts", both of which are checked.

Clicking on the “Help” button will open a new window with information based on the selected device provider.

**Note:** The instructions below apply to devices branded as Garmin inReach or DeLorme (now part of the Garmin family).

**Device ID Help**

Device ID includes both the IMEI (15 digits) and the Authorization Code (5 digits), which can be found from the Garmin inReach device. Find the "Settings" or "Setup" menu item on your inReach device and look for an "About" or similar sub-section.

Format: 15 digits + dash + 5 digits (example: 123456789012345-12345)

**SE-SAR Registration Help**

For SE-SAR to work with your Garmin inReach device, you must first authorize Garmin to send position reports to Leidos Flight Service.

1. Login to your Garmin inReach account.
2. Select the Account tab and scroll down to the Position Reporting section.
3. Select the Flight Service checkbox.

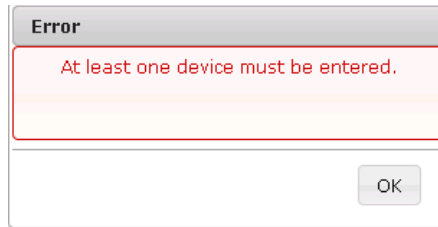
**Additional Support**

[Go to Garmin inReach website](#)

To receive alerts for Garmin devices, the user can provide a Garmin/Iridium phone number.

To receive alerts on an installed device, the user must add the device on the Account->Aircraft tab. This device will then be displayed in the “Add from My Devices & Contacts” dialog.

Clicking on the “OK” button will submit the changes made to the SE-SAR registration. If no device is entered and at least one contact is entered, an error dialog will popup.

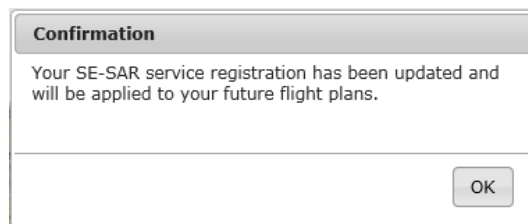


If an entry is not valid, or if any field is left blank, an error dialog will popup.

After selecting OK, the error fields will be highlighted in yellow and the error will be displayed under each field.

 A form with two input fields. The first field contains the text "311" and has the word "Invalid" written below it in red. The second field contains the text "abcd" and also has the word "Invalid" written below it in red. Both input fields are highlighted with a yellow background. To the right of each input field are two buttons: "Remove" and "Test Message".

If there are no errors, the SE-SAR dialog will close and a Confirmation dialog will popup.



Selecting "OK" will close the Confirmation dialog.

The Advanced Services Dashboard will be updated. If you have successfully registered for the SE-SAR service then the icon border will be green.



In order to successfully register for SE-SAR, the user must register at least one device and select the Confirmation checkbox to confirm they have set up with their service providers to send position reports to LFS.

 A horizontal bar with a light grey background. On the left, it says "Registration Status: Confirmation Required" in bold. Below this text is a yellow warning triangle icon and a checkbox. To the right of the checkbox is the text "CONFIRMATION: I have set up with my service providers to send position reports to LFS". On the far right of the bar is a small black camera icon.

If the user has registered at least one device, but has not selected the Confirmation checkbox, the icon border will be yellow and the Registration Status will be 'Confirmation Required.'



If the user has not registered any device or contacts, then the icon border will be clear.





If you want to stop the notification/alerts that are sent to the phone number, you can reply with “STOP”, “END”, “UNSUBSCRIBE”, “QUIT” or “CANCEL”. If you want to restart the notifications to the phone number, you can reply with “START”. You can also reply with “HELP”. If a pilot tries to use the same number that they had previously replied “STOP” to or had removed entirely from their account, it will result in an error message.

#### f. Preflight Summaries



Clicking on the Preflight Summaries icon will open a dialog as follows:

**Preflight Activity Summary**

Upon ETD or cancellation of your IFR flight plans, the Preflight Activity Summary service will send messages to the email addresses you select below.

Upon activation or cancellation of your VFR flight plans, the Preflight Activity Summary service will send messages to the email addresses you select below.

Activity summaries will provide a chronological listing of all briefing and flight plan actions, along with the source of the action, logged for a particular flight, including:

- Briefing requests
- Filing
- Amending
- Activation
- Adverse Condition Update
- Cancellation

Registration Status: **Not Registered**

Preflight Summaries messages will be sent to the contacts entered below.

Add from  
My Contacts

Add Email  
Address

[Terms of Service](#)

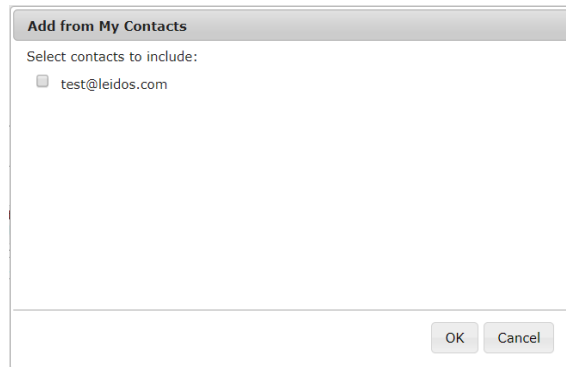
OKCancel

Upon ETD or cancellation of your IFR flight plans, the Preflight Activity Summary service will send messages to the email addresses registered for the service.

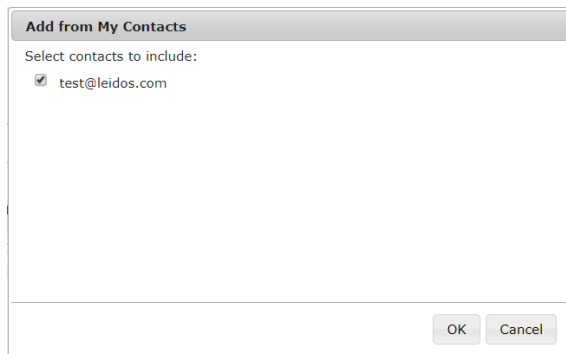
Upon activation or cancellation of your VFR flight plans, the Preflight Activity Summary service will send messages to the email addresses registered for the service.

The dialog will display a list of all contacts registered for the service. If no contacts have been registered, then the dialog will display “No contacts are currently registered.”

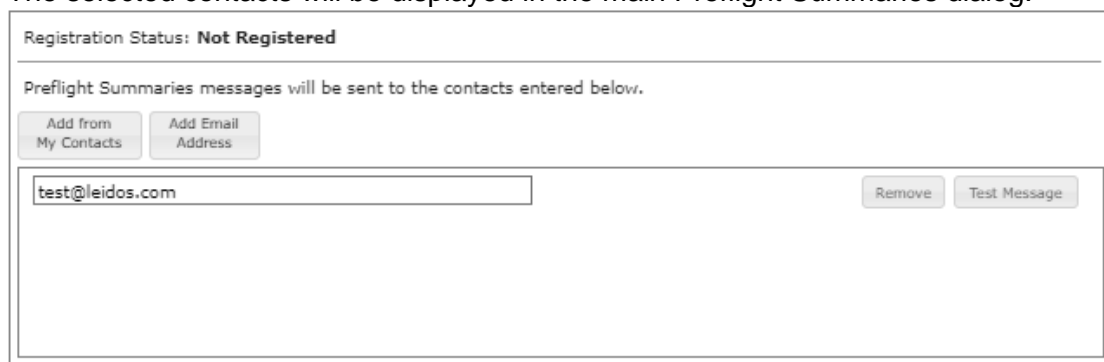
Selecting the “Add from My Contacts” button  will open a new dialog which contains a list of all Email Addresses associated with the pilot’s profile.



The user can register any of the shown contacts for the Preflight Summaries service by selecting the checkbox next to each contact.



Pressing the “OK” button will close the “Add from My Contacts” dialog. The selected contacts will be displayed in the main Preflight Summaries dialog.



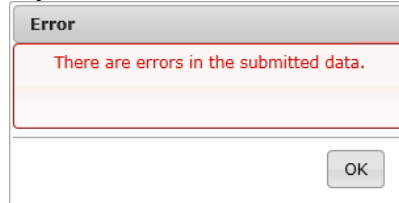
Clicking on the “Remove” button will remove the contact row. Clicking on the “Test Message” button will send a test message to the contact in the row.

Clicking on the “Add Email Address” button  will display a blank Email row. A valid email address must be provided.

RemoveTest Message

Clicking on the “OK” button will submit the changes made to the Preflight Summaries registration.

If an entry is not valid, or if any field is left blank, an error dialog will popup.



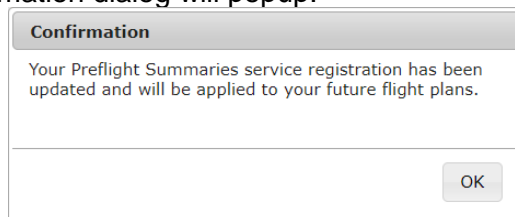
After selecting OK, the error fields will be highlighted in yellow and the error will be displayed under each field.

1234

Invalid

RemoveTest Message

If a valid contact is provided and there are no errors, the Preflight Summaries dialog will close and a Confirmation dialog will popup.



Selecting “OK” will close the Confirmation dialog.

The Advanced Services Dashboard will be updated. If you have successfully registered for the Preflight Summaries service then the icon border will be green.

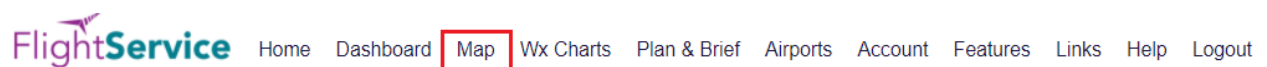


If you have not registered any contact, then the icon border will be clear.



## 7. Interactive Map

Clicking the Map button in the main menu bar will link to the Interactive Map Page.



### 7.1. Interactive Map Page

The Interactive Map page is opened by clicking Map in the menu bar or by clicking on the Interactive Map under the **Featured Capabilities** column on the home page. The page

provides users with interactive graphical capabilities to view a variety of weather products and access to a variety of aeronautical information.

FlightService

HomeDashboardMapWx ChartsPlan & BriefAirportsAccountFeaturesLinksHelp

Thu Mar 09 09:22:31 EST | 14:22:31 Z

Featured Capabilities

NextGen Briefing

Interactive Map

Automated Voice Service

SMS Text Message Service

Latest Features & Enhancements

Resources

Service Provider Integration

How-To Videos

Student Pilot Journey Poster

Pilot Tip Cards

Phone Numbers & Quick Steps

News & Announcements

October 11, 2022

IFR WINGS Course

Flight Service is pleased to announce the launch of a new IFR WINGS course by the FAA that's designed to truly fill in the gap between pilots and their comfort with weather. The course, Conducting Preflight Self-Briefings for IFR Pilots, primarily consists of scenario-based training designed to put you in plausible scenarios where the correct "Go/No-Go" answer isn't always immediately clear. This is an excellent tool for CFI's, CFII's, IFR Students, or ANY pilot looking for a refresher. This course is worth your time.

READ MORE >

July 12, 2022

Useful Resource Additions

We've added several helpful links and useful references in an effort to give our users access to every resource possible not only while planning and preparing for a flight, but also during the never ending learning process. Here's a quick summary of the new additions; we think you'll find them both useful and convenient.

READ MORE >

May 25, 2022

Call Director System Upgrade

On 06/08/2022, Leidos Flight Service will release an update to the automated call director system that will provide pilots with an improved experience by using their area code to route their call to the correct state and subsequent briefing sector.

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Password

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Password

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Upcoming Events

There are no upcoming events.

Featured Video

Flight Service Video: Ne...

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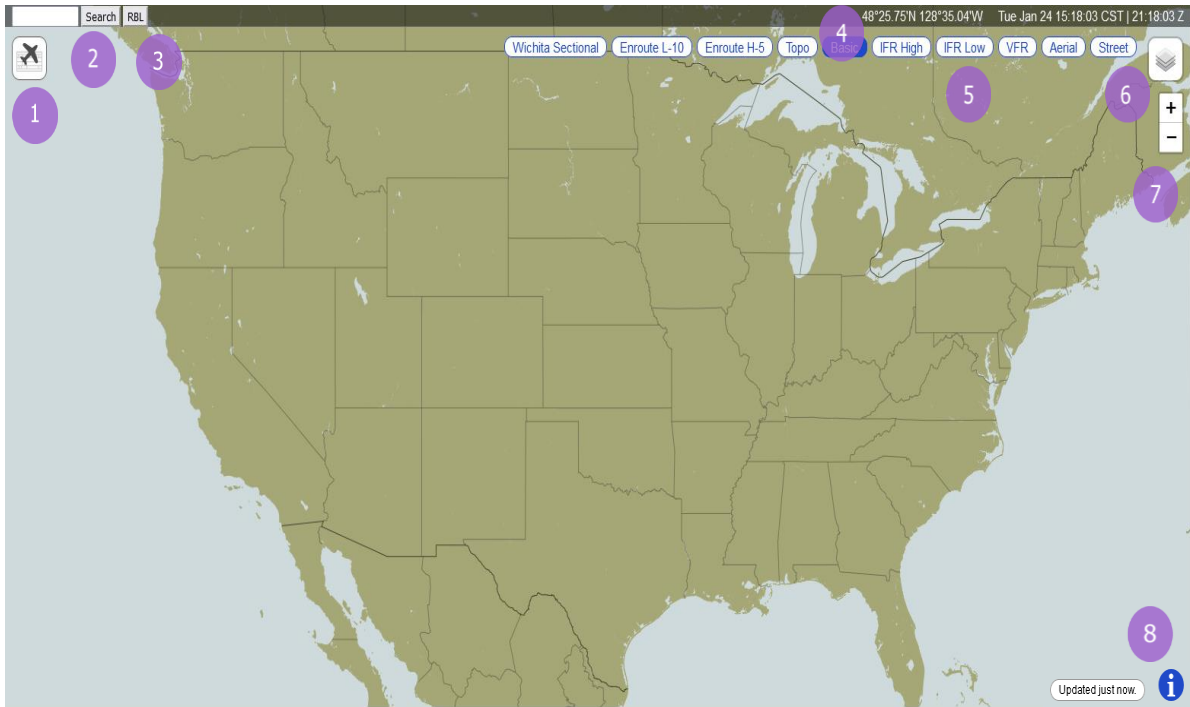
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## a. Overview and Basic Functions




### Access to Flight Plan Short Form (1)

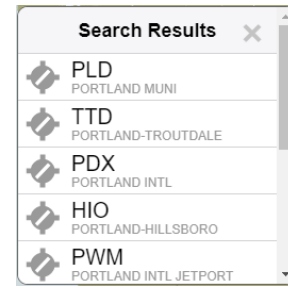
Note: This capability is only available for users that have logged into the website with a valid Leidos Flight Service account.

The Flight Plan Short Form can be accessed by pressing on the  icon on the upper left corner of the map. Once opened, the dialog can be used to:

- Enter basic route information to display route on the map
- View a condensed navigation log for the entered route
- Transfer route information to full Plan & Brief page
- Create, modify, save and use graphical checklists
- Use a graphical checklist to step through all selected phenomena associated with an entered route of flight
- Log the viewed portions of a graphical checklist to pilot history

### Location Search (2)

The search field in the upper left corner of the map window can be used to enter keywords, locations, or airport identifiers to help locate and center on aeronautically relevant locations. Once a query is entered and the search button is pressed, results are displayed in a dialog and using  icons on the map.



If multiple results are returned, the map will center on the first result. When other results are selected from the dialog, the map will re-center on the selected result's location.

A list of nearby airports, heliports, and waypoints can also be generated by right-clicking (desktop) or long-pressing (touchscreen devices) on any area of the map.

### **RBL Button (3)**

The RBL button can be used to draw range bearing lines on the map. Clicking the RBL button puts the map into Range/Bearing Line mode. A left mouse click, hold and drag draws a range/bearing line and range ring. As the mouse pointer moves, a line from the selected point along with a circle centered on the selected point is dynamically drawn displaying the range in nautical miles and the bearing in degrees from magnetic north. See Range Bearing Line Drawing Mode for more information.

### **Current Location and Time (4)**

The latitude and longitude of the center of the map window are displayed in the upper right corner of the map window, along with date and both local and UTC time. Depending on the horizontal size of the device being used to view the map, this information may be dynamically reduce to the point of showing only UTC time.

### **Background Selection (5)**


Background map images can be selected and displayed by pressing their respective buttons on the top right hand portion of the map. The background image buttons displayed will change dynamically depending on the center point and zoom level of the map. If the center of the map window is focused on a particular geographical area, any applicable regional sectionals, terminal area charts, and enroute airspace charts will be made available.

In addition to a "Basic" background map image (monochromatic with territorial boundaries), any of the following options can be selected:

- IFR High
- IFR Low
- VFR
- Aerial
- Street

**Disclaimer:** Aerial and Street base layers should not be used for real-time navigation or emergency services purposes.



### **Access to Layer Controls (6)**

Pressing the  icon will open a Layer Controls menu that provides a list of various adverse condition and forecast layer products or Local Area Knowledge (LAK) layer products – depending on which tab is selected.

### **Pan and Zoom Controls (7)**

Content of the map window can be zoomed in and out using the mouse scroll wheel or pinch gestures on a touchscreen device. The map also features controls in the upper right corner to provide zooming capabilities in fixed intervals.

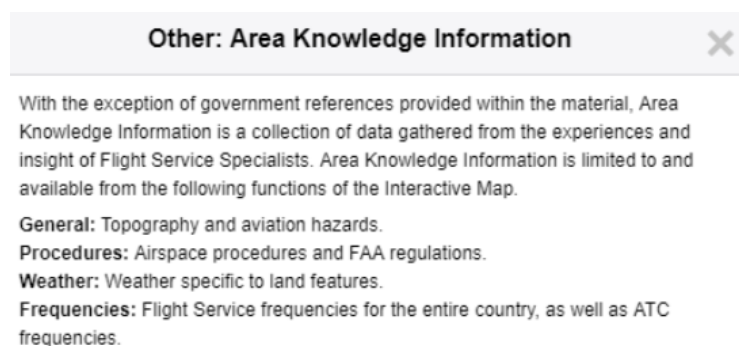
### **Access to Legends (8)**

Pressing the  icon on the lower right corner of the screen will display legends for any products that are currently selected. Legends can also be minimized by pressing the subsequent  icon.

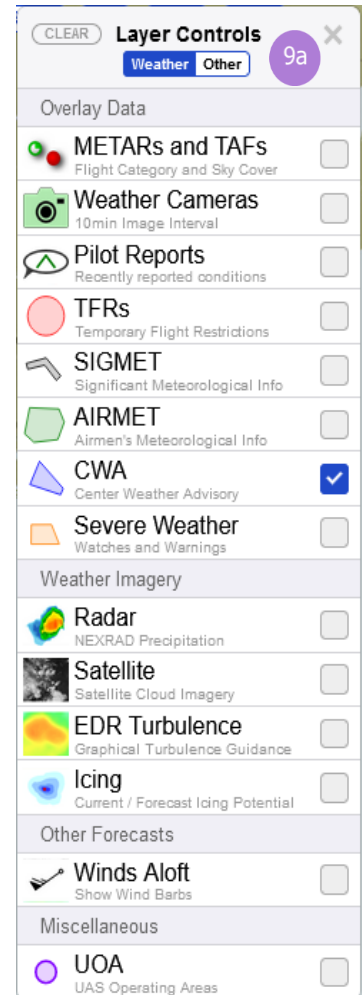
## **b. Additional Functions by Product Selection**

### **Details of Layer Controls (9a and 9b)**

Layer Controls can be toggled between “Weather” and “Other” by pressing the Weather or Other icon. The selection will be persisted across user sessions. Toggling to “Other” displays Local Area Knowledge (LAK) layers and Frequencies, while toggling to “Weather” displays Weather layers only. The “CLEAR” button clears LAK layers and Frequencies when on the “Other” tab, and only Weather layers when on the “Weather” tab. When on the “Other” tab, the “What is this?” link is displayed to the right of the Other icon. Clicking on the “What is this?” link opens a popup entitled “Other: Area Knowledge Information” which explains the LAK layers and Frequencies.



Weather layer controls (9a) include controls for weather product layers. Weather product layers can be toggled on and off, and will remain in the last known state across user sessions. Two primary types of weather data can be displayed on the map.



Overlay data includes the following, and can be displayed simultaneously:

- METARs and TAFs
- Weather Cameras
- Pilot Reports
- Temporary Flight Restrictions (TFRs)
- Significant Meteorological Information (SIGMETs)
- Airmen’s Meteorological Information (AIRMETs)
- Center Weather Advisory (CWA)
- Severe Weather
- Winds Aloft
- UAS Operating Areas (UOA)

Weather imagery includes the following, and can only be displayed one product at a time:

- Radar (NEXRAD Precipitation)

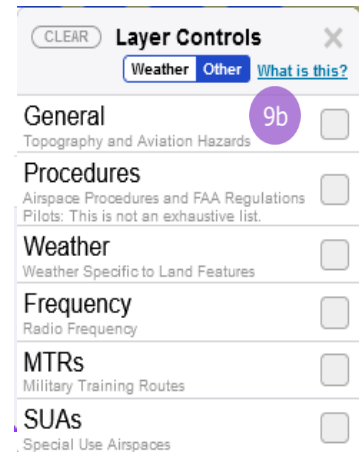


- Satellite (Cloud Imagery)
- EDR Turbulence (Graphical Turbulence Guidance)
- Icing (Current/Forecast Icing Potential)

If weather products are missing or stale, a warning message will be displayed on the interactive map when the products are selected for display.

Other layer controls (9b) include controls for LAK layers and Frequencies. LAK layers and Frequencies can be toggled on and off, and will remain in the last known state across user sessions. LAK and Frequency data includes the following:

- General (Topography and Aviation Hazards)
- Procedures (Airspace Procedures and FAA Regulations)
- Weather (Weather Specific to Land Features)
- Frequency (Radio Frequency)



General, Procedures, Weather and Frequency layers can be displayed simultaneously.

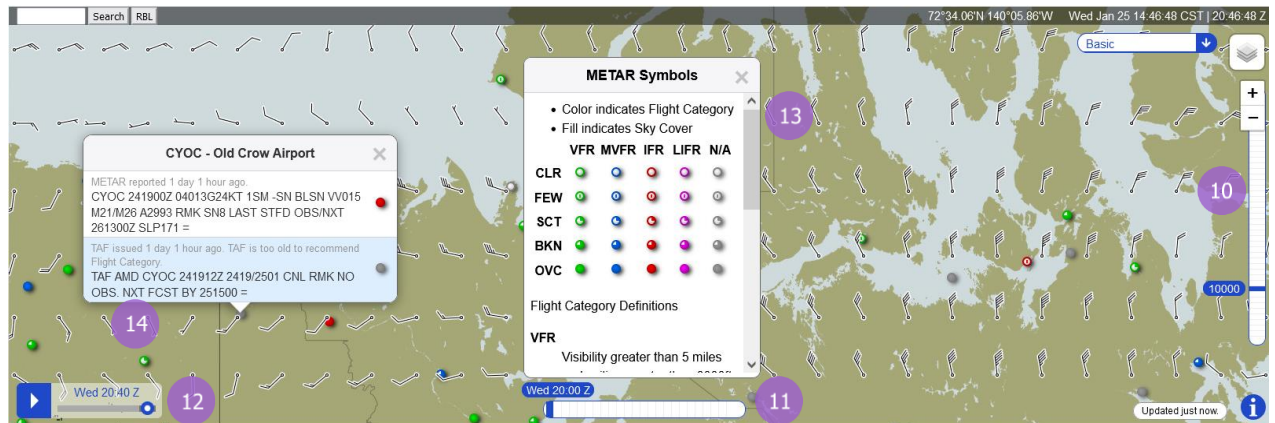
Frequency layer includes FSS, Center High, Center Low, AWOS and Approach sub layers. Only one frequency sub layer can be displayed at a time. Because of the large numbers of individual frequencies that exist, only the frequencies for the highest priority airports are shown when the map is zoomed out past a certain level. As the map is zoomed in, additional frequencies for lower priority airports at that location are shown.

Some product types contain multiple sub products that are only shown when the associated product group is selected. From this expanded selection, sub product layers can be turned on and off individually.

Certain products will also enable additional controls, such as the Flight Level Slider, Time Slider, and Animation Controls, which are discussed in more detail below.

The map is configured to refresh layer data every 5 minutes. The amount of time since the last refresh is indicated by text on the lower right hand side of the map.

NOTE: When the Single Site Radar layer is enabled, pressing on any site with a radar icon will expose local radar imagery.



## Flight Level Slider (10)

The Flight Level Slider will appear on the right hand side of the map when certain product layers (EDR Turbulence, Icing, and Winds Aloft) are selected. When a flight level is selected, only the layer data applicable to the selected flight level is displayed. Legends for a particular product will reflect and display the selected flight level when applicable.

Upon opening or refreshing the map, the slider will return to its default level of 10,000 feet.

## Time Slider (11)


The Time Slider will appear on the bottom middle portion of the map when certain product layers (METARs and TAFs, TFRs, AIRMETS, EDR Turbulence, Icing, and Winds Aloft) are selected. When a time is chosen, in UTC hourly increments, only the layer data active during the selected timeframe is displayed. Legends for a particular product will reflect and display the selected time when applicable.

Upon opening or refreshing the map, the slider defaults to the current time, which is always displayed in the furthest left slider position. Up to 23 hours of future data can be viewed by pressing on slider values to the right.

## Animation Controls (12)

The Animation Controls appear on the bottom left corner of the map when either the Radar or Satellite overlay layers are selected. Weather imagery can be played in a continuous loop, or a specific forecast time can be selected from the slider control.

## Full Product Legends (13)

Full product legends are available for METARs and TAFs, Pilot Reports, and AIRMETS by pressing on the  icon within the applicable standard legend box. The full legend will appear in a dialog in the center of the window, and provide additional legend color and icon definitions.

If data for a selected overlay layer is unavailable for any reason, text within the abbreviated legend will inform the user that no data is found.

## Object Details (14)

Polygons and icons representing various adverse conditions, TFRs, or weather station locations can be pressed to open a dialog containing the full raw text for the selected object. In cases where the raw text string exceeds the maximum dialog size, a scrolling function is provided.

## c. Flight Plan Short Form

### Short Form Options (15)

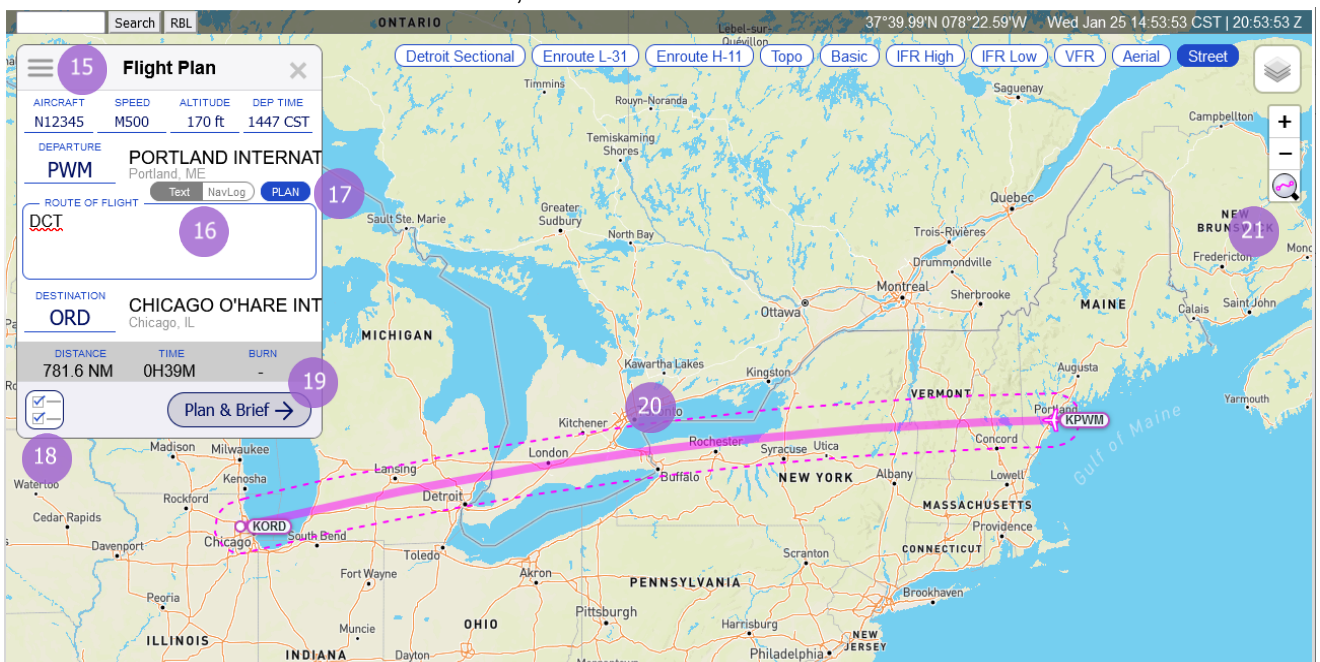
Pressing the ☰ icon on the Short Form opens a menu containing the options to create a new flight plan and auto-fill airways when applicable.

### New Flight Plan

Selecting New Flight Plan will clear the flight plan information. If a default aircraft has been configured it will populate the Aircraft field with the default aircraft and the Speed field if a speed has been configured for that aircraft.

### Auto-fill Airways


If the auto-fill airways control will enable/disable the insertion of airways in the route. When dragging and dropping the magenta course line, if two points are selected that are connected by an Airway, that airway is inserted in the route of flight. Low altitude airways are available for altitudes below 18,000 feet while high altitude airways are available for altitudes above 18,000 feet.



### **Route Text / NavLog Toggle (16)**

The route view can be switched between a textual route of flight and a simplified NavLog view by pressing on this toggle.

### **Plan (17)**

If a valid Departure and Destination are entered into the short form, the  button is displayed. When pressed it will open a dialog that provides the option to select from several route types. This includes GPS Direct, VOR Direct, Low Altitude V Airways, High Altitude J Routes, RNAV Low T Routes, RNAV High Q Routes, IFR - Recently Cleared, FAA Preferred, and Coded Departure routes.

### **Open Graphical Checklist (18)**

Pressing the icon opens the graphical checklist dialog. This icon is made available when a valid Departure and Destination is entered in the Flight Plan Short Form.


### **Transfer to Full Flight Planning and Briefing Page (19)**

Pressing the button labeled “Plan & Brief” will navigate the browser window to the full Plan & Brief page, transferring any entered flight plan fields into a draft flight plan form.

### **Route Depiction (20)**

When a valid Departure and Destination is entered on the short form, a graphical representation of the route is displayed on the Interactive Map, including all waypoints entered in the Route of Flight box. This route graphic can be grabbed at any point along the route and manipulated to create a new route.

### **Zoom to Route (21)**

The  button is available whenever a route of flight is displayed on the map. When pressed, the map will be zoomed and centered on the route of flight.

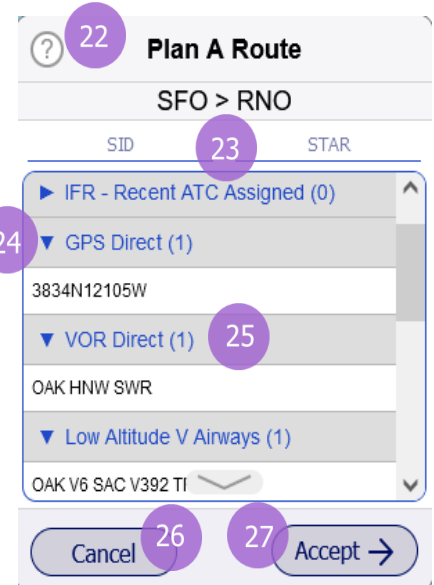
#### **d. Plan a Route**

Plan a Route provides routing options between the departure and destination locations that are entered in the flight plan. The system will attempt to generate routes for each route type. When a route is selected on the list, the route will be highlighted and the map will display the route.


Route types:

- IFR - Recent ATC Assigned
- GPS Direct
- VOR Direct
- Low Altitude V Routes
- High Altitude J Routes
- RNAV Low T Routes
- RNAV High Q Routes
- FAA Preferred
- Coded Departure

*Note that calculated routes do not consider weather, flight restrictions, altitude, or traffic flow management initiatives and that it is the pilot's responsibility to verify the route is flyable given their aircraft's performance envelope, fuel capacity, equipment and weather conditions.*



### Help Dialog (22)

Selecting the help icon  will display an overview of each route type as well as equipment code definitions for Coded Departure routes.

### SID and STAR Selection (23)

SIDS and STARs are only available for departure and destination airports that support them. For GPS Direct, VOR Direct, V, J, T, and Q routes, the selection of a SID or STAR causes the route to begin or end at the respective SID or STAR transition fix. The selection of a SID or STAR causes the presented routes for IFR - Recent ATC Assigned, FAA Preferred, and Coded Departure to be filtered to only those routes containing the selected SID or STAR.

### Section Toggle (24)

Each route section can be expanded or collapsed in order to limit the routes that are displayed.

### Route Quantity (25)

For each route type, the number of routes that were found will be displayed as a number in parenthesis following the route type name.

### Cancel Button (26)

Selecting the “Cancel” button will close the Plan a Route dialog and the display the flight plan. The route field will contain the same route as before the Plan a Route dialog was opened.

### Accept Button (27)

Selecting the “Accept” button will close the Plan a Route dialog and display the flight plan. The selected route will appear in the route field. This will overwrite the previous route that was contained in the route field.

### **Route Type Descriptions**

**IFR - Recent ATC Assigned:** The most frequently assigned routes by air traffic control over the past 24 hours for flights between the flight plan departure and destination.

**GPS Direct:** The direct route between the flight plan departure and destination consisting of GPS coordinates (latitude and longitude) at predetermined distances.

**VOR Direct:** The shortest route of flight between the flight plan departure and destination for navigating by VORs.

**Low Altitude V Airways:** An optimized route between the flight plan departure and destination using low altitude Victor Airways.

**High Altitude J Routes:** An optimized route between the flight plan departure and destination using high altitude Jet Routes.

**RNAV Low T Routes:** An optimized route between the flight plan departure and destination using low altitude RNAV T Routes.

**RNAV High Q Routes:** An optimized route between the flight plan departure and destination using high altitude RNAV Q Routes.

**FAA Preferred:** The FAA predefined routes between the flight plan departure and destination designed to decrease delays from weather, traffic density, and other system delays. Not all airport pairs have FAA preferred routes.

**Coded Departure:** The FAA predefined routes between the flight plan departure and destination meant to reduce workload between various ATC facilities and frequency congestion by minimizing read-back time between ATC and pilots. Not all airport pairs have FAA coded departure routes. See [FAA overview](#).

#### Equipment Code Definitions:

1. Basic navigational routes
2. Routes with RNAV DPs and/or STARs
3. Routes with Q-route segments and/or pitch and catch points

#### Notes:

- SIDs and STARs for a given airport will be provided regardless of RNAV equipment provided in the flight plan.
- Routes are provided for all options regardless of the flight plan altitude.
- Routes are provided for all options regardless of RNAV equipment provided in the flight plan.
- Provided routes do not consider weather conditions, aeronautical restrictions, altitude, or traffic flow management initiatives. It is the pilot's responsibility to



verify the route is navigable given aeronautical restrictions, weather conditions, the aircraft's performance capabilities, fuel capacity, and equipment.


#### e. Graphical Checklist

The graphical checklist dialog can be used to create a selection of adverse conditions, satellite and radar layers, charts, websites, and other artifacts that can be stepped through and individually displayed on the Interactive Map when selected. This provides a visual representation of selected items that parallel those contained within a briefing, but is not considered a substitute for an actual briefing.

Viewed contents of a checklist can be manually logged to record what was displayed to the user, and when it was displayed.

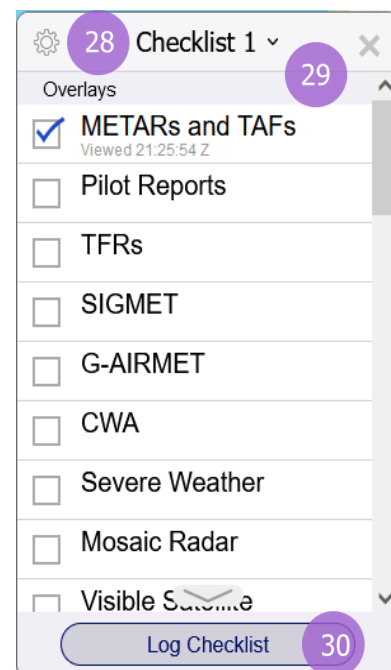
If weather products are missing or stale, a warning message will be displayed on the interactive map when the products are selected for display.

##### Checklist Editor (28)

The checklist editor can be accessed by pressing the  icon, and provides the following capabilities:

- Create new checklist or a copy of a saved checklist
- Delete checklist
- Select default checklist

Checklists can be built by selecting any combination of overlay layers, available weather charts, suggested external URLs, or user-specified external URLs.



##### Checklist Selection Dropdown (29)

The checklist selection dialog can be used to select from one of up to 5 saved custom graphical checklists.

##### Log Checklist (30)

Pressing the button labeled “Log Checklist” will log all viewed checklist items, along with the respective timestamp indicating the time last viewed, to a pilot's history.

#### f. Range Bearing Line Drawing Mode

When the RBL button is pressed and displayed in blue, the interactive map is in Range Bearing Line (RBL) Drawing Mode. When in RBL Drawing Mode, the cursor is used to draw a line from a selected starting point on the interactive map, along with a ring centered on the selected starting point, to another point on the interactive map dependent on the cursor position while in RBL Drawing Mode, and dynamically display

the orientation information for the line/ring being drawn. If an RBL is drawn to a large enough scale, the bearing line will depict a curve. This functionality was added to better reflect the Mercator projection space currently being used for the Map, similar to the route of flight.

### **How to draw RBL**

1. Select the “RBL” button at the top left of the Map to turn on RBL Drawing Mode
  - a. While in RBL Drawing Mode, most map functionality will be disabled, as to not interfere with the drawing of the RBL.
  - b. The cursor turns into a cross-hair to indicate you are in RBL Drawing Mode
2. Left mouse click/press on the map to start drawing an RBL
3. Continue to hold down the left mouse click/press to drag the RBL drawing to a new location
4. Releasing the left mouse click/press will end the RBL Drawing Mode
  - a. Standard Map functionality will be re-established
5. To draw again, re-select the “RBL” button
  - a. Range bearing lines/rings can only be drawn one at a time, so the user must select the RBL button for each RBL that they want to draw.

### **How to remove RBL**

1. Left click on a range bearing line/ring and a “Remove RBL” pop-up will display
2. Two options will be presented under the popup:
  - a. Remove Selected Range Bearing Line and Range Ring
  - b. Remove All Range Bearing Lines and Range Rings

### **RBL Label Format**

The orientation information on the RBL label follows this format:

`[(<NAVAID TYPE>:<NAVAID ID>)] dddd.dnm AAA°/BBB°`

1. The NAVAID type and identifier if applicable. Only shows on label if selected starting point contains a NAVAID object within 0.5nm.
2. The range (dddd.dnm), in nautical miles, from the selected starting point to the current cursor position while in RBL Drawing Mode
3. The bearing (AAA°), in degrees from magnetic north, from the selected starting point to the current cursor position while in RBL Drawing Mode
4. The bearing (BBB°), in degrees from magnetic north, from the current cursor position while in RBL Drawing Mode to the selected starting point

### **Bearing Calculation**

The magnetic bearing is calculated based on the declination at the selected starting point of the RBL drawing on the Map.

### **Station Declination**



If the RBL drawing contains a navigational aid (NAVAID) object within 0.5 nautical miles of the selected starting point, then the station declination of the NAVAID object is used to calculate the magnetic bearing.

If there is more than one NAVAID object within 0.5nm of the selected starting point, the following precedence will be used to determine which station declination value is used to calculate the magnetic bearing:

1. VORTAC
2. VOR
3. VOR/DME
4. DME
5. NDB
6. TACAN

NAVAID object type WAYPOINT is intentionally excluded from the above list.

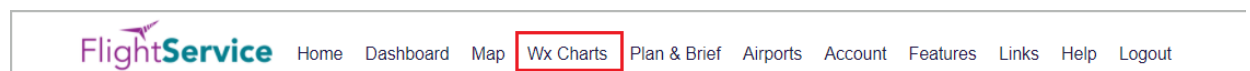
If there is more than one NAVAID object of the same type within 0.5nm of the selected starting point, the precedence between the objects is determined by the alphabetical order of their identifiers.

### **Magnetic Declination**

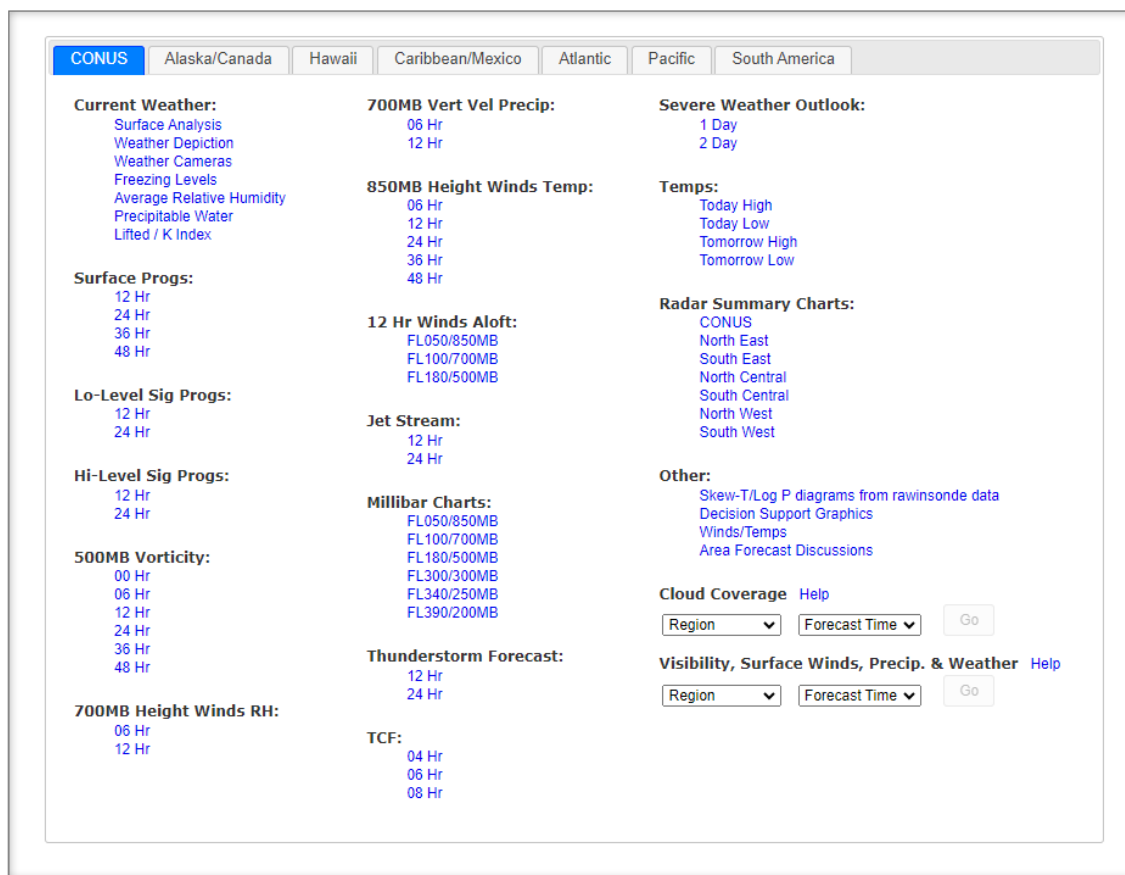
If the RBL drawing does not contain a NAVAID object within 0.5nm of the selected starting point, then the latitude and longitude of the selected starting point is used to get the magnetic declination/variation from adaptation data to calculate the magnetic bearing.

## **8. Wx Charts**

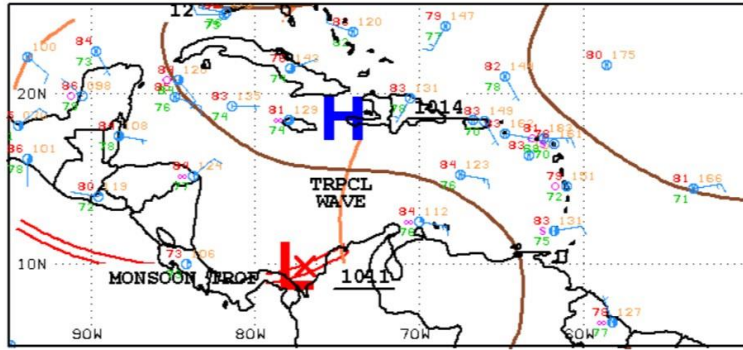
The Wx Charts Page (Weather Page) is opened by selecting the Wx Charts menu bar item. The page allows users to view graphical weather data for a variety of geographic areas.



Select the desired geographic area via the tabs, then select the specific graphical product within the geographic area. Each area has numerous weather charts available. Clicking on external links on the page such as Area Forecast Discussions will open an external webpage in a separate window. GFA Products such as Cloud Coverage allow you to choose a region and forecast time and then click the Go button to open the specific product in a new window. All other links in the list will directly display the selected product in a new window.



The examples below depict some of these various weather products. Additional features in some of these charts include the ability to view the complete legend as well as the ability to scroll through certain charts that are part of a series for a particular category within a region. Some of the charts in the CONUS Tab, Alaska/Canada Tab, Hawaii Tab, Caribbean/Mexico, Atlantic Tab, and Pacific Tab will include animation controls to allow the charts to be scrolled through automatically. When the play button is clicked, each of the charts in the associated list are displayed one after another in time order, starting with the one currently displayed, with a dwell time for each based on the value of the Slow/Fast Gauge. When the play button is selected, it changes to a pause button. Also, when the play button is selected, the left and right arrows and links will be hidden from display. The Slow/Fast Gauge allows the dwell time of the animation to be adjusted from a minimum of 2 seconds per chart (slid all the way to the left) to a maximum of 10 seconds per chart (slid all the way to the right). The Complete Legend link can be seen at the bottom of the window in the first two examples. Clicking on the link will open a new window showing the full legend. The first two examples below show the slow/fast gauge with the pause and play button. All the examples show the scroll links with arrows on the bottom left and/or right to allow the user to replace the chart with the previous/next in the series of charts.

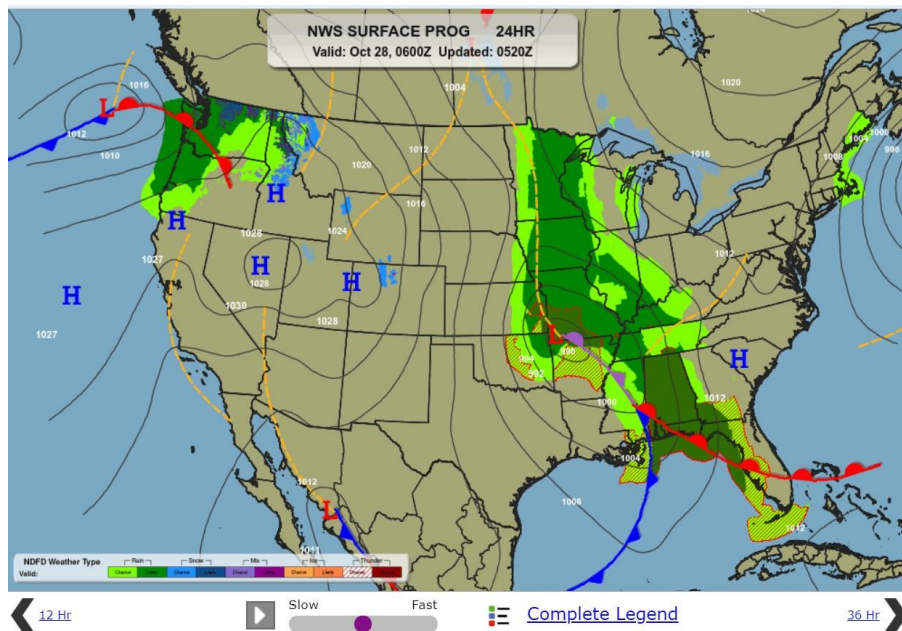


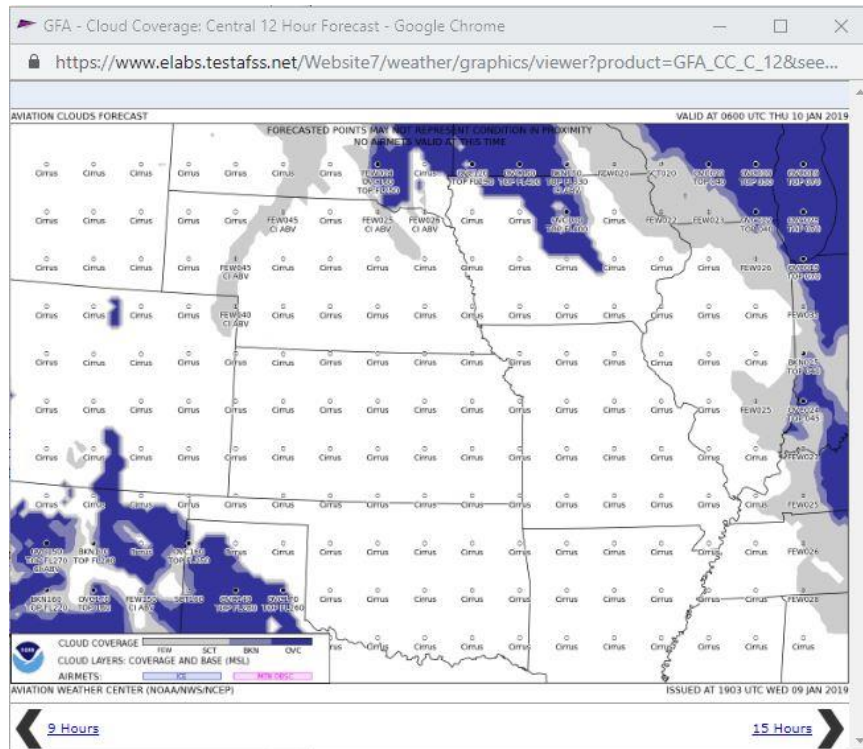
00Z CARIBBEAN SURFACE ANALYSIS  
ISSUED:  
Wed Oct 27 02:25:03 UTC 2021

NATIONAL HURRICANE CENTER  
MIAMI, FLORIDA  
BY TAFB ANALYST: EC  
COLLABORATING CENTERS: NHC OPC



[Complete Legend](#) [CARIB SURFACE ANALYSIS](#)





## 9. Plan & Brief

Hovering over Plan & Brief in the menu bar displays the drop-down menu shown below. If the pilot has Pre-Stored Flight Plan (PSFP) access, an additional link for Scheduled Flight Plans will be displayed.

- Plan & Brief
- Scheduled Flight Plans (Displayed with PSFP access)
- Pilot History
- UAS NOTAM Form



### Plan & Brief

The Plan & Brief page allows pilots to:

- Create new flight plans
- Perform area and route briefings

- Generate a navigation log (NavLog)
- Manage favorite flight plans
- Retrieve recent flight plans.

The Plan & Brief page supports both Domestic and ICAO compliant flight plans. Each flight plan form is offered as a separate template because of the differences in requirements between Domestic and International (ICAO) flight plans.

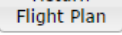
You can switch between the two templates by clicking on the Domestic or ICAO button

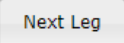
on the top right of the page   Domestic

When the Domestic button is selected, the Domestic Flight Plan template displays.

When the ICAO button is selected, the ICAO Flight Plan template displays.


Please note that although entered field data will be retained if you navigate to another page, switching between the Domestic and ICAO Flight Plan template may result in some entered data being lost due to differences in requirements between Domestic and ICAO flight plans.

A return flight plan in Draft status can be created by clicking the  button on the bottom right of the page. The new flight plan for the return flight route will switch the Departure and Destination field, as well as reverse the Route. Please note that some information may be lost due to it no longer being relevant in the return route of the flight.

Click the  button on the bottom right of the page to create a draft flight plan for the next leg in a flight. The new next leg draft plan will set the Destination to the Departure. Please note that some information may be lost because it is no longer relevant to the next leg of the flight.

## 9.1. Flight Planning

Each form identifies the required fields to file a flight plan of that type.

Some fields have helper dialog which is accessible by clicking on the  icon next to the field to assist with searching and selecting the appropriate values.

Hovering with the mouse pointer over any field label will provide a summary of general syntax and semantic rules for the field and indicate for which actions the field is required. Clicking the label will provide more detailed information about the field.

**a. Domestic Flight Plan Form Validation**

The syntax validation for the fields and the required minimum fields for additional actions for flight planning and briefing are described in the table below.

**Draft**

Recent Flight Plans

Favorite Flight Plans

Save as Favorite

ICAO | Domestic

Notice: Per FAA Guidance, all civilian flight plans must be filed as ICAO flight plans.

Flight Rule <div></div>	Aircraft ID <div></div>	Aircraft Type <div></div>	Aircraft Equipment <div></div>	No. of Aircraft <div>1</div>	Heavy <div></div>	Airspeed <div></div>	Altitude (100s ft) <div></div>	Optimize
Departure <div></div> <div>Area Brief</div>		Departure Date & Time <div>MM/DD/YYYY</div> <div>HHMM</div> <div>UTC</div> <div>1-120</div> <div>Apply Minutes From Now</div>		Route of Flight (Blank for direct) <div></div> <div>Map</div> <div>Plan</div>				
Destination <div></div> <div>Area Brief</div>		Time Enroute <div>HHMM</div>	Fuel on Board <div>HHMM</div>	Remarks (Optional) <div></div>		No. on Board <div></div>		
Alternate 1 (Optional) <div></div> <div>Area Brief</div>		Alternate 2 (Optional) <div></div> <div>Area Brief</div>		Pilot Contact Information <div></div>		Aircraft Color <div></div>		

Route Brief

File

NavLog

Return Flight Plan

Clear

DOMESTIC FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
Domestic Flight Plan		
• Flight Rule	• VFR, IFR, MVFR, or MIFR	• Route Brief • File • Amend • Activate • Save Favorite • Optimize Altitude
• Aircraft ID	• 1 letter followed by 1-6 alphanumeric characters Example: <b>N0819W</b>	• Route Brief • File • Amend • Activate • Dep/Dest/Altn1/Altn2 Area Brief • NavLog • Optimize Altitude • Evaluate Departure Time
• Aircraft Type	• 1 letter followed by 1-3 alphanumeric characters <ul style="list-style-type: none"> <li>Must be valid aircraft type in Aircraft Type Search</li> </ul> Examples: <b>J2, C25A, B738</b>  Refer to <b>Domestic Flight Plan Form</b> , Aircraft Type Search for details.	• File • Amend • Activate
• Aircraft Equipment	• 1 letter Refer to <b>Domestic Flight Plan Form</b> , Aircraft Equipment for details.	• File • Amend • Activate
No. of Aircraft	• 1-2 digits Example: <b>1</b>	N/A
Heavy	• Aircraft takeoff weights of at least 300,000 pounds	N/A
• Airspeed	• Airspeed value "zero" not allowed	• Route Brief

DOMESTIC FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	<ul style="list-style-type: none"> <li>Knots: 2-4 digits, max of 3700</li> <li>Mach: M followed by 3 digits, max of 500, with an implicit decimal after the first digit (M075 = 0.75 Mach, M200 = 2.00 Mach, M312 = 3.12 Mach)</li> </ul> <p>Examples: <b>50, 100, 130, M100</b></p>	<ul style="list-style-type: none"> <li>File</li> <li>Amend</li> <li>Activate</li> <li>NavLog</li> <li>Optimize Altitude</li> <li>Evaluate Departure Time</li> </ul>
<ul style="list-style-type: none"> <li>Altitude (100s ft)</li> </ul>	<ul style="list-style-type: none"> <li>Flight Level: 2-3 digits</li> <li>OTP: OTP</li> <li>OTP and Flight Level: OTP/ followed by 2-3 digits</li> <li>VFR: VFR</li> <li>VFR and Flight Level: VFR/ followed by 2-3 digits</li> <li>ABV and Flight Level: ABV/ followed by 2-3 digits</li> <li>Block Altitude: 2-3 digits followed by B and 2-3 digits</li> </ul> <p>Examples: <b>65, 80, 210, VFR/095</b></p> <p><b>Additional Format Rules for Use of Altitude Optimization:</b></p> <p>IFR, MIFR flights:</p> <ul style="list-style-type: none"> <li>&gt; Flight Level: 20-600</li> <li>&gt; ABV and Flight Level: ABV/20-ABV/600</li> <li>&gt; OTP and Flight Level: OTP/20-OTP/600</li> <li>&gt; VFR and Flight Level: VFR/25-VFR/179</li> </ul> <p>VFR, MVFR flights:</p> <ul style="list-style-type: none"> <li>&gt; Flight Level: 25-179</li> <li>&gt; ABV and Flight Level: ABV/25-ABV/179</li> <li>&gt; OTP and Flight Level: OTP/25-OTP/179</li> <li>&gt; VFR and Flight Level: VFR/25-VFR/179</li> </ul> <p><b>Additional Format Rules for Use of Evaluate Departure Time:</b></p> <p>IFR, MIFR, VFR, MVFR flights:</p> <ul style="list-style-type: none"> <li>&gt; Flight Level: 00-999</li> <li>&gt; ABV and Flight Level: ABV/00-ABV/999</li> <li>&gt; OTP and Flight Level: OTP/00-OTP/999</li> <li>&gt; VFR and Flight Level: VFR/01-VFR/179</li> <li>&gt; Block Altitude: 00B01-998B999</li> </ul>	<ul style="list-style-type: none"> <li>Route Brief</li> <li>File</li> <li>Amend</li> <li>Activate</li> <li>NavLog</li> <li>Optimize Altitude</li> <li>Evaluate Departure Time</li> </ul>
<ul style="list-style-type: none"> <li>Departure</li> </ul>	<ul style="list-style-type: none"> <li>2-5 alphanumeric airport/heliport/navaid (excluding NDB), or waypoint identifier</li> </ul> <p>Examples: <b>HGR, KSEA, 90I5</b></p> <p>Refer to <b>Domestic Flight Plan Form</b>, Departure/Destination/Alternates for details.</p> <ul style="list-style-type: none"> <li>8-12 character latitude/longitude in the format aabb(A)(/)(c)ccdd(B), where parentheses denote optional characters <ul style="list-style-type: none"> <li>aa is degrees latitude in the range 00-90</li> <li>bb is minutes latitude in the range 00-59</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Route Brief</li> <li>File</li> <li>Amend</li> <li>Activate</li> <li>Dep Area Brief</li> <li>Save Favorite</li> <li>NavLog</li> <li>Optimize Altitude</li> <li>Plan a Route</li> <li>Evaluate Departure Time</li> </ul>



DOMESTIC FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	<ul style="list-style-type: none"> <li>(c)cc is degrees longitude in the range 00-180</li> <li>dd is minutes longitude in the range 00-59</li> <li>(A) is either N or S (North or South, default to N if unspecified)</li> <li>(B) is either W or E (West or East, default to W if unspecified)</li> </ul> <p>Example: <b>4449N/7322W</b></p> <ul style="list-style-type: none"> <li>Location name is required in the Remarks field when latitude/longitude is used for departure. Use the displayed Latitude/Longitude Location Name dialog for assistance.</li> <li>9-11 alphanumeric fix-radial-distance in the format (A)(A)AAAAaabb, where parentheses denote optional characters             <ul style="list-style-type: none"> <li>(A)(A)AAA is 3-5 alphanumeric airport/heliport/NAVAID (excluding NDB)/waypoint identifier</li> <li>aaa is radial measure in degrees from North in the range 001-360</li> <li>bbb is distance in nautical miles in the range 001-999</li> </ul> </li> </ul> <p>Example: <b>HGR001024</b></p> <p>For restrictions, refer to <b>Flight Planning Restrictions</b>.</p>	
<ul style="list-style-type: none"> <li>Departure Date &amp; Time</li> </ul>	<ul style="list-style-type: none"> <li>MM/DD/YYYY; based off of the selected time zone value</li> <li>HHMM; where HHMM are 4 digits, current time based off of the selected time zone value; if not available, will default to UTC time</li> <li>Time zone:             <div> <div>AST</div> <div>ADT</div> <div>EST</div> <div>EDT</div> <div>CST</div> <div>CDT</div> <div>MST</div> <div>MDT</div> <div>PST</div> <div>PDT</div> <div>AKST</div> <div>AKDT</div> <div>HST</div> <div>UTC</div> </div> </li> </ul> <p><b>Note:</b> Both date and time can be automatically populated by an Apply Minutes From Now action.</p>	<ul style="list-style-type: none"> <li>Route Brief</li> <li>File</li> <li>Amend</li> <li>Activate</li> <li>Dep/Dest/Alt1/Alt2 Area Brief</li> <li>NavLog</li> <li>Optimize Altitude</li> <li>Evaluate Departure Time</li> </ul>
Route of Flight (Leave blank for direct)	<ul style="list-style-type: none"> <li>2-558 characters</li> <li>3-5 alphanumeric airport/heliport/NAVAID/waypoint identifier</li> </ul> <p>Examples: <b>HGR, KSEA, 90I5</b></p> <ul style="list-style-type: none"> <li>8-12 character latitude/longitude in the format aabb(A)(/)(c)ccdd(B), where parentheses denote optional characters</li> </ul>	N/A



DOMESTIC FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	<ul style="list-style-type: none"> <li>aa is degrees latitude in the range 00-90</li> <li>bb is minutes latitude in the range 00-59</li> <li>(c)cc is degrees longitude in the range 00-180</li> <li>dd is minutes longitude in the range 00-59</li> <li>(A) is either N or S (North or South, default to N if unspecified)</li> <li>(B) is either W or E (West or East, default to W if unspecified)</li> </ul> <p>Example: <b>4449N/7322W</b></p> <ul style="list-style-type: none"> <li>8-11 alphanumeric fix-radial-distance in the format (A)(A)(A)AAaaabbb, where parentheses denote optional characters <ul style="list-style-type: none"> <li>(A)(A)(A)AA is 2-5 alphanumeric airport/heliport/NAVAID/waypoint identifier</li> <li>aaa is radial measure in degrees from North in the range 001-360</li> <li>bbb is distance in nautical miles in the range 001-999</li> </ul> </li> </ul> <p>Example: <b>HGR001024</b></p> <ul style="list-style-type: none"> <li>V and J Airways <ul style="list-style-type: none"> <li>V Airway in the format Vd(d)(d), where parentheses denote optional digits</li> <li>J Airway in the format Jd(d)(d), where parentheses denote optional digits</li> </ul> </li> </ul> <p>Examples: <b>V469, J123</b></p> <ul style="list-style-type: none"> <li>Standard Instrument Departure (SID) <ul style="list-style-type: none"> <li>1 letter followed by 2-5 alphanumeric characters</li> </ul> </li> </ul> <p>Example: <b>DRWN6</b></p> <ul style="list-style-type: none"> <li>Standard Terminal Arrival Route (STAR) <ul style="list-style-type: none"> <li>1 letter followed by 2-5 alphanumeric characters</li> </ul> </li> </ul> <p>Example: <b>SKETR5</b></p> <ul style="list-style-type: none"> <li>Military Training Route (MTR, restricted) <ul style="list-style-type: none"> <li>Format LLdd(d)(d), where LL = AR, IR, VR, SR and d = alphanumerics, parenthese denote optional.</li> <li>An MTR must be filed with an entry fix preceeding the MTR name and an exit fix following the MTR name.</li> </ul> </li> </ul> <p>Full Route Example:  <b>MRB V39 SDZ V3 FLO V437 CHS V1 STARY V437 KIZER V267 PAOLA</b></p> <p>For validations, refer to <b>Route of Flight Validations</b>.</p> <p>For restrictions, refer to <b>Flight Planning Restrictions</b>.</p>	

DOMESTIC FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
<ul style="list-style-type: none"> <li>Destination</li> </ul>	<ul style="list-style-type: none"> <li>3-5 alphanumeric airport/heliport/navaid (excluding NDB), or waypoint identifier Examples: <b>HGR, KSEA, 9015</b></li> </ul> <p>Refer to <b>Domestic Flight Plan Form</b> for details.</p> <ul style="list-style-type: none"> <li>8-12 character latitude/longitude in the format aabb(A)/(c)ccdd(B), where parentheses denote optional characters <ul style="list-style-type: none"> <li>aa is degrees latitude in the range 00-90</li> <li>bb is minutes latitude in the range 00-59</li> <li>(c)cc is degrees longitude in the range 00-180</li> <li>dd is minutes longitude in the range 00-59</li> <li>(A) is either N or S (North or South, default to N if unspecified)</li> <li>(B) is either W or E (West or East, default to W if unspecified)</li> </ul> </li> </ul> <p>Example: <b>4449N/7322W</b></p> <ul style="list-style-type: none"> <li>Location name is required in the Remarks field when latitude/longitude is used for destination. Use the displayed Latitude/Longitude Location Name dialog for assistance.</li> </ul> <ul style="list-style-type: none"> <li>9-11 alphanumeric fix-radial-distance in the format (A)(A)AAAaaabbb, where parentheses denote optional characters <ul style="list-style-type: none"> <li>(A)(A)AAA is 3-5 alphanumeric airport/heliport/navaid (excluding NDB)/waypoint identifier</li> <li>aaa is radial measure in degrees from North in the range 001-360</li> <li>bbb is distance in nautical miles in the range 001-999</li> </ul> </li> </ul> <p>Example: <b>HGR001024</b></p> <p>For restrictions, refer to <b>Flight Planning Restrictions</b>.</p>	<ul style="list-style-type: none"> <li>Route Brief</li> <li>File</li> <li>Amend</li> <li>Activate</li> <li>Dest Area Brief</li> <li>Save Favorite</li> <li>NavLog</li> <li>Optimize Altitude</li> <li>Plan a Route</li> <li>Evaluate Departure Time</li> </ul>
<ul style="list-style-type: none"> <li>Time Enroute</li> </ul>	<ul style="list-style-type: none"> <li>HHMM; where HHMM are 4 digits Example: <b>0430</b></li> </ul>	<ul style="list-style-type: none"> <li>File</li> <li>Amend</li> <li>Activate</li> </ul>
<ul style="list-style-type: none"> <li>Fuel on Board</li> </ul>	<ul style="list-style-type: none"> <li>HHMM; where HHMM are 4 digits Example: <b>0600</b></li> </ul>	<ul style="list-style-type: none"> <li>File</li> <li>Amend</li> <li>Activate</li> </ul>
<ul style="list-style-type: none"> <li>Remarks</li> </ul>	<ul style="list-style-type: none"> <li>1-325 characters Example: <b>STUDENT SOLO FLIGHT</b></li> <li>Location name is required in the Remarks field when latitude/longitude is used for departure and/or destination. Use the displayed Latitude/Longitude Location Name dialog for assistance.</li> </ul>	N/A
<ul style="list-style-type: none"> <li>No. on Board</li> </ul>	<ul style="list-style-type: none"> <li>1-3 digits Example: <b>1</b></li> </ul>	<ul style="list-style-type: none"> <li>File</li> <li>Amend</li> </ul>

DOMESTIC FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
Alternate 1	<ul style="list-style-type: none"> <li>3-4 alphanumeric airport/heliport identifier Examples: <b>HGR, KSEA, 9015</b></li> </ul> Refer to <b>Domestic Flight Plan Form</b> , Departure/Destination/Alternates for details. For restrictions, refer to <b>Flight Planning Restrictions</b> .	<ul style="list-style-type: none"> <li>Activate</li> <li>Alt Area Brief</li> </ul>
Alternate 2	<ul style="list-style-type: none"> <li>3-4 alphanumeric airport/heliport identifier Examples: <b>HGR, KSEA, 9015</b></li> </ul> Refer to <b>Domestic Flight Plan Form</b> , Departure/Destination/Alternates for details. For restrictions, refer to <b>Flight Planning Restrictions</b> .	<ul style="list-style-type: none"> <li>Alt2 Area Brief</li> </ul>
<ul style="list-style-type: none"> <li>Pilot Contact Information</li> </ul>	<ul style="list-style-type: none"> <li>1-200 characters Example: <b>JONES, BOB, (202) 555-1111</b> <b>HGR, (301) 555-2222</b></li> </ul>	<ul style="list-style-type: none"> <li>File</li> <li>Amend</li> <li>Activate</li> </ul>
Beacon Code	<ul style="list-style-type: none"> <li>4 octal digits (0000-7777). Only Present on form if assigned. Value cannot be changed by user.</li> </ul>	N/A
<ul style="list-style-type: none"> <li>Aircraft Color</li> </ul>	<ul style="list-style-type: none"> <li>1-15 letters               <ul style="list-style-type: none"> <li>Use a / to separate colors</li> </ul>               Examples: <b>W, R/T</b> </li> </ul> Refer to <b>Domestic Flight Plan Form</b> , Aircraft Color for details.	<ul style="list-style-type: none"> <li>File</li> <li>Amend</li> <li>Activate</li> </ul>

### The Latitude/Longitude Location Name Dialog

When a latitude/longitude value is entered in the Departure and/or Destination fields a description of the location(s) must be provided in the Remarks field. The following dialog is displayed for assistance:

**Latitude/Longitude Location Name**

When latitude/longitude is used for departure and/or destination, location name(s) must be entered in Remarks.

Edit Remarks to include location name(s).  
 Example: DEPARTING FROM CRYSTAL LAKES  
 Example: CROOKED CREEK TO BOSWELL CAMP

REAGAN AIRPORT

This text will replace the contents of the Remarks field.

OK

## b. ICAO Flight Plan Form Validation

The syntax validation for the fields and the required minimum fields for additional actions for flight planning and briefing are described in the table below.

Draft

ICAO

Domestic

Recent Flight Plans

Favorite Flight Plans

Save as Favorite

Notice: Per FAA Guidance, all civilian flight plans must be filed as ICAO flight plans.

\* Click field names for help

Aircraft ID

Flight Rule

Flight Type

No. of Aircraft

Aircraft Type

Wake Turbulence

Aircraft Equipment

Departure

Airport Info

Departure Date & Time

Evaluate

Cruising Speed

Level

Optimize

Surveillance Equipment

Route of Flight

Map

Plan

Other Information (Optional)

Destination

Airport Info

Est Elapsed Time

Calculate

Alternate 1 (Optional)

Airport Info

Alternate 2 (Optional)

Airport Info

Fuel Endurance

Persons on Board

Aircraft Color & Markings (Optional)

Supplemental Remarks (Optional)

Pilot In Command (Optional)

Emergency Radios

Survival Equipment

Jackets

Dinghies (Optional)

Pilot Contact Information

Route Brief

File

NavLog

Return Flight Plan

Next Leg

Clear

ICAO FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
ICAO Flight Plan		
• Aircraft ID	<ul style="list-style-type: none"> <li>2-7 alphanumeric characters</li> <li>Example: <b>N0819W</b></li> <li>Example: <b>0819W</b></li> </ul>	<ul style="list-style-type: none"> <li>File</li> <li>Amend</li> <li>Activate</li> <li>Standard Brief</li> <li>Outlook Brief</li> <li>Abbreviated Brief</li> <li>Area Brief</li> <li>NavLog</li> <li>Optimize Altitude</li> <li>Evaluate Departure Time</li> </ul>
• Flight Rule	<ul style="list-style-type: none"> <li>VFR, IFR, YFR, or ZFR</li> </ul>	<ul style="list-style-type: none"> <li>File</li> <li>Amend</li> <li>Activate</li> <li>Standard Brief</li> <li>Outlook Brief</li> <li>Abbreviated Brief</li> <li>Save As Favorite</li> </ul>
• Flight Type	<ul style="list-style-type: none"> <li>S, N, G, M, D, or X</li> </ul>	<ul style="list-style-type: none"> <li>File</li> <li>Amend</li> </ul>
No. of Aircraft	<ul style="list-style-type: none"> <li>1-2 digits</li> <li>Example: 1</li> </ul>	N/A

ICAO FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
<ul style="list-style-type: none"> <li>Aircraft Type</li> </ul>	<ul style="list-style-type: none"> <li>1 letter followed by 1-3 alphanumeric characters <ul style="list-style-type: none"> <li>Must be valid aircraft type in Aircraft Type Search</li> </ul> Examples: <b>J2, C25A, B738</b> </li> </ul> <p>Refer to <b>ICAO Flight Plan Form</b> for details.</p>	<ul style="list-style-type: none"> <li>File</li> <li>Amend</li> <li>Activate</li> </ul>
<ul style="list-style-type: none"> <li>Wake Turbulence</li> </ul>	<ul style="list-style-type: none"> <li>H - Aircraft takeoff weights of at least 300,000 pounds</li> <li>M - Aircraft takeoff weights greater than 15,000 pounds, but less than 300,000 pounds</li> <li>L - Aircraft takeoff weights of 15,000 pounds or less</li> <li>The Wake Turbulence will be automatically populated based on the Aircraft Type.</li> </ul> <p>Refer to <b>ICAO Flight Plan Form</b> for details.</p>	<ul style="list-style-type: none"> <li>File</li> <li>Amend</li> <li>Activate</li> </ul>
<ul style="list-style-type: none"> <li>Aircraft Equipment</li> </ul>	<ul style="list-style-type: none"> <li>1-64 alphanumeric characters <ul style="list-style-type: none"> <li>Use Aircraft Equipment helper dialog for assistance.</li> <li>If the value R is entered, then Other Information must contain a PBN/ value.</li> <li>If the value Z is entered, then Other Information must contain either a NAV/, DAT/ or COM/ value.</li> </ul> Examples: <b>F, E3G, M3</b> </li> </ul> <p>Refer to <b>ICAO Flight Plan Form</b> for details.</p>	<ul style="list-style-type: none"> <li>File</li> <li>Amend</li> <li>Activate</li> </ul>
<ul style="list-style-type: none"> <li>Departure</li> </ul>	<ul style="list-style-type: none"> <li>3-4 alphanumeric airport identifier Examples: <b>KSEA, KHGR</b></li> <li>2-5 alphanumeric significant point (Not allowed for IFR and YFR Flights with departure, destination, or an alternate in Alaska ARTCC.)</li> <li>11 character latitude/longitude in the format aabbAccddB <ul style="list-style-type: none"> <li>aa is degrees latitude in the range 00-90</li> <li>bb is minutes latitude in the range 00-59</li> <li>ccc is degrees longitude in the range 000-180</li> <li>dd is minutes longitude in the range 00-59</li> <li>A is either N or S (North or South)</li> <li>B is either E or W (East or West)</li> </ul> Example: <b>4449N07322W</b> </li> <li>9-11 alphanumeric fix-radial-distance in the format (A)(A)AAAaaabbb, where parentheses denote optional characters <ul style="list-style-type: none"> <li>(A)(A)AAA is 3-5 alphanumeric airport/heliport/navaid (excluding NDB)/waypoint identifier; Alaska IFR/YFR flights may not use airports/heliports or waypoints in an FRD.</li> <li>aaa is radial measure in degrees from North in the range 001-360</li> <li>bbb is distance in nautical miles in the range 001-999</li> </ul> Example: <b>HGR001024</b> </li> <li>ZZZZ or AFIL <ul style="list-style-type: none"> <li>If ZZZZ or AFIL is entered, then a location of one of the above formats must be provided in <b>DEP/</b> in the Other information field</li> </ul> </li> </ul> <p>For restrictions, refer to <b>Flight Planning Restrictions</b></p>	<ul style="list-style-type: none"> <li>File</li> <li>Amend</li> <li>Activate</li> <li>Standard Brief</li> <li>Outlook Brief</li> <li>Abbreviated Brief</li> <li>Departure Area Brief</li> <li>Save As Favorite</li> <li>NavLog</li> <li>Optimize Altitude</li> <li>Plan a Route</li> <li>Evaluate Departure Time</li> </ul>
Departure Sunrise and Sunset	<ul style="list-style-type: none"> <li>HHMM TZ; where HHMM is the 4 digit time and TZ is the time zone. Example: <b>0530 EST</b></li> <li>Only present on form if Departure is valid and Departure Date and Time are entered.</li> <li>Value cannot be changed by user.</li> </ul>	N/A
<ul style="list-style-type: none"> <li>Departure Date &amp; Time</li> </ul>	<ul style="list-style-type: none"> <li>MM/DD/YYYY; based off of the selected time zone value</li> <li>HHMM; where HHMM are 4 digits, current time based off of the selected time zone value; if not available, will default to UTC time</li> </ul>	<ul style="list-style-type: none"> <li>Standard Brief</li> <li>Outlook Brief</li> <li>Abbreviated Brief</li> <li>File</li> </ul>

ICAO FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	<ul style="list-style-type: none"> <li>Time zone: <div> <div>AST</div> <div>ADT</div> <div>EST</div> <div>EDT</div> <div>CST</div> <div>CDT</div> <div>MST</div> <div>MDT</div> <div>PST</div> <div>PDT</div> <div>AKST</div> <div>AKDT</div> <div>HST</div> <div>UTC</div> </div> </li> </ul> <p><b>Note:</b> Both date and time can be automatically populated by an Apply Minutes From Now action.</p>	<ul style="list-style-type: none"> <li>Amend</li> <li>Activate</li> <li>Area Brief</li> <li>NavLog</li> <li>Optimize Altitude</li> <li>Evaluate Departure Time</li> </ul>
• Cruising Speed	<ul style="list-style-type: none"> <li>Airspeed value "zero" not allowed</li> <li>Knots: N (optional) followed by 4 digits, max of 3700 (N0210, 210 = 210 knots)</li> <li>Mach: M followed by 3 digits, max of 500, with an implicit decimal after the first digit (M075 = 0.75 Mach, M200 = 2.00 Mach, M312 = 3.12 Mach)</li> </ul> <p>Examples: <b>N0100, 100, M100</b></p>	<ul style="list-style-type: none"> <li>Route Brief</li> <li>File</li> <li>Amend</li> <li>Activate</li> <li>NavLog</li> <li>Optimize Altitude</li> <li>Evaluate Departure Time</li> </ul>
• Level	<ul style="list-style-type: none"> <li>Altitude in hundreds of feet, for flights below 18,000 feet, minimum is 100 feet: A (optional) followed by 3 digits (A090, 90 = 9,000 feet)</li> <li>Flight Level in hundreds of feet, for flights at or above 18,000 feet: F (optional) followed by 3 digits (F190, 190 = 19,000 feet)</li> <li>Altitude in tens of meters: M followed by 4 digits (M0230 = 2,300 meters)</li> <li>Standard Metric Level in tens of meters: S followed by 4 digits (S1230 = 12,300 meters)</li> <li>VFR with Altitude in hundreds of feet, minimum is 100 feet: VFR/ followed by 3 digits (VFR/170 = 17,000 feet)</li> <li>VFR: VFR</li> </ul> <p>Examples: <b>A090, 90, F190, 190, M0230, S1000, VFR/123</b></p> <p><b>Additional Format Rules for Use of Altitude Optimization:</b></p> <p>IFR, YFR flights:</p> <ul style="list-style-type: none"> <li>A020-A179</li> <li>F180-F600</li> <li>M0061-M1828</li> <li>S0061-S1828</li> <li>VFR/025-VFR/179</li> </ul> <p>VFR, ZFR flights:</p> <ul style="list-style-type: none"> <li>A025-A179</li> <li>M0077-M0548</li> <li>S0077-S0548</li> <li>VFR/025-VFR/179</li> </ul> <p><b>Additional Format Rules for Use of Evaluate Departure Time:</b></p> <p>IFR, YFR, VFR, ZFR flights:</p> <ul style="list-style-type: none"> <li>A001-A179</li> <li>F180-F999</li> <li>M0000-M3048</li> <li>S0000-S3048</li> <li>VFR/001-VFR/179</li> </ul>	<ul style="list-style-type: none"> <li>Route Brief</li> <li>File</li> <li>Amend</li> <li>Activate</li> <li>NavLog</li> <li>Optimize Altitude</li> <li>Evaluate Departure Time</li> </ul>
• Surveillance Equipment	<ul style="list-style-type: none"> <li>1-11 alphanumeric characters <ul style="list-style-type: none"> <li>Use Surveillance Equipment helper dialog for assistance.</li> </ul> </li> </ul> <p>Examples: <b>S, X, SV1</b></p> <p>Refer to <b>ICAO Flight Plan Form</b> for details.</p>	<ul style="list-style-type: none"> <li>File</li> <li>Amend</li> <li>Activate</li> </ul>

ICAO FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
<ul style="list-style-type: none"> <li>Route of Flight</li> </ul>	<ol style="list-style-type: none"> <li>2-558 characters</li> <li>3-5 alphanumeric airport/heliport/NAVAID/waypoint identifier Examples: <b>KSEA, KHGR</b></li> <li>8-12 character latitude/longitude in the format aabb(A)(/)(c)ccdd(B), where parentheses denote optional characters <ul style="list-style-type: none"> <li>aa is degrees latitude in the range 00-90</li> <li>bb is minutes latitude in the range 00-59</li> <li>(c)cc is degrees longitude in the range 00-180</li> <li>dd is minutes longitude in the range 00-59</li> <li>(A) is either N or S (North or South, default to N if unspecified)</li> <li>(B) is either W or E (West or East, default to W if unspecified)</li> </ul> Example: <b>4449N/7322W</b> </li> <li>8-11 alphanumeric fix-radial-distance in the format (A)(A)(A)AAaabb, where parentheses denote optional characters <ul style="list-style-type: none"> <li>(A)(A)(A)AA is 2-5 alphanumeric airport/heliport/NAVAID/waypoint identifier</li> <li>aaa is radial measure in degrees from North in the range 001-360</li> <li>bbb is distance in nautical miles in the range 001-999</li> </ul> Example: <b>HGR001024</b> </li> <li>V and J Airways <ul style="list-style-type: none"> <li>V Airway in the format Vd(d)(d), where parentheses denote optional digits</li> <li>J Airway in the format Jd(d)(d), where parentheses denote optional digits</li> </ul> Examples: <b>V469, J123</b> </li> <li>Standard Instrument Departure (SID) <ul style="list-style-type: none"> <li>1 letter followed by 2-5 alphanumeric characters</li> </ul> Example: <b>DRWN6</b> </li> <li>Standard Terminal Arrival Route (STAR) <ul style="list-style-type: none"> <li>1 letter followed by 2-5 alphanumeric characters</li> </ul> Example: <b>SKETR5</b> </li> <li>Military Training Route (MTR, restricted) <ul style="list-style-type: none"> <li>Format LLdd(d)(d), where LL = AR, IR, VR, SR and d = alphanumerics, parentheses denote optional.</li> <li>An MTR must be filed with an entry fix preceding the MTR name and an exit fix following the MTR name.</li> </ul> Example: <b>IR608</b> </li> <li>Cruising Speed and/or Level change at a point in the route, in the format &lt;point&gt;/&lt;speed&gt;&lt;altitude&gt; <ul style="list-style-type: none"> <li>&lt;point&gt; as defined in items 2, 3, and 4 above</li> <li>&lt;speed&gt; is in the same format as the Cruising Speed field</li> <li>&lt;altitude&gt; is in the same format as the Level field</li> <li>Must include both Speed and Level values, even if only one is changing</li> </ul> Example: <b>MSN/N0150A090</b> </li> <li>Flight Rules change at a point in the route, in the format: <ul style="list-style-type: none"> <li>&lt;point&gt;&lt;space&gt;&lt;VFR or IFR&gt; Example: <b>MSN240020 VFR</b></li> <li>Or with a speed/altitude change: &lt;point&gt;/&lt;speed&gt;&lt;altitude&gt;&lt;space&gt;&lt;VFR or IFR&gt; <ul style="list-style-type: none"> <li>&lt;point&gt; as defined in items 2, 3, and 4 above</li> </ul> </li> </ul> </li> </ol>	<ul style="list-style-type: none"> <li>File</li> <li>Amend</li> <li>Activate</li> </ul>

ICAO FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	<ul style="list-style-type: none"> <li>&lt;speed&gt; is in the same format as the Cruising Speed field</li> <li>&lt;altitude&gt; is in the same format as the Level field</li> <li>Must include both Speed and Level, even if only one is changing</li> </ul> <p>Example: <b>MSN/N0150A090 IFR</b></p> <p>Full Route Example:  <b>MRB V39 SDZ V3 FLO V437 CHS V1 STARY V437 KIZER V267 PAOLA</b></p> <p>For validations, refer to <b>Route of Flight Validations</b>.  For restrictions, refer to <b>Flight Planning Restrictions</b>.</p>	
<ul style="list-style-type: none"> <li>Destination</li> </ul>	<ul style="list-style-type: none"> <li>3-4 alphanumeric airport identifier Examples: <b>KSEA, KHGR</b></li> <li>2-5 alphanumeric significant point (Not allowed for IFR and YFR Flights with departure, destination, or an alternate in Alaska ARTCC.)</li> <li>11 character latitude/longitude in the format aabbAccddB <ul style="list-style-type: none"> <li>aa is degrees latitude in the range 00-90</li> <li>bb is minutes latitude in the range 00-59</li> <li>ccc is degrees longitude in the range 000-180</li> <li>dd is minutes longitude in the range 00-59</li> <li>A is either N or S (North or South)</li> <li>B is either E or W (East or West)</li> </ul> Example: <b>4449N07322W</b> </li> <li>9-11 alphanumeric fix-radial-distance in the format (A)(A)AAAaabb, where parentheses denote optional characters <ul style="list-style-type: none"> <li>(A)(A)AAA is 3-5 alphanumeric airport/heliport/navaid (excluding NDB)/waypoint identifier; Alaska IFR/YFR flights may not use airports/heliports or waypoints in an FRD</li> <li>aaa is radial measure in degrees from North in the range 001-360</li> <li>bbb is distance in nautical miles in the range 001-999</li> </ul> Example: <b>HGR001024</b> </li> <li><b>ZZZZ</b> <ul style="list-style-type: none"> <li>If ZZZZ is entered, then a location of one of the above formats must be provided in <b>DEST/</b> in the Other information field</li> </ul> </li> </ul> <p>For restrictions, refer to <b>Flight Planning Restrictions</b></p>	<ul style="list-style-type: none"> <li>File</li> <li>Amend</li> <li>Activate</li> <li>Route Brief</li> <li>Destination Area Brief</li> <li>Save As Favorite</li> <li>NavLog</li> <li>Optimize Altitude</li> <li>Plan a Route</li> <li>Evaluate Departure Time</li> </ul>
Destination Sunrise and Sunset	<ul style="list-style-type: none"> <li>HHMM TZ; where HHMM is the 4 digit time and TZ is the time zone. Example: <b>2015 EST</b></li> <li>Only present on form if Destination is valid and Departure Date and Time are entered.</li> <li>Value cannot be changed by user.</li> </ul>	N/A
<ul style="list-style-type: none"> <li>Est Elapsed Time</li> </ul>	<ul style="list-style-type: none"> <li>HHMM; where HHMM are 4 digits Example: <b>0530</b></li> <li>If 0000 is entered, then the Estimated Time of Arrival must be provided in the ETA field.</li> </ul>	<ul style="list-style-type: none"> <li>File</li> <li>Amend</li> <li>Activate</li> </ul>
<ul style="list-style-type: none"> <li>ETA</li> </ul>	<ul style="list-style-type: none"> <li>DDHHMM; where DDHHMM are 6 digits Example: <b>040530</b></li> <li>Time zone will default to the selected time zone in Departure Date &amp; Time field.</li> <li>Estimated Time of Arrival must be at least 100 hours or more than the Departure Date &amp; Time.</li> </ul>	<ul style="list-style-type: none"> <li>File</li> <li>Amend</li> <li>Activate</li> </ul>



ICAO FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	<ul style="list-style-type: none"> <li>Estimated Time of Arrival cannot be more than 27 days from Departure Date &amp; Time.</li> </ul>	
Alternate 1	<ul style="list-style-type: none"> <li>3-4 alphanumeric airport identifier Examples: <b>KSEA, KHGR</b></li> <li>2-5 alphanumeric significant point (Not allowed for IFR and YFR Flights with departure, destination, or an alternate in Alaska ARTCC.)</li> <li>11 character latitude/longitude in the format aabbAccddB <ul style="list-style-type: none"> <li>aa is degrees latitude in the range 00-90</li> <li>bb is minutes latitude in the range 00-59</li> <li>ccc is degrees longitude in the range 000-180</li> <li>dd is minutes longitude in the range 00-59</li> <li>A is either N or S (North or South)</li> <li>B is either E or W (East or West)</li> </ul> Example: <b>4449N07322W</b> </li> <li>9-11 alphanumeric fix-radial-distance in the format (A)(A)AAAaaabbb, where parentheses denote optional characters <ul style="list-style-type: none"> <li>(A)(A)AAA is 3-5 alphanumeric airport/heliport/navaid (excluding NDB)/waypoint identifier; Alaska IFR/YFR flights may not use airports/heliports or waypoints in an FRD</li> <li>aaa is radial measure in degrees from North in the range 001-360</li> <li>bbb is distance in nautical miles in the range 001-999</li> </ul> Example: <b>HGR001024</b> </li> <li><u>ZZZZ</u> <ul style="list-style-type: none"> <li>If ZZZZ is entered, then a location of one of the above formats must be provided in <b>ALTN</b> in the Other information field</li> </ul> </li> </ul> <p>For restrictions, refer to <b>Flight Planning Restrictions</b></p>	<ul style="list-style-type: none"> <li>Alternate 1 Area Brief</li> </ul>
Alternate 2	<ul style="list-style-type: none"> <li>3-4 alphanumeric airport identifier Examples: <b>KSEA, KHGR</b></li> <li>2-5 alphanumeric significant point (Not allowed for IFR and YFR Flights with departure, destination, or an alternate in Alaska ARTCC.)</li> <li>11 character latitude/longitude in the format aabbAccddB <ul style="list-style-type: none"> <li>aa is degrees latitude in the range 00-90</li> <li>bb is minutes latitude in the range 00-59</li> <li>ccc is degrees longitude in the range 000-180</li> <li>dd is minutes longitude in the range 00-59</li> <li>A is either N or S (North or South)</li> <li>B is either E or W (East or West)</li> </ul> Example: <b>4449N07322W</b> </li> <li>9-11 alphanumeric fix-radial-distance in the format (A)(A)AAAaaabbb, where parentheses denote optional characters <ul style="list-style-type: none"> <li>(A)(A)AAA is 3-5 alphanumeric airport/heliport/navaid (excluding NDB)/waypoint identifier; Alaska IFR/YFR flights may not use airports/heliports or waypoints in an FRD</li> <li>aaa is radial measure in degrees from North in the range 001-360</li> <li>bbb is distance in nautical miles in the range 001-999</li> </ul> Example: <b>HGR001024</b> </li> <li><u>ZZZZ</u></li> </ul>	<ul style="list-style-type: none"> <li>Alternate 2 Area Brief</li> </ul>

ICAO FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	<ul style="list-style-type: none"> <li>If ZZZZ is entered, then a location of one of the above formats must be provided in <b>ALTN</b> in the Other information field</li> </ul> <p>For restrictions, refer to <b>Flight Planning Restrictions</b></p>	
Beacon Code	<ul style="list-style-type: none"> <li>4 octal digits (0000-7777). Only present on form if assigned. Value cannot be changed by user.</li> </ul>	N/A
Other Information	<ul style="list-style-type: none"> <li>1-325 alphanumeric characters, spaces, and forward slash (/)</li> <li>Use the Other Information helper dialog for a list of all valid codes and for formatting the following subfield elements: <ul style="list-style-type: none"> <li>➤ STS/: Enter special handling codes for Air Traffic Services. If more than one code is used, each code must be separated by a space. Example: <b>STS/ALTRV</b></li> <li>➤ PBN/: Enter RNAV and/or RNP capabilities. A maximum of 8 codes may be entered. Aircraft Equipment field must contain "R". Example: <b>PBN/A1</b></li> <li>➤ NAV/: Enter significant data related to navigation equipment, other than that specified in PBN/ subfield. A "Z" will be automatically inserted into the Aircraft Equipment field. This subfield is a free text field. Example: <b>NAV/MYEQUIPMENT</b></li> <li>➤ COM/: Enter communications applications or capabilities that are not specified in the Aircraft Equipment field. A "Z" will be automatically inserted into the Aircraft Equipment field. This subfield is a free text field. Example: <b>COM/MYEQUIPMENT</b></li> <li>➤ DAT/: Enter data applications or capabilities that are not specified in the Aircraft Equipment field. A "Z" will be automatically inserted into the Aircraft Equipment field. This subfield is a free text field. Example: <b>DAT/MYEQUIPMENT</b></li> <li>➤ SUR/: Enter the surveillance capabilities of the aircraft not specified in the Surveillance Equipment field. This subfield is a free text field. Example: <b>SUR/MYEQUIPMENT</b></li> <li>➤ DEP/: Enter the departure of the flight plan when ZZZZ is entered in the departure field, as shown below. DEP/ will be automatically inserted into the Other Information field. <ul style="list-style-type: none"> <li>➤ 3-4 alphanumeric airport identifier</li> <li>➤ 2-5 alphanumeric significant point (Not allowed for IFR and YFR Flights with departure, destination, or an alternate in Alaska ARTCC.)</li> <li>➤ 11 character latitude longitude in the format aabbAccddB <ul style="list-style-type: none"> <li>➤ aa is degrees latitude in the range 00-90</li> <li>➤ bb is minutes latitude in the range 00-59</li> <li>➤ ccc is degrees longitude in the range 000-180</li> <li>➤ dd is minutes longitude in the range 00-59</li> <li>➤ A is either N or S (North or South)</li> <li>➤ B is either E or W (East or West)</li> </ul> </li> <li>➤ 9-11 alphanumeric fix-radial-distance in the format (A)(A)AAAaabb, where parentheses denote optional characters <ul style="list-style-type: none"> <li>➤ (A)(A)AAA is 3-5 alphanumeric airport/heliport/NAVAID (excluding</li> </ul> </li> </ul> </li> </ul> </li> </ul>	

ICAO FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	<p>NDB)/waypoint identifier; Alaska IFR/YFR flights may not use airports/heliports or waypoints in an FRD.</p> <ul style="list-style-type: none"> <li>➤ aaa is radial measure in degrees from North in the range 001-360</li> <li>➤ bbb is distance in nautical miles in the range 001-999</li> </ul> <p>Example: <b>DEP/KHGR</b>  Example: <b>DEP/4449N07322W</b>  Example: <b>DEP/HGR001024</b></p> <ul style="list-style-type: none"> <li>➤ Location name is required following latitude/longitude when latitude/longitude is used for the DEP/ and/or DEST/ subfields.</li> </ul> <p>➤ DEST/: Record the destination of the flight plan when ZZZZ is entered in the departure field. Use the same rules as the DEP/ subfield.</p> <p>Example: <b>DEST/KHGR</b>  Example: <b>DEST/4449N07322W</b>  Example: <b>DEST/HGR001024</b></p> <p>➤ DOF/: Records the departure date of the flight as YYMMDD if the Proposed Departure Time is more than 24 hours ahead of the current time. DOF/ will be automatically inserted into the Other Information field.</p> <p>Example: <b>DOF/141025</b></p> <p>➤ REG/: Enter the nationality or registration mark of the aircraft. This subfield is a free text field.</p> <p>Example: <b>REG/UNITEDSTATES</b></p> <p>➤ EET/: Enter significant points or FIR boundary designators, and accumulated estimated elapsed times from take-off to the points or FIR boundaries. If multiple points or boundaries are entered, they must be separated by a space, and the time values must be in increasing order from left to right. None of the time values may be equal to, or exceed the Total Estimated Elapsed Time. Points and designators can be identified using FIR ID, enroute point, latitude/longitude, or Fix-Radial-Distance (FRD).</p> <p>EET/&lt;position&gt;&lt;time&gt; or  EET/&lt;position1&gt;&lt;time1&gt;&lt;sp&gt;&lt;position2&gt;&lt;time2&gt;&lt;sp&gt;&lt;position3&gt;&lt;time3&gt;</p> <p>Example: <b>EET/CZEG0026</b></p> <p>➤ SEL/: Enter the SELCAL (Selective Calling) code for aircraft so equipped. This subfield is a free text field.</p> <p>Example: <b>SEL/ABCD</b></p> <p>➤ TYP/: Enter the aircraft type, if ZZZZ is entered into the Aircraft Type field. This subfield is a free text field.</p> <p>Example: <b>TYP/J2</b></p> <p>➤ CODE/: Enter the aircraft address, which is expressed in the form of an alphanumerical code of six hexadecimal characters.</p> <p>Example: <b>CODE/AC82EC</b></p> <p>➤ DLE/: Enter the en-route delay or holding at significant point(s) on the route. If multiple delay points may be included, they must be separated by a space. DLE/&lt;significant point&gt;HHMM or DLE/&lt;significant point&gt;HHMM&lt;space&gt;&lt;significant point&gt;HHMM. The &lt;significant point&gt; can be one of the following formats:</p>	

ICAO FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	<ul style="list-style-type: none"> <li>&gt; 3-4 alphanumeric airport identifier</li> <li>&gt; 2-5 alphanumeric significant point</li> <li>&gt; 11 character latitude longitude in the format aabbAccddB <ul style="list-style-type: none"> <li>&gt; aa is degrees latitude in the range 00-90</li> <li>&gt; bb is minutes latitude in the range 00-59</li> <li>&gt; ccc is degrees longitude in the range 000-180</li> <li>&gt; dd is minutes longitude in the range 00-59</li> <li>&gt; A is either N or S (North or South)</li> <li>&gt; B is either E or W (East or West)</li> </ul> </li> <li>&gt; 9-11 alphanumeric fix-radial-distance in the format (A)(A)AAAaaabbb, where parentheses denote optional characters <ul style="list-style-type: none"> <li>&gt; (A)(A)AAA is 3-5 alphanumeric airport/heliport/NAVAID (excluding NDB)/waypoint identifier</li> <li>&gt; aaa is radial measure in degrees from North in the range 001-360</li> <li>&gt; bbb is distance in nautical miles in the range 001-999</li> </ul> </li> </ul> <p>Example: <b>DLE/4449N07322W0045</b></p> <ul style="list-style-type: none"> <li>&gt; OPR/: Enter the ICAO designator or name of the aircraft operating agency. This subfield is a free text field.</li> </ul> <p>Example: <b>OPR/MYAGENCY</b></p> <ul style="list-style-type: none"> <li>&gt; ORGN/: Enter the originator's 8 letter AFTN address.</li> </ul> <p>Example: <b>ORGN/AFTNADDRESS</b></p> <ul style="list-style-type: none"> <li>&gt; PER/: Enter the aircraft performance data. This subfield accepts one of the following codes: A, B, C, D, E, or H.</li> </ul> <p>Example: <b>PER/H</b></p> <ul style="list-style-type: none"> <li>&gt; ALTN/: Enter the alternate airports of the flight plan when ZZZZ is entered into either of the alternate aerodrome field. Use the same rules as the DEP/ subfield.</li> </ul> <p>Example: <b>ALTN/KHGR</b>  Example: <b>ALTN/4449N07322W</b>  Example: <b>ALTN/HGR001024</b></p> <ul style="list-style-type: none"> <li>&gt; RALT/: Enter the en-route alternate airports. Use the same rules as the DEP/ subfield.</li> </ul> <p>Example: <b>RALT/KHGR</b>  Example: <b>RALT/4449N07322W</b>  Example: <b>RALT/HGR001024</b></p> <ul style="list-style-type: none"> <li>&gt; TALT/: Enter one take-off alternate aerodrome. Use the same rules as the DEP/ subfield.</li> </ul> <p>Example: <b>TALT/KHGR</b>  Example: <b>TALT/4449N07322W</b>  Example: <b>TALT/HGR001024</b></p> <ul style="list-style-type: none"> <li>&gt; RIF/: Enter route details for a revised destination airport. This subfield is a free text field, but should follow the rules of the Route of Flight field.</li> </ul> <p>Example: <b>RIF/KHGR</b></p> <ul style="list-style-type: none"> <li>&gt; RMK/: Enter any other plain language remarks for the flight plan. This subfield is a free text field.</li> </ul> <p>Example: <b>RMK/STUDENT PILOT</b></p> <p>Refer to ICAO Flight Plan – Other Information Field for details.</p>	
Supplementary Information		
• Fuel Endurance	• HHMM; where HHMM are 4 digits	• File • Amend

ICAO FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	Example: <b>0530</b>	• Activate
• Persons on Board	• 1-30 alphanumeric characters, spaces, and backslash "\" Example: <b>1, TWO, 34</b>	• File • Amend • Activate
• Aircraft Color & Markings	• 1-500 alphanumeric characters, spaces, and colon ":" Example: <b>B:BE AND RED</b>	• N/A
<b>Emergency Equipment</b>		
Survival Equipment	• Select appropriate checkboxes for your aircraft	N/A
Emergency Radios	• Select appropriate checkboxes for your aircraft	N/A
Jackets	• Select appropriate checkboxes for your aircraft	N/A
<b>Dinghies</b>		
Number	• 1-2 digits Example: <b>01</b>	N/A
Capacity	• 1-3 digits Example: <b>003</b>	N/A
Covered	• Select if dinghies are covered	N/A
Color	• 1-20 alpha characters including spaces Example: <b>B</b>	N/A
Supplemental Remarks	• 1-500 alphanumeric characters, spaces, and colon ":" Example: <b>STUDENT: SOLO FLIGHT</b>	N/A
Pilot in Command	• 1-201 alphanumeric characters, spaces, and colon ":" Example: <b>Jones: 202 555 1111</b>	N/A
• Pilot Contact Information	• 1-200 characters Example: <b>JONES, (202) 555-1111</b> <b>HGR, (301) 555-2222</b>	• File • Amend • Activate

**i. ICAO Flight Plan – Other Information Field**

The Other Information field on the ICAO Flight Plan page can be used to record additional information about the flight plan that's not **documented** in the rest of the plan.

Information in the field is entered using one or more of the subfields shown below. Each subfield must be followed by the slash character "/" and cannot appear more than once in the field. In addition, the subfields must appear in the order shown below i.e. STS/ before PBN/ before NAV/ etc.


The entry "TYP/C172 RMK/THIS IS A REMARK" would be considered valid. The entry "RMK/THIS IS A REMARK TYP/C172" would be considered invalid because RMK cannot come before TYP. The entry "TYP/C172 TYP/C180 RMK/THIS IS A REMARK" would be considered invalid because TYP cannot appear more than once in the field.

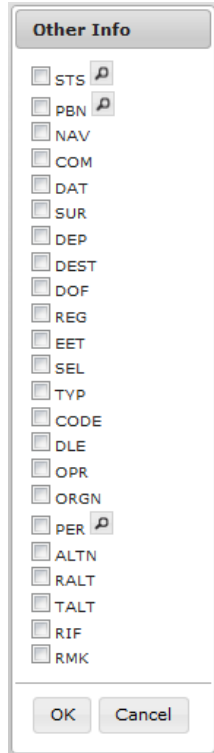
➤ **Subfield Order**

- |         |          |           |           |
|---------|----------|-----------|-----------|
| 1. STS/ | 7. DEP/  | 13. TYP/  | 19. ALTN/ |
| 2. PBN/ | 8. DEST/ | 14. CODE/ | 20. RALT/ |
| 3. NAV/ | 9. DOF/  | 15. DLE/  | 21. TALT/ |
| 4. COM/ | 10. REG/ | 16. OPR/  | 22. RIF/  |

5. DAT/      11. EET/      17. ORGN/    23. RMK/  
6. SUR/      12. SEL/      18. PER/

### ➤ The Other Information Helper Dialog

To assist you with filling in the Other Information field, the Web site provides a helper dialog which is accessible by clicking on the  icon next to the field. The helper dialog is shown below.



The image shows a dialog box titled "Other Info". It contains a list of 24 subfields, each with a checkbox and a help icon (a small square with a lowercase 'p'). The subfields are: STS, PBN, NAV, COM, DAT, SUR, DEP, DEST, DOF, REG, EET, SEL, TYP, CODE, DLE, OPR, ORGN, PER, ALTN, RALT, TALT, RIF, and RMK. At the bottom of the dialog are two buttons: "OK" and "Cancel".


#### i. The STS subfield

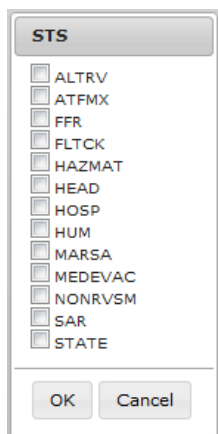
The STS subfield is used to record reasons for special handling of the flight plan by Air Traffic Services (ATS). The reasons are represented by the codes shown below. If more than one code is used, each code must be separated by a space. For example, the entry "STS/ALTRV ATFMX" would be considered valid while the entry "STS/ALTRVATFMX" would be considered invalid.

- ALTRV – This code indicates a flight operated in accordance with an altitude reservation.
- ATFMX – This code indicates a flight approved for exemption from the ATFM measures by the appropriate authority.
- FFR – The code indicates a fire-fighting flight.
- FLTCK – This code indicates a flight check for calibration of navigational aids.
- HAZMAT – This code indicates a flight carrying hazardous material.
- HEAD – This code indicates a flight with Head of State status.
- HOSP – This code indicates a medical flight declared by medical authorities.

- HUM – This code indicates a flight operating on a humanitarian mission.
- MARSA – This code indicates a flight for which a military entity assumes responsibility for separation of military aircraft.
- MEDEVAC – This code indicates a life critical medical emergency evacuation.
- NONRVSM – This code indicates a non-RVSM capable flight intending to operate in RVSM airspace.
- SAR – This code indicates a flight engaged in a search and rescue mission.
- STATE – This code indicates a flight engaged in military, customs, or police services.

➤ **The STS Helper Dialog**

To assist you with filling in the STS subfield, the Web site provides a helper dialog which is accessible by clicking on the  icon next to the STS check box on the Other Information as shown below.



ii. **The PBN subfield**


The PBN subfield is used to record RNAV and/or RNP capabilities. The capabilities are represented by the codes shown below.

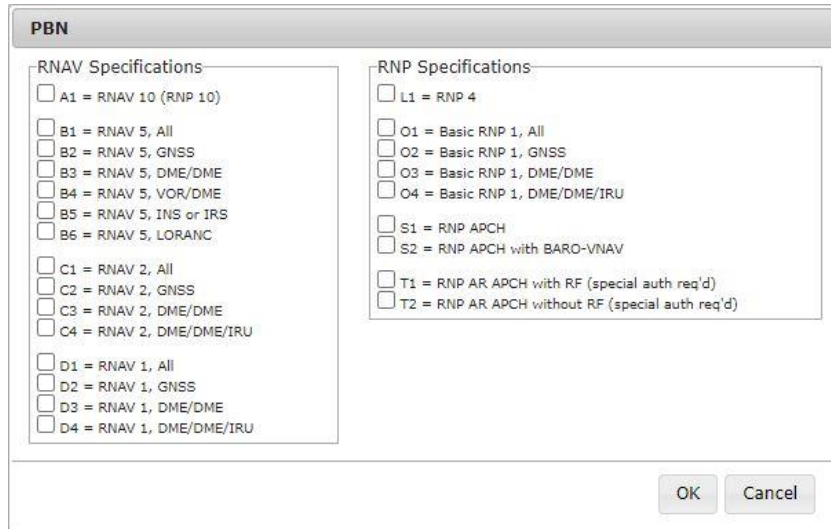
A1	B4	C2	D2	O1	S1
B1	B5	C3	D3	O2	S2
B2	B6	C4	D4	O3	T1
B3	C1	D1	L1	O4	T2

If a PBN/ value is entered into the Other Information field, then the Aircraft Equipment value must contain “R”. Omitting PBN/ or “R” invalidates the flight plan.

➤ **The PBN Helper Dialog**



To assist you with filling in the PBN subfield, the Web site provides a helper dialog which is accessible by clicking on the  icon next to the PBN check box on the Other Information as shown below.



The dialog box is titled "PBN" and contains two main sections: "RNAV Specifications" and "RNP Specifications".

**RNAV Specifications:**

- ☐ A1 = RNAV 10 (RNP 10)
- ☐ B1 = RNAV 5, All
- ☐ B2 = RNAV 5, GNSS
- ☐ B3 = RNAV 5, DME/DME
- ☐ B4 = RNAV 5, VOR/DME
- ☐ B5 = RNAV 5, INS or IRS
- ☐ B6 = RNAV 5, LORANC
- ☐ C1 = RNAV 2, All
- ☐ C2 = RNAV 2, GNSS
- ☐ C3 = RNAV 2, DME/DME
- ☐ C4 = RNAV 2, DME/DME/IRU
- ☐ D1 = RNAV 1, All
- ☐ D2 = RNAV 1, GNSS
- ☐ D3 = RNAV 1, DME/DME
- ☐ D4 = RNAV 1, DME/DME/IRU

**RNP Specifications:**

- ☐ L1 = RNP 4
- ☐ O1 = Basic RNP 1, All
- ☐ O2 = Basic RNP 1, GNSS
- ☐ O3 = Basic RNP 1, DME/DME
- ☐ O4 = Basic RNP 1, DME/DME/IRU
- ☐ S1 = RNP APCH
- ☐ S2 = RNP APCH with BARO-VNAV
- ☐ T1 = RNP AR APCH with RF (special auth req'd)
- ☐ T2 = RNP AR APCH without RF (special auth req'd)

At the bottom right of the dialog box are "OK" and "Cancel" buttons.

iii. **The NAV subfield**

The NAV subfield is used to record significant data related to navigation equipment, other than that specified in PBN/ subfield, as required by the appropriate ATS authority.

The subfield accepts alphanumeric and spaces in free text.

If the Other Information field contains the NAV subfield, the Web site will insert the value Z into the Aircraft Equipment field. Omitting "Z" invalidates the flight plan.

iv. **The COM subfield**

The COM subfield is used to record communications applications or capabilities that are not specified in the Aircraft Equipment field.

The subfield accepts alphanumeric and spaces in free text.

If the Other Information field contains the COM subfield, the Web site will insert the value Z into the Aircraft Equipment field. Omitting "Z" invalidates the flight plan.

v. **The DAT subfield**

The DAT subfield is used to record data applications or capabilities that are not specified in the Aircraft Equipment field.

The subfield accepts alphanumeric and spaces in free text.

If the Other Information field contains the DAT subfield, the Web site will insert the value Z into the Aircraft Equipment field. Omitting "Z" invalidates the flight plan.

vi. **The SUR subfield**

The SUR subfield is used to record the surveillance capabilities of the aircraft not specified in the Surveillance Equipment field.

The subfield accepts alphanumeric and spaces in free text.

vii. **The DEP subfield**

The DEP subfield is used to record the departure of the flight plan. The subfield accepts the following formats:

- 3 – 4 alphanumeric FAA airport identifier

- 4 alphanumeric ICAO aerodrome identifier
- 2 – 5 alphanumeric significant point (Not allowed for IFR and YFR Flights with departure, destination, or an alternate in Alaska ARTCC.)
- 11 character latitude/longitude in the format aabbAcccddB
  - aa is degrees latitude in the range 00-90
  - bb is minutes latitude in the range 00-59
  - ccc is degrees longitude in the range 000-180
  - dd is minutes longitude in the range 00-59
  - A is either N or S (North or South)
  - B is either E or W (East or West)
- 9– 11 alphanumeric fix-radial-distance in the format (A)(A)AAAaaabbb, where parentheses denote optional characters
  - (A)(A)AAA is 3-5 alphanumeric airport/heliport/navaid (excluding NDB)/waypoint identifier, Alaska IFR/YFR flights may not use airports/heliports or waypoints in an FRD
  - aaa is radial measure in degrees from North in the range 001-360
  - bbb is distance in nautical miles in the range 001-999

If ZZZZ or AFIL is entered into the Departure Aerodrome field, then a location must be provided in DEP/ in the Other Information field. Omitting ZZZZ, AFIL or DEP/ invalidates the flight plan.

#### ➤ **The Latitude/Longitude Location Name Dialog**

When a latitude/longitude value is entered in the DEP/ subfield a description of the location(s) must be provided after latitude/longitude. The following dialog is displayed for assistance:

**Latitude/Longitude Location Name**

When latitude/longitude is used for DEP/ and/or DEST/, a location name must be entered in Other Information, after latitude/longitude.

Edit the Other Information Field here, to include location name(s).  
 Example: DEP/4214N08819W CRYSTAL LAKES  
 Example: DEST/4214N08819W CRYSTAL LAKES

DEP/4400N08800W BLACKSBURG

This text will replace the contents of the Other Information field.

OK

For restrictions, refer to **Flight Planning Restrictions**.

#### viii. **The DEST subfield**

The DEST subfield is used to record the destination of the flight plan. The subfield accepts the following formats:

- 3 – 4 alphanumeric FAA airport identifier
- 4 alphanumeric ICAO aerodrome identifier

- 2 – 5 alphanumeric significant point (Not allowed for IFR and YFR Flights with departure, destination, or an alternate in Alaska ARTCC.)
- 11 character latitude/longitude in the format aabbAcccddB
  - aa is degrees latitude in the range 00-90
  - bb is minutes latitude in the range 00-59
  - ccc is degrees longitude in the range 000-180
  - dd is minutes longitude in the range 00-59
  - A is either N or S (North or South)
  - B is either E or W (East or West)
- 9 – 11 alphanumeric fix-radial-distance in the format (A)(A)AAAAaabb, where parentheses denote optional characters
  - (A)(A)AAA is 3-5 alphanumeric airport/heliport/navaid (excluding NDB)/waypoint identifier; Alaska IFR/YFR flights may not use airports/heliports or waypoints in an FRD.
  - aaa is radial measure in degrees from North in the range 001-360
  - bbb is distance in nautical miles in the range 001-999

If ZZZZ is entered into the Destination Aerodrome field, then a location must be provided in DEST/ in the Other Information field. Omitting either ZZZZ or DEST/ invalidates the flight plan.

#### ➤ The Latitude/Longitude Location Name Dialog

When a latitude/longitude value is entered in the DEST/ subfield a description of the location(s) must be provided after latitude/longitude. The following dialog is displayed for assistance:

**Latitude/Longitude Location Name**

When latitude/longitude is used for DEP/ and/or DEST/, a location name must be entered in Other Information, after latitude/longitude.

Edit the Other Information Field here, to include location name(s).  
 Example: DEP/4214N08819W CRYSTAL LAKES  
 Example: DEST/4214N08819W CRYSTAL LAKES

DEST/4400N08800W BLACKSBURG

This text will replace the contents of the Other Information field.

OK

For restrictions, refer to **Flight Planning Restrictions**.

#### ix. The DOF subfield

The DOF subfield is used to record the date of the flight departure. The format is shown below.

- DOF/YYMMDD
  - YY = 00 to 99 and represents the last 2 digits of the year (example, the year 2012 would be represented as 12).
  - MM = 01 to 12 and is a 2 digit representation of the month.
  - DD = 01 to 31 and is a 2 digit representation of the day of the month.

If the Proposed Departure Time is more than 24 hours ahead of the current time, DOF subfield is required. The Web site will insert DOF/ into the Other Information field.

x. **The REG subfield**

The REG subfield is used to record the nationality or common mark and registration mark of the aircraft.

The subfield accepts alphanumeric and spaces in free text.

xi. **The EET subfield**

The EET subfield is used to record significant points or FIR boundary designators and accumulated estimated elapsed times from take-off to such points or FIR boundaries. The format is shown below.

EET/<position><time>

The EET subfield can be used to record multiple points or designators. Each point/designator and time is separated from the next point/designator and time by a space.

EET/<position1><time1><sp><position2><time2><sp><position3><time3>

Points and designators can be identified using FIR ID, enroute point, latitude/longitude, or Fix-Radial-Distance (FRD).

When reporting multiple positions in this subfield, the time values must be in increasing order from left to right and none of the EET times may equal or exceed the value in the Total Estimated Elapsed Time field.

xii. **The SEL subfield**

The SEL subfield is used to record the SELCAL code for aircraft so equipped.

The subfield accepts alphanumeric and spaces in free text.

xiii. **The TYP subfield**

The TYP subfield is used to record the aircraft type.

The subfield accepts alphanumeric and spaces in free text.

xiv. **The CODE subfield**

The CODE subfield is used to record the aircraft address.

The subfield accepts alphanumeric and spaces in free text.

xv. **The DLE subfield**

The DLE subfield is used to record the en-route delay or holding at significant point(s) on the route of flight. The format is shown below.

DLE/<significant point>HHMM

The <significant point> can be one of the following formats:

- 3 – 4 alphanumeric FAA airport identifier
- 4 alphanumeric ICAO aerodrome identifier
- 2 – 5 alphanumeric significant point
- 11 character latitude/longitude in the format aabbAcccddB

➤ aa is degrees latitude in the range 00-90

➤ bb is minutes latitude in the range 00-59

➤ ccc is degrees longitude in the range 000-180

- dd is minutes longitude in the range 00-59
- A is either N or S (North or South)
- B is either E or W (East or West)
- 9 – 11 alphanumeric fix-radial-distance in the format (A)(A)AAAAaabb, where parentheses denote optional characters
  - (A)(A)AAA is 3-5 alphanumeric airport/heliport/navaid (excluding NDB)/waypoint identifier
  - aaa is radial measure in degrees from North in the range 001-360
  - bbb is distance in nautical miles in the range 001-999
- HHMM is a 4 digit number that records the length of the delay in hours and minutes.
  - HH = 00 to 99, and MM = 00 to 59.

The DLE subfield can accept multiple significant points. If there are multiple points, each point has a delay time and is separated from the next point by a single space. The DLE token is not repeated. An example of the format is shown below:

DLE/<significant point>HHMM<space><significant point>HHMM

For restrictions, refer to **Flight Planning Restrictions**.

xvi. **The OPR subfield**

The OPR subfield is used to record the ICAO designator or name of the aircraft operating agency.

The subfield accepts alphanumeric and spaces in free text.

xvii. **The ORGN subfield**


The ORGN subfield is used to record the 8 letter AFTN address.

xviii. **The PER subfield**

The PER subfield is used to record aircraft performance data. The aircraft performance data are represented by the codes shown below.

The subfield accepts one of the following codes: A, B, C, D, E, or H.

➤ **PER Helper Dialog**

To assist you with filling in the PER subfield, the Web site provides a helper dialog which is accessible by clicking on the  icon next to the PER check box on the Other Information. The helper dialog is shown below.

The screenshot shows a dialog box titled "PER". It contains a list of radio button options for selecting a speed category. The options are:
 

- ☐ A = IAS ≤ 169 km/h (91 kt)
- ☐ B = 169 km/h (91 kt) ≤ IAS ≤ 224 km/h (121 kt)
- ☐ C = 224 km/h (121 kt) ≤ IAS ≤ 261 km/h (141 kt)
- ☐ D = 261 km/h (141 kt) ≤ IAS ≤ 307 km/h (166 kt)
- ☐ E = 307 km/h (166 kt) ≤ IAS ≤ 391 km/h (211 kt)
- ☐ H = Helicopter

 At the bottom right of the dialog box are two buttons: "OK" and "Cancel".

**xix. The ALTN subfield**

The ALTN subfield is used to record alternate aerodromes.

The subfield accepts the following formats:

- 3 – 4 alphanumeric FAA airport identifier
- 4 alphanumeric ICAO aerodrome identifier
- 2 – 5 alphanumeric significant point (Not allowed for IFR and YFR Flights with departure, destination, or an alternate in Alaska ARTCC.)
- 11 character latitude/longitude in the format aabbAcccddB
  - aa is degrees latitude in the range 00-90
  - bb is minutes latitude in the range 00-59
  - ccc is degrees longitude in the range 000-180
  - dd is minutes longitude in the range 00-59
  - A is either N or S (North or South)
  - B is either E or W (East or West)
- 9 – 11 alphanumeric fix-radial-distance in the format (A)(A)AAAaaabbb, where parentheses denote optional characters
  - (A)(A)AAA is 3-5 alphanumeric airport/heliport/navaid (excluding NDB)/waypoint identifier; Alaska IFR/YFR flights may not use airports/heliports or waypoints in an FRD.
  - aaa is radial measure in degrees from North in the range 001-360
  - bbb is distance in nautical miles in the range 001-999

If ZZZZ is entered into either Alternate Aerodrome 1 or 2 fields, then a location must be provided in ALTN/ in the Other Information field. Omitting either ZZZZ or ALTN/ invalidates the flight plan.

The maximum number of entries in alternate aerodromes is 2. If there are two entries, each alternate is separated by a single space, and the ALTN/ subfield is not repeated.

An example of the format is shown below.

ALTN/KGAI KHGR

For restrictions, refer to **Flight Planning Restrictions**.

**xx. The RALT subfield**

The RALT subfield is used to record en-route alternate aerodromes.

The subfield accepts the following formats:

- 3 – 4 alphanumeric FAA airport identifier
- 4 alphanumeric ICAO aerodrome identifier
- 2 – 5 alphanumeric significant point
- 11 character latitude/longitude in the format aabbAcccddB
  - aa is degrees latitude in the range 00-90
  - bb is minutes latitude in the range 00-59
  - ccc is degrees longitude in the range 000-180

- dd is minutes longitude in the range 00-59
- A is either N or S (North or South)
- B is either E or W (East or West)
- 9 – 11 alphanumeric fix-radial-distance in the format (A)(A)AAAaaabbb, where parentheses denote optional characters
  - (A)(A)AAA is 3-5 alphanumeric airport/heliport/navaid (excluding NDB)/waypoint identifier
  - aaa is radial measure in degrees from North in the range 001-360
  - bbb is distance in nautical miles in the range 001-999

If there are multiple en-route alternate aerodromes, each alternate is separated by a single space, and the RALT token is not repeated.

An example of the format is shown below.

RALT/KGAI KHGR

For restrictions, refer to **Flight Planning Restrictions**.

#### **xxi. The TALT subfield**

The TALT subfield is used to record one take-off alternate aerodrome.

The subfield accepts the following formats:

- 3 – 4 alphanumeric FAA airport identifier
- 4 alphanumeric ICAO aerodrome identifier
- 2 – 5 alphanumeric significant point
- 11 character latitude/longitude in the format aabbAcccddB
  - aa is degrees latitude in the range 00-90
  - bb is minutes latitude in the range 00-59
  - ccc is degrees longitude in the range 000-180
  - dd is minutes longitude in the range 00-59
  - A is either N or S (North or South)
  - B is either E or W (East or West)
- 9 – 11 alphanumeric fix-radial-distance in the format (A)(A)AAAaaabbb, where parentheses denote optional characters
  - (A)(A)AAA is 3-5 alphanumeric airport/heliport/navaid (excluding NDB)/waypoint identifier
  - aaa is radial measure in degrees from North in the range 001-360
  - bbb is distance in nautical miles in the range 001-999

For restrictions, refer to **Flight Planning Restrictions**.

#### **xxii. The RIF subfield**

The RIF subfield is used to record route details to a revised destination aerodrome. The subfield accepts alphanumeric and spaces in free text and may not contain non-navigable items such as Remote Communications Outlets (RCOs) or weather station identifiers.

#### **xxiii. The RMK subfield**

The RMK subfield is used to record any other plain language remarks when required by the appropriate ATS authority or deemed necessary.

The subfield accepts alphanumeric and spaces in free text.

#### **DataComm (CPDLC) Dialog:**

Applicable to IFR/YFR/ZFR flight plans, when Aircraft Equipment contains a J-Code (J1-J7) and Other Information does not contain REG/ data, clicking on

File/Amend/Activate button will bring up a DataComm (CPDLC) dialog. Through this dialog, the user can elect to enable and select the types, or opt out of DataComm services.

**DataComm (CPDLC)**

Aircraft Equipment codes J1-J7 indicate that your aircraft is DataComm (CPDLC) capable, which means that the Other Information field should contain appropriate data for REG/ and DAT/ subfields.

To enable DataComm, please press "Cancel" to return to the Flight Planning form and enter your tail number in the REG/ subfield. To specify DataComm capabilities, please enter the corresponding codes in the DAT/ subfield.

To opt out of DataComm services and continue your flight plan action, please press "Continue".

Continue

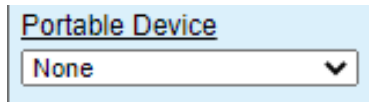
Cancel



### c. Advanced Services

If more than one Special Device has been added from the Advanced Services Dashboard, the Portable Device section will be displayed on the flight plan form.

Reference **Advanced Services Dashboard** for further information.



A screenshot of a web form element titled "Portable Device" in a light blue box. Below the title is a dropdown menu with a white background and a black border. The word "None" is displayed in the menu, and a small black downward-pointing arrow is visible on the right side of the menu box.


If the Aircraft selected is equipped with a Position Reporting Device and this special device is set in the Aircraft tab in Account page, then the Portable Device field will not be visible; instead the special device in the aircraft will be used for position reporting.

### d. Flight Plan Helper Menu and Dialogs

#### i. Domestic Flight Plan Form

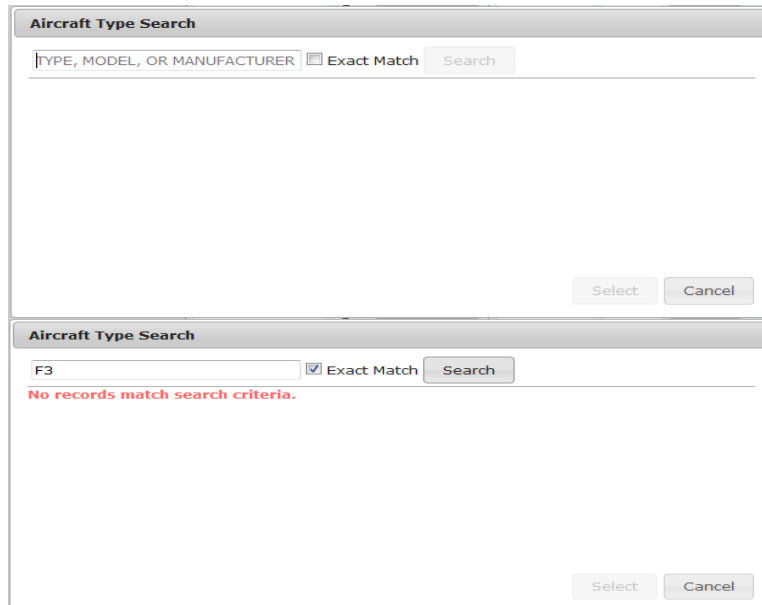
##### ➤ Aircraft Type – Aircraft Type Search

This helper dialog lets the pilot enter a minimum of two alphanumeric characters to search and select Aircraft.

Enter characters in the Aircraft Type text box on the FP form and click on . The helper dialog opens with the Exact Match checkbox deselected by default.

Selecting the Exact Match will narrow the search results. If no match is found, the following message is displayed “No records match search criteria”. In that case, deselect the Exact Match checkbox and initiate another search by clicking on the Search button. The search result is sorted by default on A/C type.

If the helper dialog is opened with no text in the Aircraft Type field, the search box displays “TYPE, MODEL, OR MANUFACTURER”, and the Exact Match checkbox will not be checked by default.



The image contains two screenshots of the "Aircraft Type Search" dialog box. The top screenshot shows the dialog with a search input field containing the placeholder text "TYPE, MODEL, OR MANUFACTURER", an unchecked "Exact Match" checkbox, and a "Search" button. Below the input field is a large empty area for results, and at the bottom are "Select" and "Cancel" buttons. The bottom screenshot shows the same dialog after a search. The input field now contains "F3", the "Exact Match" checkbox is checked, and the "Search" button is disabled. The result area displays the message "No records match search criteria." in red text. The "Select" and "Cancel" buttons remain at the bottom.

**Aircraft Type Search**

F3 ☐ Exact Match

MANUFACTURER	MODEL	A/C TYPE
REIMS	F337, FT337E/F, FTB337 (Turbo)Super Skymaster, Milirole	C337
BOEING	E-3A (TF33), E-3B/C, JE-3, Sentry	E3TF
GOLDEN CAR	Brio	F30
GOLDEN CAR	F-30 Brio	F30
LOCKHEED MARTIN	F-35A Lightning II	F35
LOCKHEED MARTIN	F-35C Lightning II	F35
LOCKHEED MARTIN	Lightning II (F-35A/C)	F35

**Aircraft Type Search**

F35 ☒ Exact Match

MANUFACTURER	MODEL	A/C TYPE
LOCKHEED MARTIN	F-35A Lightning II	F35
LOCKHEED MARTIN	F-35C Lightning II	F35
LOCKHEED MARTIN	Lightning II (F-35A/C)	F35

**Aircraft Type Search**

SF35 ☒ Exact Match

MANUFACTURER	MODEL	A/C TYPE
SCHEIBE	SF-35	SF35

### ➤ Aircraft Equipment

This pull down menu lets the pilot select an Aircraft Equipment.

- A - DME, Transponder with Mode C
- B - DME, Transponder with no Mode C
- D - DME, No transponder
- T - No DME, Transponder with no Mode C
- U - No DME, Transponder with Mode C
- X - No DME, No transponder
- M - TACAN, No transponder
- N - TACAN, Transponder with no Mode C
- P - TACAN, Transponder with Mode C
- G - GNSS, Transponder with Mode C
- S - GNSS, Transponder with no Mode C
- V - GNSS, No transponder
- C - RNAV w/out GNSS, Transponder with no Mode C
- I - RNAV w/out GNSS, Transponder with Mode C
- Y - RNAV w/out GNSS, No transponder
- H - RVSM, No Transponder, or Transponder with no Mode C, (VOR, DME, TACAN, RNAV, or GNSS)
- L - RVSM, GNSS, Transponder with Mode C
- W - RVSM, Transponder with Mode C, Applies to VOR, DME, or TACAN (No RNAV or GNSS).
- Z - RVSM, RNAV w/out GNSS, Transponder with Mode C

### ➤ Departure Point , Destination Point, Alternate Airport, Alternate Airport 2 – Departure/Destination/Alternates

This helper dialog lets the pilot enter a minimum of two alphanumeric characters to search by following:

- Airport ID
- Heliport ID
- NavAid ID (Not available for Alternates or from Airports Page)

- Waypoints ID (Not available for Alternates or from Airports Page)
- Name
- City

Enter characters in the text box on the FP form and click on Departure/Destination/Alternates button. The helper dialog opens with the Exact Match checkbox deselected by default. Selecting Exact Match checkbox will narrow the search results.

If no match is found, the following message is displayed “No records match search criteria”. In that case, deselect the Exact Match checkbox and initiate another search by clicking on the Search button.

If the helper dialog is opened with no text in the FP form field, the search box displays “ID, Name, or City”, and the Exact Match checkbox will not be checked by default.

For Airports, Heliports, and NavAid, the Departure/Destination/Alternates results will display the tie-in ARTCC and the tie-in FSS, if available.

The third screenshot shows a table of search results for 'DCA' with the following data:

ID	TYPE	NAME	LAT/LONG	CITY, STATE	ARTCC	FSS
CWC2	HELIPORT	KELOWNA (WILDCAT HELICOPTERS)	4952N11935W			
DADCA	WAYPOINT	DADCA	3129N08943W			
DCA	WAYPOINT	DOUBLE CONE ISLAND	2007S14846E			
DCA	NDB	OXONN	3846N07702W	WASHINGTON, DC	ZDC	DCA
DCA	AIRPORT	RONALD REAGAN WASHINGTON NATNL	3851N07702W	WASHINGTON, DC	ZDC	DCA
DCA	VOR/DME	WASHINGTON	3852N07702W	WASHINGTON, DC	ZDC	DCA
EDCA	AIRPORT	ANKLAM	5350N01340E			
EDCA	DME	WASHINGTON NATIONAL	3852N07702W			

#### ➤ Aircraft Color

This helper dialog lets the pilot select one or more Aircraft Color.

The Aircraft Color dialog contains the following color options:

- ☐ A = Amber
- ☐ B = Blue
- ☐ BE = Beige
- ☐ BK = Black
- ☐ BR = Brown
- ☐ G = Green
- ☐ GD = Gold
- ☐ GY = Gray
- ☐ M = Maroon
- ☐ O = Orange
- ☐ OD = Olive Drab
- ☐ P = Purple
- ☐ PK = Pink
- ☐ R = Red
- ☐ S = Silver
- ☐ TQ = Turquoise
- ☐ T = Tan
- ☐ V = Violet
- ☐ W = White
- ☐ Y = Yellow

#### ➤ Airport Info

When Airport Info button is clicked, the Airport Information Page, if available, is opened in a separate window for the requested airport. Reference **Airports Page** for description of the information available.

If your browser is configured to block popups and [www.1800wxbrief.com](http://www.1800wxbrief.com) is not on your list of websites with popups allowed, you will see the “Request Complete” dialog below. Clicking on “OK” will allow the popup to appear. To allow this popup to appear without the “Request Complete” dialog, add [www.1800wxbrief.com](http://www.1800wxbrief.com) to your list of websites where popups are allowed.

## ii. ICAO Flight Plan Form

### ➤ Aircraft Type

Reference **Domestic Flight Plan Form**, Aircraft Type Search above.

### ➤ Wake Turbulence

If available, the Wake Turbulence will be automatically populated based on the Aircraft Type.

### ➤ Aircraft Equipment

This helper dialog lets the pilot select one or more Aircraft Equipment. If N = NIL is selected the rest of the options are disabled.

The image shows two side-by-side screenshots of the 'Aircraft Equipment' dialog box. Both dialogs have a title bar 'Aircraft Equipment' and a list of equipment options with checkboxes. The left dialog shows 'N = NIL' selected, and all other options are disabled. The right dialog shows 'N = NIL' selected, and all other options are enabled. The options are:

- ☐ N = NIL
- ☐ S = (VOR, VHF RTF, ILS)
- ☐ A = GBAS Landing System
- ☐ B = LPV (APV with SBAS)
- ☐ C = LORAN C
- ☐ D = DME
- ☐ E1 = FMC WPR ACARS
- ☐ E2 = D-FIS ACARS
- ☐ E3 = PDC ACARS
- ☐ F = ADF
- ☐ G = GNSS
- ☐ H = HF RTF
- ☐ I = Inert'l Nav
- ☐ J1 = CPDLC ATN VDL Mode 2
- ☐ J2 = CPDLC FANS 1/A HFDL
- ☐ J3 = CPDLC FANS 1/A VDL Mode A
- ☐ J4 = CPDLC FANS 1/A VDL Mode 2
- ☐ J5 = CPDLC FANS 1/A SAT COM (INMARSAT)
- ☐ J6 = CPDLC FANS 1/A SAT COM (MTSAT)
- ☐ J7 = CPDLC FANS 1/A SAT COM (Iridium)
- ☐ K = MLS
- ☐ L = ILS
- ☐ M1 = ATC RTF SATCOM (INMARSAT)
- ☐ M2 = ATC RTF (MTSAT)
- ☐ M3 = ATC RTF (Iridium)
- ☐ O = VOR
- ☐ R = PBN Approved
- ☐ T = TACAN
- ☐ U = UHF RTF
- ☐ V = VHF RTF
- ☐ W = RVSM
- ☐ X = MNPS
- ☐ Y = VHF with 8.33 kHz channel spacing
- ☐ Z = Other (COM/, DAT/ or NAV/ in Field 18)

At the bottom of each dialog are 'OK' and 'Cancel' buttons.

### ➤ Surveillance Equipment

This helper dialog lets the pilot select one or more Surveillance Equipment. If N = NIL is selected the rest of the options are disabled.

**Surveillance Equipment**

☐ N = NIL  
☐ A = Mode A  
☐ C = Modes A and C  
☐ E = Mode S, ID, Alt and Squitter  
☐ H = Mode S, ID, Alt and Enhanced Surv  
☐ I = Mode S, ID no Alt  
☐ L = Mode S, ID, Alt, Squitter and Enhanced Surv  
☐ P = Mode S, Alt no ID  
☐ S = Mode S, ID and Alt  
☐ X = Mode S, no ID no Alt

☐ B1 = ADS-B, Dedicated 1090 MHz Out  
☐ B2 = ADS-B, Dedicated 1090 MHz Out and In

☐ U1 = ADS-B, UAT Out  
☐ U2 = ADS-B, UAT Out and In

☐ V1 = ADS-B, VDL Mode 4 Out  
☐ V2 = ADS-B, VDL Mode 4 Out and In

☐ D1 = ADS-C, FANS  
☐ G1 = ADS-C, ATN

OK Cancel

- **Departure, Destination, Alternate 1, Alternate 2 –**  
Departure/Destination/Alternates Reference **Domestic Flight Plan Form**, Departure/Destination/Alternates above
- **Other Information**  
Reference **ICAO Flight Plan – Other Information Field** for details.
- **Aircraft Color & Markings**  
This helper dialog lets the pilot select one or more Aircraft Color & Markings.  
Reference **Domestic Flight Plan Form**, Aircraft Color above.
- **Airport Info**  
Reference **Domestic Flight Plan Form**, Aircraft Info above.  
On the ICAO form, if ZZZZ is entered into the Departure field, then the DEP/ subfield value in the Other Information field will be used for Airport Info. If ZZZZ is entered into the Destination field, then the DEST/ subfield value in the Other Information field will be used for Airport Info. If ZZZZ is entered into the Alternate1 field, then the first value after the ALTN/ subfield in the Other Information field will be used for Airport Info. If ZZZZ is entered into the Alternate2 field, then the second value after the ALTN/ subfield in the Other Information field will be used for Airport Info.

#### e. **Flight Plan Hover Text and Field Help Dialogs**

If the mouse cursor is positioned over a Flight Plan field, then the hover text associated with that field will be displayed. The hover text provides general validation rules for the field and also indicates whether the field is required for any

Flight Plan actions. For the ICAO Flight Plan form, any field that maps to an ICAO field has the associated ICAO field number included in the hover text.

**Format:**

- 2-7 alphanumeric characters

**Required For:**

- Route Brief, File, Amend, Activate, Area Brief, NavLog, Optimize Altitude, Evaluate Departure Time

ICAO Field 7

Each Flight Plan field is a link which, upon being clicked on, will bring up a helper text dialog. The helper text provides detailed validation rules for the field and also indicates whether the field is required for any Flight Plan actions. For the ICAO Flight Plan form, any field that maps to an ICAO field has the associated ICAO field number included in the helper text dialog title bar.

Aircraft ID

ICAO Field 7

**Format:**

- 2-7 alphanumeric characters

**Required For:**

- Route Brief, File, Amend, Activate, Area Brief, NavLog, Optimize Altitude, Evaluate Departure Time

OK

#### f. Flight Plan Functions

- i. The following flight plan functions are available on the flight plan forms.

Route Brief

File

NavLog

Return Flight Plan

Clear

- ii. The following flight plan functions are available on flight plan forms for VFR flight plans that have been filed.

Route Brief

Amend

Cancel

Activate

NavLog

Return Flight Plan

Clear

- iii. The following flight plan functions are available on flight plan forms for IFR flight plans that have been filed.

Route Brief

Amend

Cancel

NavLog

Return Flight Plan

Clear

- iv. The following flight plan functions are available on flight plan forms for VFR flight plans that have been activated.

Route Brief

Amend

Close

NavLog

Return Flight Plan

Clear

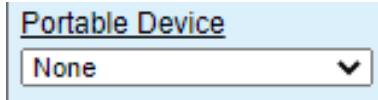
For details on Flight Activation, reference **Activating a Proposed VFR Flight Plan**.

For restrictions, refer to **Flight Planning Restrictions**.

v. **Flight Plan Alerts and Notifications**

In order to setup Alerts and Notifications, the Alerts and Notifications Contact Information section must be saved in your profile by navigating to Dashboard -> Advanced Services Dashboard.

If more than one Special Device is added from the Advanced Services Dashboard, the Portable Device section will be displayed on the flight plan form.

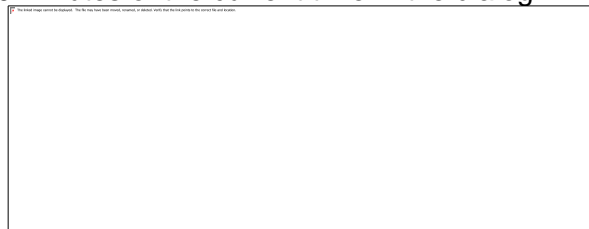
A screenshot of a web form element labeled "Portable Device" in blue text. Below the label is a dropdown menu with a white background and a blue border. The word "None" is displayed in blue text within the dropdown, and a small blue downward-pointing arrow is visible on the right side of the dropdown box.

If the Aircraft selected is equipped with a Position Reporting Device and this special device is set in the Aircraft tab in Account page, then the Portable Device field will not be visible; instead the special device in the aircraft will be used for position reporting.

g. **Activating a Proposed VFR Flight Plan**

Proposed VFR flights can be activated from either the Dashboard page or the Plan & Brief Page. Once a VFR flight plan has been activated, the user must close the active flight within 30 minutes of their estimated arrival time, or be subjected to Search and Rescue (SAR) procedures at ETA + 30 minutes.

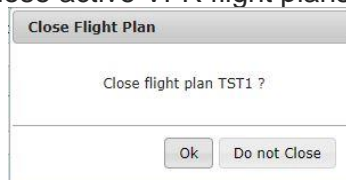
When a user clicks on the OK button, the VFR flight plan is validated. The user will be redirected to the Flight Plan & Briefing page if there are validation errors. If no errors exist, an activation popup allows the user to change the Activation time (HHMM) to +/- 30 minutes of the current time in the dialog.

A large, empty rectangular box with a thin black border, representing the activation popup dialog mentioned in the text.

For restrictions, refer to **Flight Planning Restrictions**.

h. **Closing an Active VFR Flight Plan**

Select the Close button to close active VFR flight plans.

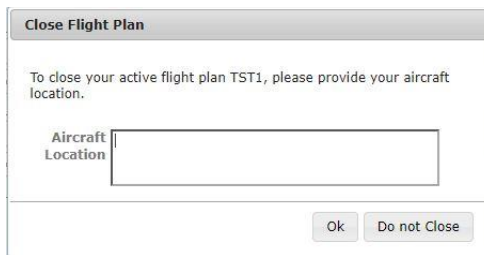
A screenshot of a "Close Flight Plan" dialog box. The title bar is grey and says "Close Flight Plan". The main area is white and contains the text "Close flight plan TST1 ?". At the bottom, there are two buttons: "Ok" and "Do not Close".

If the user clicks on the OK button on the Close Flight Plan dialog, the following actions occur:

- The confirmation dialog is closed, and
- The flight plan is closed and removed from the list on the Dashboard page.

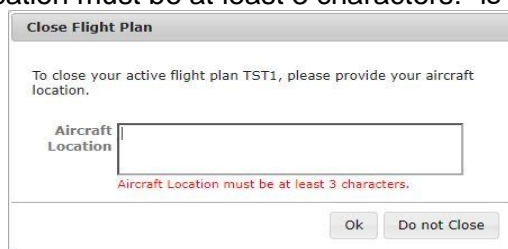
If the user presses the Do not Close button on the Close Flight Plan dialog, the confirmation dialog is closed and no action is performed.

If the flight plan is in an overdue state, the pilot will be prompted to provide the aircraft location and select the OK button in the dialog.



A screenshot of a 'Close Flight Plan' dialog box. The title bar says 'Close Flight Plan'. The main text reads: 'To close your active flight plan TST1, please provide your aircraft location.' Below this is a text input field labeled 'Aircraft Location'. At the bottom right are two buttons: 'Ok' and 'Do not Close'.

The Aircraft Location field requires at least 3 characters in length, otherwise the message "Aircraft Location must be at least 3 characters." is displayed.



A screenshot of the 'Close Flight Plan' dialog box with an error message. The title bar says 'Close Flight Plan'. The main text reads: 'To close your active flight plan TST1, please provide your aircraft location.' Below this is a text input field labeled 'Aircraft Location'. Below the input field, the error message 'Aircraft Location must be at least 3 characters.' is displayed in red. At the bottom right are two buttons: 'Ok' and 'Do not Close'.

**i. Route of Flight Validations**

- i. In the Route of Flight field, if the first route element is same as the departure airport and a NAVAID, the NAVAID will be retained in the route. Similarly, if the last route element is same as the destination airport and a NAVAID, the NAVAID will be retained in the route.
- ii. All consecutive duplicate route elements will be removed.
- iii. The route of flight field may not contain non-navigable items such as Remote Communications Outlets (RCOs) or weather station identifiers.
- iv. If equipage data is provided in the flight plan, it will be validated accordingly and if it is invalid, an error message will be displayed.
- v. If the aircraft type and equipage do not qualify for the SID/STAR provided in the route, an error message will be displayed.

**j. Flight Planning Restrictions**

- i. If a Flight Plan intersects the DC SFRA or the DC FRZ, one of the following messages may be displayed.
  - For Filing or Amending VFR Flight Plans intersecting DC SFRA:
    - Your proposed VFR flight plan intersects the DC SFRA. You must either change to an IFR Flight Plan with an Altitude of "VFR/NNN" (where NNN is hundreds of feet), or file with a Leidos Flight Service Specialist (800-WX-BRIEF).
  - For Filing or Amending VFR Flight Plans intersecting the DC FRZ:
    - Your proposed flight plan intersects the DC FRZ. You must file with a Washington Center Flight Data Specialist (703-771-3476)
  - For Activating VFR Flight Plans intersecting the DC SFRA:
    - Your proposed flight plan intersects the DC SFRA. You must activate with a Leidos Flight Service Specialist (800-WX-BRIEF).
  - For Activating VFR Flight Plans intersecting the DC FRZ:
    - Your proposed flight plan intersects the DC FRZ. You must activate with a Washington Center Flight Data Specialist (703-771-3476).

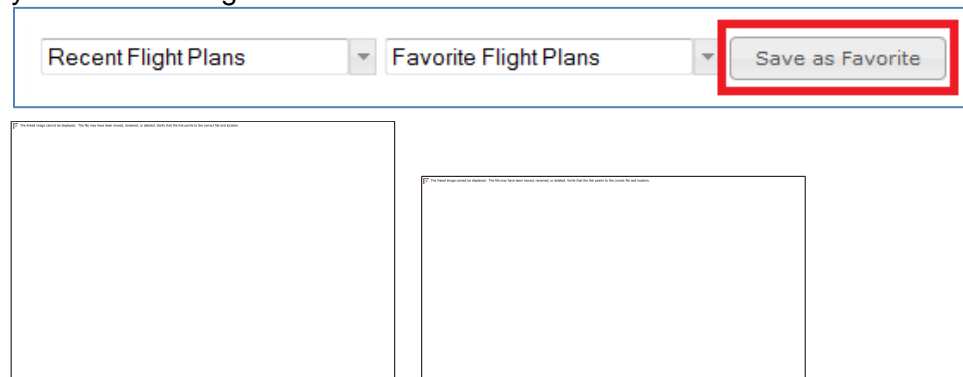


- ii. IFR Flight Plans within 46 minutes of ETD cannot be amended or cancelled.
  - The following message will be displayed if a user tries to amend such an IFR flight plan.
    - Amendment of an IFR flight plan is not allowed within 46 minutes of ETD. Please contact a Leidos Flight Service Specialist (800-WX-BRIEF) for assistance.
  - The following message will be displayed if a user tries to cancel such an IFR flight plan.
    - Cancellation of an IFR flight plan is not allowed within 46 minutes of ETD. Please contact a Leidos Flight Service Specialist (800-WX-BRIEF) for assistance.
- iii. IFR Flight Plans cannot be activated.
  - The Activate button is not presented for IFR flight plans.
- iv. For Domestic IFR/MIFR and ICAO IFR/YFR round-robin flight plans, a route element is required.
  - If the route field is empty, a fix-radial-distance (FRD) point will be added to the route and the prefix “FRC” will be added to the remarks field.
    - For Domestic, the FRD format will be “<DEP>001001”
    - For ICAO the format will be “DCT <DEP>001001 DCT”

Note this is applicable for departure/destination airport/heliport/NAVAID/waypoint fixes.
- v. Flights that depart from within an allowable foreign airspace or intersect foreign airspace must be filed as an ICAO flight plan.
  - The exception to this, are flights that depart from Canadian airspace; they must be filed as ICAO IFR or YFR flight plans.
  - The following countries are considered allowable foreign departure locations: Canada, Mexico, Puerto Rico, Bahamas, Pacific Rim, Turks & Caicos, and US Virgin Islands.
- vi. An ICAO IFR/YFR flight plan that exactly matches all of the following data of an existing filed flight plan will not be allowed to be filed: aircraft ID, departure, departure date & time, route of flight, and destination.
  - The following message will be displayed if a user attempts to file a duplicate flight plan:
    - We detected a duplicate Flight Plan in our system filed on <date> at <time>. Duplicate flight plans will be rejected by ATC. This flight plan must be modified in order to file.

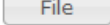
#### k. Recent and Flight Planning Lists

Fill out the Flight Plan form and click on the Save As Favorite button to be added to your Favorite Flight Plan list.



The screenshot shows a web interface for flight planning. At the top, there are two tabs: 'Recent Flight Plans' and 'Favorite Flight Plans'. To the right of these tabs is a button labeled 'Save as Favorite', which is highlighted with a red rectangular box. Below the tabs, there are two large, empty rectangular areas, likely intended for displaying lists of flight plans or details of a selected plan.

Once added, Personal or Shared Favorite Flight Plans are available to be selected from the pull down menu.

Fill out the Flight Plan form and click on the  button to be added to your Recent Flight Plan list. Up to 30 Flight Plans that have been filed recently will get added to the Recent Flight Plans which are available to be selected from the pull down menu.

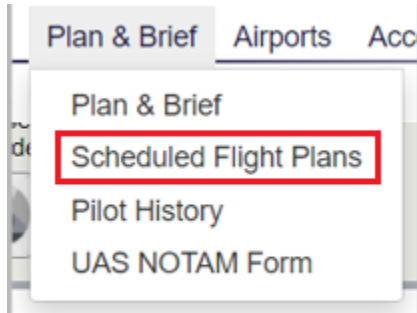
#### I. **Pre-Stored Flight Plans (Scheduled Flight Plans)**

The Pilot Web Pre-Stored Flight Plan (PSFP) feature is only available to operators who have entered into a Letter of Agreement with Leidos Flight Service per FAA Order 7210.3 13-4-1. A PSFP may be applicable when an operator intends to make two or more identical flights per week. The PSFP is a stored and automatically filed flight plan that reoccurs on a scheduled basis for a pre-determined or indefinite amount of time.

For additional information or activation of this feature through your Pilot Web account, please contact the appropriate Service Area Plans & Procedures Department:

- Eastern Service Area: 703-723-4588 / 703-726-4447 or email R-AFSS-PPS-ESA@leidos.com
- Central Service Area: 817-541-3462 / 817-541-3461 or email R-AFSS-PPS-CSA@leidos.com
- Western Service Area: 928-583-6111 or email R-AFSS-PPS-WSA@leidos.com

The Scheduled Flight Plans page is used to view and manage Pre-Stored Flight plans. It may be selected by navigating to the Plan & Brief menu item and selecting “Scheduled Flight Plans”.



When the Scheduled Flight Plans page is selected, the following page is displayed:

### Scheduled Flight Plans

Aircraft ID	Departure	Destination
No Scheduled Flight Plans		

Click row to view flight plan

### Schedule Summary

Departure Time	Start Date	Stop Date
----------------	------------	-----------

Click row to view schedule

### Instructions

How to add, delete, modify, and schedule flight plans

ICAO | Domestic

#### ICAO Flight Plan

\* Click field names for help

Aircraft ID:

Flight Rule:

Flight Type (Optional):

Number of Aircraft (Optional):

Aircraft Type:

Wake Turbulence Category:

Aircraft Equipment:

Surveillance Equipment:

Departure Aerodrome:

Cruising Speed:

Level:

Route of Flight:

Destination Aerodrome:

Total Estimated Elapsed Time:  HHMM

Alternate Aerodrome 1 (Optional):

Alternate Aerodrome 2 (Optional):

Other Information (Optional):

#### Supplementary Information

Aircraft Color & Markings (Optional):

#### Emergency Equipment

Survival Equipment: ☐ Polar ☐ Desert ☐ Maritime ☐ Jungle

Emergency Radios: ☐ UHF ☐ VHF ☐ ELBA

Jackets: ☐ Light ☐ Fluorescent ☐ UHF ☐ VHF

#### Dinghies

Number (Optional):

Capacity (Optional):

Covered (Optional): ☐

Color (Optional):

Supplemental Remarks (Optional):

Pilot in Command (Optional):

Operators are able to create flight plans and then add schedules for that flight plan using this interface. Each flight plan must have at least one schedule.

i. Scheduled Flight Plans Area

The Scheduled Flight Plan Area lists a summary of the operator's scheduled flight plans.

Scheduled Flight Plans		
Aircraft ID	Departure	Destination
N1234	BWI	SEA
N1234	JFK270010	2700N08100W
N123456	KJFK	MROC
N123456	JFK	
Click row to view flight plan		
Add Schedule	Delete Flight Plan	

Selecting a plan from the list allows the operator to edit or view the details of the plan and the plan's schedules. Selecting a plan in the list will cause the plan to be populated in the Flight Plan Area as well as its schedules to be populated in the Schedule Summary Area.

The Delete Flight Plan button is enabled when a scheduled flight plan has been selected. When the Delete Flight Plan button is clicked a confirmation dialog appears with buttons OK and Cancel.

- If OK is selected, the confirmation dialog will close, the flight plan will be removed from the Scheduled Flight Plan table, all associated schedules will be removed from the Schedule Summary Area and the plan is deleted.  
If the flight plan is successfully deleted, a dialog appears with the message "Scheduled flight plan was deleted." If the deletion is unsuccessful, a dialog appears with the message "Unable to delete selected flight plan. Please retry or refresh the web browser. If the problem persists, please contact a Leidos Flight Service Specialist (800-WX-BRIEF) for assistance."
- If Cancel is selected, the confirmation dialog will close and no changes are made to the plan.

Select the Add Schedule button to create a new schedule. The Add Schedule button is enabled when a scheduled flight plan has been selected. When the Add Schedule button is clicked the flight plan form is validated and if the flight plan form validation succeeds, the plan and schedules are saved.

ii. Schedule Summary Area

The Scheduled Summary Area provides a summary of the schedules associated with the plan selected in the Scheduled Flight Plans Area.

Schedule Summary		
Departure Time	Start Date	Stop Date
1400Z	Apr 1, 2013	May 1, 2015
1400Z	Apr 1, 2013	May 1, 2015
1400Z	Apr 1, 2013	May 1, 2015
1400Z	Apr 1, 2013	No Expiration
Click row to view schedule		

Selecting a schedule from the list will cause the Schedule Dialog (reference section [Schedule Dialog](#)) to be opened. The dialog will be populated with the schedule details for the row selected.

### iii. Flight Plan Area

The flight plan area allows operators to enter or modify a flight plan to be scheduled.

Note: Values on a new flight plan mask, including the Aircraft ID, will be populated from the user's primary aircraft profile.

- **Switching Between Form Types**  
Flight plans can be entered using a ICAO or Domestic flight plan mask. Operators can switch between the different flight plan masks by selecting the desired form using the buttons below:

**ICAO** | Domestic

The Flight Plan Template Switch Buttons are displayed above the Flight Plan template area. The selected Flight Plan template is highlighted with a light blue color. The image above shows what would be displayed when "ICAO" is selected.

If a flight plan is selected from the Scheduled Flight Plans area, the Flight Template Switch Buttons are all disabled to prevent the user from changing the flight plan type. Operators may clear the selection using the "Clear" button. If a flight plan is not selected in the table, the button associated with the currently displayed template is disabled. Otherwise, the buttons are enabled.

If a user presses a template switch button while the template for another flight plan type is displayed, the newly selected switch button will have a background highlighted in blue, and the button associated with the original template will have a grey background. Note that data is not transferred between template switches but the user's entries on each template are maintained until the form is saved or cleared.

All flight plan masks have 2 buttons below the mask "Save Flight Plan" and "Clear".

- **Saving Scheduled Flight Plans**  
After selecting a flight plan mask and populating the flight plan mask or updating an existing flight plan mask, press the Save Flight Plan button.

For a pre-store flight plan to be saved the following fields are required:

- For Domestic FP:  
Flight Rules, Aircraft Id, Aircraft Type, Aircraft Equipment, Airspeed, Departure, Altitude, Destination, Estimated Time Enroute, Aircraft Color
- For an ICAO FP:  
Aircraft ID, Flight Rule, Aircraft Type, Wake Turbulence Category, Aircraft Equipment, Surveillance Equipment, Departure Aerodrome, Cruising Speed, Level, Route of Flight, Destination Aerodrome, Total Estimated Elapsed Time

When the Save Flight Plan button is pressed, the new or modified scheduled flight plan is validated. Saving a scheduled flight plan will follow the same validation process and error responses as filing a flight plan on the Flight Planning and Briefing Page. Reference **Flight Planning Restrictions** for additional error conditions and required dialog responses relating to route validation, SFRA/FRZ penetration, Canadian departures, and altitude conflicts.

If the flight plan fails validation, a dialog appears with either the general error message “There are errors in the submitted data.” or a specific error message related to restrictions mentioned above. Additionally, an error message will appear below each field causing the validation failure. If the required fields are not populated, an error message in red text beneath each missing field, “Required” is displayed. If any of the submitted entries do not pass validation, “Invalid” in red text beneath each invalid field is displayed.

For a new flight plan with no schedules, if all of the required fields are populated and pass validation, the blank Schedule Dialog window is displayed. Saving a valid schedule through the dialog will also save the flight plan.

For a new or modified flight plan with schedules, if all of the required fields are populated and validation is successful, the scheduled flight plan is saved and a success dialog with title “Confirmation” and button “OK” is opened containing the message “Scheduled flight plan was updated”.

- **Clearing The Flight Plan Mask**  
To clear the Flight plan currently displayed in the flight plan mask, select the Clear button.

If the user presses the Clear button when there is no selected flight plan, a default flight plan template is displayed.

If there is a selected flight plan and the currently displayed flight plan template have fields that have been changed by the user since the last save, a confirmation dialog with the message “Flight Plan changes have not been saved. Discard changes?” and two buttons: OK and Cancel is displayed. If the OK button is pressed, the scheduled plan list selection is cleared, and a default flight plan template is displayed. If the Cancel button is selected, the Clear Flight Plan dialog is closed and there are no changes to the displayed flight plan template.

If there have been no changes to the fields since the last save, the scheduled plan list selection is cleared and displays a default flight plan template.

Note that in all cases, the default flight template will be of the same type as the previously displayed flight plan template. So if the previously displayed flight plan is domestic, a default domestic flight plan template is displayed.

- Domestic Mask  
When the Domestic flight plan mask is selected, the flight plan mask below will be displayed.

Domestic Flight Plan

\* Click field names for help

Flight Rule:

Aircraft ID:

Number of Aircraft (Optional):

Aircraft Type:

Aircraft Equipment:

Heavy Wake Turbulence: ☐

Airspeed:

Departure Point:

Altitude:

Route of Flight:   
(Leave blank for direct)

Destination Point:

Estimated Time Enroute:

Remarks (Optional):

Alternate Airport (Optional):

Alternate Airport 2 (Optional):

Aircraft Color:

Refer to section 7.1.a for Domestic Flight Plan Form validation rules.

Note that placing the mouse over a field label or clicking on the field label will also display the validation rules for that field.

- ICAO Mask  
When the ICAO flight plan mask is selected, the flight plan mask below will be displayed.

ICAO Flight Plan

\* Click field names for help

Aircraft ID:

Flight Rule:

Flight Type (Optional):

Number of Aircraft (Optional):

Aircraft Type:

Wake Turbulence Category:

Aircraft Equipment:

Surveillance Equipment:

Departure Aerodrome:

Cruising Speed:

Level:

Route of Flight:

Destination Aerodrome:

Total Estimated Elapsed Time:

Alternate Aerodrome 1 (Optional):

Alternate Aerodrome 2 (Optional):

Other Information (Optional):

Supplementary Information

Aircraft Color & Markings (Optional):

Emergency Equipment

Survival Equipment:

Emergency Radios:

Jackets:

Dinghies

Number (Optional):

Capacity (Optional):

Covered (Optional):

Color (Optional):

Supplemental Remarks (Optional):

Pilot in Command (Optional):

Save Flight Plan

Clear

Refer to section 7.1.b for ICAO Flight Plan Form validation rules.

Note that placing the mouse over a field label or clicking on the field label will also display the validation rules for that field.



iv. Schedule Dialog

The Schedule Dialog allows a pilot to add, view, modify, and delete schedules for scheduled flight plans. This dialog is displayed whenever the user selects an existing schedule to edit or clicks the “Add Schedule” button in the Scheduled Flight Plan Area.

**Schedule**

Note: A scheduled flight plan must have at least one schedule.

Departure Time (UTC):

Start Date:

☒ Stop Date:

☐ No Stop Date

☒ Automatically adjust for daylight savings time.

**Recurrence Pattern**

☒ Every week on

☐ Sunday

☐ Monday

☐ Tuesday

☐ Wednesday

☐ Thursday

☐ Friday

☐ Saturday

☐ Once a month on the

☐ Once a month on the

Each scheduled flight plan must have at least one schedule. Each schedule must have a departure time specified in UTC. Each schedule has a start day (the day the schedule becomes active). Optionally, each schedule can also have a stop day (the day the schedule becomes inactive).

The “Automatically adjust for daylight savings time.” option automatically adjust the departure time for daylight savings when checked.

Each schedule also has a recurrence pattern. This pattern allows the operator to schedule the flight plan to be automatically filed on a day(s) of week, day of the month or a specified day of the week and week of the month (i.e. the first Sunday of every month).

The table below lists the action buttons available on the Plan Schedule Dialog and provides details related to these buttons.

PLAN SCHEDULE CONTROLS		
Button Name	Description	Action on Click
Plan Schedule Controls		
Save	Save the current schedule and plan.	<p>If Departure Time or Start Date contains no data then the red text "Required" will be displayed under the field.</p> <p>If Stop Date radio button is selected and Stop Date contains no data then the red text "Required" will be displayed under the field.</p> <p>If Departure Time contains invalid data, then the red text "Invalid Time" will be displayed under the field.</p> <p>If Start Date or Stop Date contains invalid data, then the red text "Invalid Date" will be displayed under the field with invalid data.</p> <p>If any of the recurrence records created by the user are defined such that there will be no occurrences in the future, the dialog will display in red text: "The selected schedule has no future occurrences. Please modify and try again."</p> <p>If the schedule save is associated with a new scheduled flight plan that does not pass the route restrictions, the associated error dialog will be displayed and all entered schedule information will be lost.</p> <p>Otherwise, the following will occur:</p> <ul style="list-style-type: none"> <li>The full pre-stored flight plan form and schedules are saved to the pre-filed plan system.</li> <li>The Schedule Dialog is closed.</li> <li>A success dialog is opened and contains the message "Scheduled flight plan was updated"</li> </ul>
Delete	Delete the current schedule from the plan.	<p>The schedule is deleted from the schedule list and the full pre-stored flight plan form and remaining schedules are saved.</p> <p>The Schedule Dialog is closed.</p> <ul style="list-style-type: none"> <li>A success dialog is opened and contains the message "Scheduled flight plan was updated."</li> </ul>
Cancel	Close this dialog without saving.	<p>The Schedule Dialog is closed.</p> <p>If an existing schedule was displayed, any modifications to the schedule are discarded and the schedule remains unchanged.</p> <ul style="list-style-type: none"> <li>If the dialog was for a new schedule, any input data is discarded.</li> </ul>

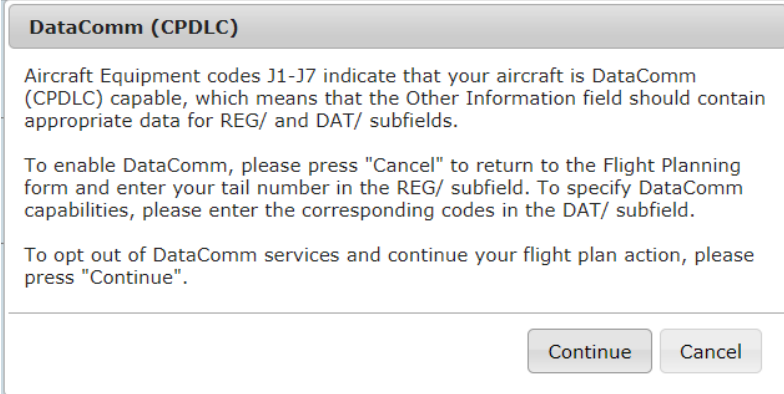
The table below lists all of the fields on the Plan Schedule Dialog and provides details including validation rules, expected formats and interactions.

PLAN SCHEDULE FIELDS		
Field Name	Description	Expected Data Format
Plan Scheduled Fields		
Departure Time (UTC)	Departure time for the flight in UTC.	HHMM
Start Date	<p>Displays the starting date for the schedule recurrence of this flight plan.</p> <p><b>On click:</b> The date selector is displayed.</p>	<p>8 digits separated by "/"</p> <p>MM/DD/YYYY</p> <p>Must be earlier than Stop Date</p>
Stop Date Radio Button	<p>Indicates that the scheduled recurrence of this flight plan has an end date.</p> <p><b>On click:</b> The Stop Date field is enabled.</p>	Selected/Not Selected
Stop Date	<p>Displays the ending date for the scheduled recurrence of this flight plan.</p> <p><b>On click:</b> The date selector is displayed.</p>	<p>8 digits separated by "/"</p> <p>MM/DD/YYYY</p> <p>If a Stop Date is specified, it must be later than Start Date</p>
No Stop Date Radio Button	Indicates that the scheduled recurrence of this flight plan has no end date.	<p><b>On click:</b> The Stop Date field is disabled.</p> <p>Note that the entry in the Stop Date field will be retained until the schedule is saved so that if the user toggles back to the Stop Date Option, the original entry will still be selected.</p>

PLAN SCHEDULE FIELDS		
Field Name	Description	Expected Data Format
Automatically adjust for daylight savings time check box	<p>When entering times in the Departure Time field the user must specify if the time has been adjusted for daylight savings time (e.g., the current date is July 4th and the DEP is not in Arizona).</p> <p>When checked and daylight savings time is in effect, the plan's estimated departure time is interpreted as being relative to daylight time, and is reduced by one hour so that it will be properly processed by the. The effect is that the flight's estimated departure time is a constant local time, regardless of the time of year.</p>	Checked/Unchecked
Every week on radio button	<p>Indicates that the recurrence pattern is weekly on specified days of the week.</p> <p>The following 3 radio buttons are in a radio button group and only one of these radio buttons can be selected at a time:</p> <ul style="list-style-type: none"> <li>• "Every week on"</li> <li>• "Once a month on the" day of month</li> <li>• "Once a month on the" week/day of week</li> </ul>	Selected/Unselected
Days of the week check boxes	<p>Displays the days of the week that the flight plan will be filed every week.</p> <p>Note that the user may specify that a recurrence is daily simply by selecting all of the checkboxes.</p>	Checked/Unchecked
Once a month on the day of month radio button	<p>Indicates that the recurrence pattern is monthly, on a day of the month specified numerically (e.g., Once a month on the 15th). When this radio button is selected the associated day of the month drop-down is enabled.</p> <p>The following 3 radio buttons are in a radio button group and only one of these radio buttons can be selected at a time:</p> <ul style="list-style-type: none"> <li>• "Every week on"</li> <li>• "Once a month on the" day of month</li> <li>• "Once a month on the" week/day of week</li> </ul>	Selected/Unselected
Day of the month drop down box	<p>Displays the day of the month, 1-31, that the flight plan will be filed.</p> <p>Note that if the current month of filing has less than the specified days, the last day of the month is used. For example, if 31 is selected and the current month is April, then the filing will take place on the 30th.</p>	Select a value in the drop down list.
Once a month on the week/day of week radio button	<p>Indicates that the recurrence pattern is monthly, as specified by a particular week of the month (e.g., First, Second, Third, Fourth) and day of the week (e.g., Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday).</p> <p>The following 3 radio buttons are in a radio button group and only one of these radio buttons can be selected at a time:</p> <ul style="list-style-type: none"> <li>• "Every week on"</li> <li>• "Once a month on the" day of month</li> <li>• "Once a month on the" week/day of week</li> </ul>	Selected/Unselected
Week drop down box	Displays the week of the month for this recurrence pattern.	Select a value in the drop down list.
Day of week drop down box	Displays the day of the week for this monthly recurrence pattern.	Select a value in the drop down list.

## DataComm (CPDLC) Dialog:

Applicable to IFR/YFR/ZFR ICAO flight plans, when Aircraft Equipment contains a J-Code (J1-J7) and Other Information does not contain REG/ data, clicking on Save Flight Plan button will bring up a DataComm (CPDLC) dialog. Through this dialog, the user can elect to enable and select the types, or opt out of DataComm services.



**DataComm (CPDLC)**

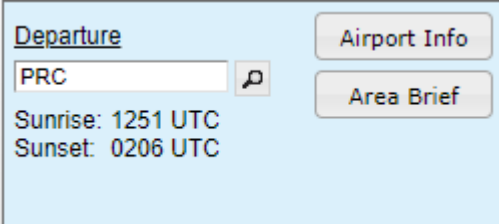
Aircraft Equipment codes J1-J7 indicate that your aircraft is DataComm (CPDLC) capable, which means that the Other Information field should contain appropriate data for REG/ and DAT/ subfields.

To enable DataComm, please press "Cancel" to return to the Flight Planning form and enter your tail number in the REG/ subfield. To specify DataComm capabilities, please enter the corresponding codes in the DAT/ subfield.

To opt out of DataComm services and continue your flight plan action, please press "Continue".

### m. Sunrise and Sunset Times (ICAO Flight Planning only)

The calculated sunrise and sunset times are displayed in the departure and destination sections of the ICAO flight plan when a valid departure or destination are entered along with a valid departure date/time and timezone. The values are displayed below the location text field.



Departure

PRC

Sunrise: 1251 UTC  
Sunset: 0206 UTC

## 9.2. Briefing Customization

The Briefing Customization dialog allows briefing parameters (settings and filter options) to be selected prior to generating the briefing output. The dialog is accessed from the Flight Planning and Briefing page when either the Route Brief button or an Area Brief button on the form is selected after entering valid required data into the form. If any required field on the form fails validation, a popup message appears detailing the error. If the aircraft being used for this navigation log request does not contain aircraft performance data (Account>Aircraft), then the navigation log will not be able to calculate fuel consumption nor determine the top of climb and top of descent locations (this can be seen in the image below).

**Briefing Customization**

**Briefing Type:**
Standard
Abbreviated
Outlook

<b>Route Settings:</b> Briefing Corridor <span style="border: 1px solid black; padding: 2px 10px;">50</span> nm Winds Aloft Corridor <span style="border: 1px solid black; padding: 2px 10px;">200</span> nm	<b>Briefing Output Settings:</b> <input checked="" type="checkbox"/> Include Graphics <input checked="" type="checkbox"/> Include NextGen Content <input checked="" type="checkbox"/> Plain Text Translations
--	---

**Briefing Content Filters:**  
☐ Include Evaluate Departure Time Details [What's this?](#)  
☐ For briefings > FL180 only include Dep & Dest METARs & TAFs  
☒ Only include most recent METARs  
☐ Only include Graphical Forecast Products for departure time  
☐ Only include Winds Aloft for altitudes within 4000ft of filed altitude  
☐ Only include En Route Obstruction NOTAMs above the filed altitude minus 1000ft  
**Include En Route NAV NOTAMs:**  

☒ DME

☒ NDB

☒ VOR

☒ VOR-DME

☒ ILS

☒ TACAN

☒ VORTAC

☒ Other

**Include FDC NOTAMs:** [What's this?](#)  

☒ AIRSPACE

☒ DATA

☒ IAP

☒ ROUTE

☒ SID

☒ STAR

☒ CHART

☒ DVA

☒ ODP

☒ SECURITY

☒ SPECIAL

☒ VFP

**Include Optional Briefing Products:**  

☐ Flow Control Messages

☐ NHC Bulletins

☒ State Department NOTAMs

☒ Military NOTAMs

☒ Non-Location FDC NOTAMs

\* The briefing results are not tailored to your aircraft's performance. Enter your aircraft's information at [Account > Aircraft](#).

Web Briefing
PDF Briefing
Email Briefing
Cancel

The filter options available in the dialog are updated dynamically based on the selection of type (Standard, Abbreviated, Outlook) and briefing content (for Abbreviated briefings). Additionally, some filters are not applicable to Area Briefings and are subsequently not displayed.

With a few noted exceptions, all values selected are saved to the user's profile, and will be retrieved for future briefings.

#### a. Standard Briefing

Briefing Customization

Briefing Type:

Standard

Abbreviated

Outlook

Route Settings:

Briefing Corridor

50

nm

Winds Aloft Corridor

200

nm

Briefing Output Settings:

☒ Include Graphics
 ☒ Include NextGen Content

☒ Plain Text Translations

Briefing Content Filters:

☐ Include Evaluate Departure Time Details [What's this?](#)
☐ For briefings > FL180 only include Dep & Dest METARs & TAFs
 ☒ Only include most recent METARs
 ☐ Only include Graphical Forecast Products for departure time
 ☐ Only include Winds Aloft for altitudes within 4000ft of filed altitude
 ☐ Only include En Route Obstruction NOTAMs above the filed altitude minus 1000ft

Include En Route NAV NOTAMs:

☒ DME
 ☒ NDB
 ☒ VOR
 ☒ VOR-DME
 ☒ ILs
 ☒ TACAN
 ☒ VORTAC
 ☒ Other

Include FDC NOTAMs: [What's this?](#)

☒ AIRSPACE
 ☒ DATA
 ☒ IAP
 ☒ ROUTE
 ☒ SID
 ☒ STAR
 ☒ CHART
 ☒ DVA
 ☒ ODP
 ☒ SECURITY
 ☒ SPECIAL
 ☒ VFP

Include Optional Briefing Products:

☐ Flow Control Messages
 ☐ NHC Bulletins
 ☒ State Department NOTAMs
 ☒ Military NOTAMs
 ☒ Non-Location FDC NOTAMs

Web Briefing

PDF Briefing

Email Briefing

Cancel

*\*Image depicts Standard Route Brief options. Area Brief options will differ slightly.*

When Standard is selected as the Briefing Type, the Briefing Customization dialog will adjust the Briefing Content Filter options to show those pertaining to Standard briefings.

## b. Abbreviated Briefing



Briefing Customization

Briefing Type:

Standard

Abbreviated

Outlook

Route Settings:

Briefing Corridor

50

nm

Winds Aloft Corridor

200

nm

Briefing Output Settings:

☒ Include Graphics
 ☒ Include NextGen Content

☒ Plain Text Translations

Select Briefing Contents:

All

None

☒ Adverse Conditions
 

☒ Temporary Flight Restrictions
 ☒ Closed/Unsafe NOTAMs
 ☒ Convective SIGMETs
 ☒ SIGMETs

☒ AIRMETs
 

☒ IFR
 ☒ Mountain Obscuration
 ☒ Icing
 ☒ Freezing Level
 ☒ Turbulence Low Altitude
 ☒ Turbulence High Altitude
 ☒ Winds Over 30 Knots
 ☒ Low Level Wind Shear
 ☒ Other

☒ Urgent PIREPs & AIREPs
 ☒ Center Weather Advisories
 ☒ Severe Weather
 ☒ Volcanic Ash Advisories

☐ Synopsis & Current Wx
 

☒ Synopsis/Surface Analysis
 ☐ METARs
 ☐ PIREPs & AIREPs

☐ Forecasts
 

☒ Cloud Coverage
 ☒ Vis, Sfc Winds & Precip
 ☐ TAFs
 ☐ Winds Aloft
 ☐ Area Forecast
 ☐ Convective Outlooks

☐ Other
 

☐ Flow Control
 ☐ UAS Operating Areas
 ☐ NHC Bulletins

☐ NOTAMs
 

☐ Departure
 ☐ Destination
 ☐ Alternate 1
 ☐ Alternate 2

☐ En Route
 

☐ Navigation
 ☐ Communication
 ☐ Service
 ☐ Obstruction
 ☐ Airspace
 ☐ Special Use Airspace
 ☐ Runway/Taxiway/Apron/Aerodrome/FDC
 ☐ Other/Unverified
 ☐ Military

☐ General FDC
 ☐ International
 ☐ Uncategorized

Briefing Content Filters:

☐ Include Evaluate Departure Time Details [What's this?](#)
☐ For briefings > FL180 only include Dep & Dest METARs & TAFs
 ☒ Only include most recent METARs
 ☐ Only include Graphical Forecast Products for departure time
 ☐ Only include Winds Aloft for altitudes within 4000ft of filed altitude
 ☐ Only include En Route Obstruction NOTAMs above the filed altitude minus 1000ft

Include En Route NAV NOTAMs:

☒ DME
 ☒ NDB
 ☒ VOR
 ☒ VOR-DME

☒ ILS
 ☒ TACAN
 ☒ VORTAC
 ☒ Other

Include FDC NOTAMs: [What's this?](#)

☒ AIRSPACE
 ☒ DATA
 ☒ IAP
 ☒ ROUTE
 ☒ SID
 ☒ STAR

☒ CHART
 ☒ DVA
 ☒ ODP
 ☒ SECURITY
 ☒ SPECIAL
 ☒ VFP

Web Briefing

PDF Briefing

Email Briefing

Cancel

*\*Image depicts Abbreviated Route Brief options. Area Brief options will differ slightly.*

When Abbreviated is selected as the Briefing Type, the Briefing Customization dialog will display Briefing Content checkboxes to personalize the briefing output by selecting the desired briefing products to display. The Adverse Conditions group will always be selected by default.

Furthermore, the dialog will adjust the Briefing Content Filter options when certain briefing products are selected.

### c. Outlook Briefing

The screenshot shows the 'Briefing Customization' dialog box. At the top, 'Briefing Type:' has three tabs: 'Standard', 'Abbreviated', and 'Outlook', with 'Outlook' being the active tab. Below this, there are three main sections: 'Route Settings', 'Briefing Output Settings', and 'Briefing Content Filters'. 'Route Settings' includes 'Briefing Corridor' set to 50 nm and 'Winds Aloft Corridor' set to 200 nm. 'Briefing Output Settings' has two checked options: 'Include Graphics' and 'Include NextGen Content', and one unchecked option: 'Plain Text Translations'. 'Briefing Content Filters' has three unchecked options: 'For briefings > FL180 only include Dep & Dest TAFs', 'Only include Graphical Forecast Products for departure time', and 'Only include Winds Aloft for altitudes within 4000ft of filed altitude'. At the bottom, there are three buttons: 'Web Briefing', 'PDF Briefing', and 'Email Briefing', and a 'Cancel' button on the right.

*\*Image depicts Outlook Route Brief options. Area Brief options will differ slightly.*

When Outlook is selected as the Briefing Type, the Briefing Customization dialog will adjust the Briefing Content Filter options to show only those pertaining to Outlook briefings.

### d. Route Settings

This screenshot shows the 'Route Settings' section of the dialog. It contains two dropdown menus: 'Briefing Corridor' set to 50 nm and 'Winds Aloft Corridor' set to 200 nm.

The Route Settings section within the Briefing Customization dialog contains dropdown menus used to select the corridor width around the route for both winds aloft and all other briefing data.

Options for the route Briefing Corridor are 50, 75, and 100 nautical miles with a default value of 50 nm. Options for the route Winds Aloft Corridor are 100, 200, 300, and 600 nautical miles with a default of 200 nm.

### e. Area Settings

This screenshot shows the 'Area Settings' section of the dialog. It contains two dropdown menus: 'Area Briefing Radius' set to 25 nm and 'Winds Aloft Briefing Radius' set to 100 nm.

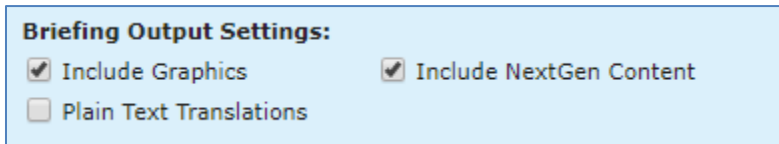
For Area Briefings, the Area Settings section within the Briefing Customization dialog contains dropdown menus used to select the radius around the selected area for both winds aloft and all other briefing data.



Options for the Area Briefing Radius are 25, 50, 75, and 100 nautical miles with a default value of 25 nm. Options for the Winds Aloft Briefing Radius are 50, 100, 150, and 300 nautical miles with a default of 100 nm.

Area Settings selections made on the Briefing Customization window for any of the four locations (Departure, Destination, Alternate 1, and Alternate 2) will set the values for all four.

#### f. Briefing Output Settings



**Briefing Output Settings:**

☒ Include Graphics      ☒ Include NextGen Content

☐ Plain Text Translations

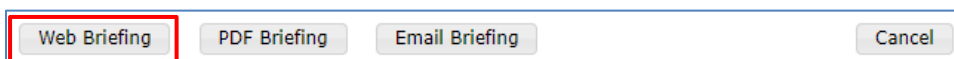
The Briefing Output Settings section on the Briefing Customization dialog contains checkboxes used to enable or disable settings that alter briefing output for NextGen briefings:

- Include Graphics
  - Display graphical representations of the route and each briefing product, if available
- Include NextGen Content:
  - Displays briefing with NEXTGEN features:
    - Translated summaries of adverse conditions
    - Customized graphics for individual briefing conditions
    - Anticipated times and locations of the flight intersecting conditions
    - Highlighting and color coding of important conditions
    - Filtering of extraneous information not applicable to the flight
- Plain Text Translations
  - Displays briefing data translated to plain readable text

#### g. Briefing Content Filters

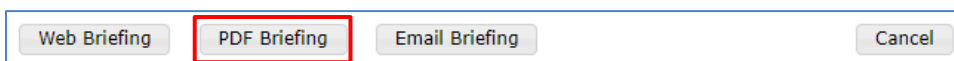
The Briefing Content Filters section within the Briefing Customization dialog provides content filters that can be used to reduce the size of the briefing output. The filters are dynamically displayed based on briefing type and whether Route or Area brief is selected.

#### h. Briefing Output



Web Briefing   PDF Briefing   Email Briefing   Cancel

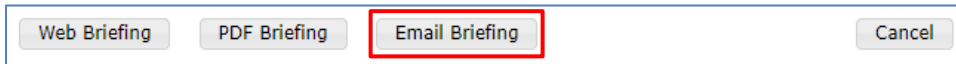
The Web Briefing button generates an HTML briefing in a new browser window.



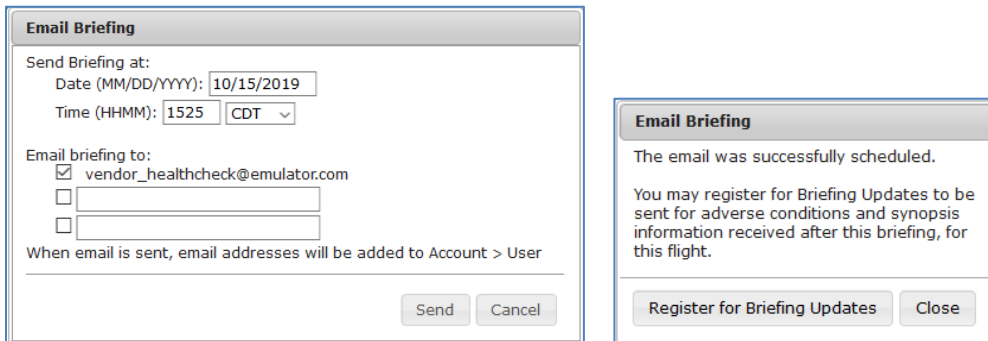
Web Briefing   PDF Briefing   Email Briefing   Cancel

The PDF Briefing button generates a PDF-based briefing in a new browser window or within a device's default PDF viewing software.

A PDF copy of each requested briefing, regardless of the type requested, will be accessible in account holders' Pilot History for 45 days.



The Email Briefing button schedules a briefing to be emailed to the provided email address. Clicking the button will popup a dialog that accepts a date and time for specifying when to send the briefing. Email addresses can be entered, in addition to the default email address, as recipients of the scheduled briefing. Upon successfully scheduling a briefing, a subsequent popup containing a Register for Updates button is presented. This button enables registration for briefing updates if the scheduled briefing is less than 48 hours from the current time.



Emailed briefings will be displayed as a PDF attachment to the email for NextGen briefings.

## 9.3. NextGen Briefing

**Table of Contents**

- Overview
- Flight Plan Summary ✓
- Briefing Customization ✓
- Evaluate Departure Time Details ✓
- Adverse Conditions
- Temporary Flight Restrictions ✓
- Closed/Unsafe NOTAMS
- Convective SIGMETs
- SIGMETs
- AIRMETs
- Urgent PIREPs & AIREPs
- Center Weather Advisories
- Severe Weather
- Volcanic Ash Advisories
- Synopsis and Current Weather
- Synopsis/Surface Analysis
- METARS
- PIREPs & AIREPs
- Forecasts
- Cloud Coverage
- Visibility, Surface Winds & Precipitation
- Terminal Aerodrome Forecasts
- Winds Aloft
- Area Forecast
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- Notices to Airmen
- Departure NOTAMS
- Destination NOTAMS
- En Route NOTAMS
- Gen FDC NOTAMS
- International NOTAMS
- Uncategorized NOTAMS
- Other
- Flow Control
- UAS Operating Area (UOA)
- NHC Bulletins

**Standard Briefing: KPDV to KMEM**

**leidos** Flight Service

Certified Flight Service Briefing, ID: AA1NEE Briefing Time: Sep 23, 09:12 EDT / 13:12 UTC

**Overview**

**Flight Plan Summary**

Flight Rules: VFR  
Aircraft ID / Type: DEMO1 / C172  
Cruising Speed / Level: 220 knots / 15000 feet  
Departure Date & Time: 09/23/2020 0929 EDT  
Departure: KPDV  
Route: PUT BAF-Q406 BWZ BWG  
Destination: KMEM

**Briefing Customization**

Briefing Type: Standard / Route  
Time Estimates Based On: Forecast Winds and Default Aircraft Performance  
Route / Winds Aloft Corridor: 50 nm / 100 nm  
Include Graphics: Yes Include NextGen Content: Yes Include Plain Text  
Translations: Yes

**Briefing Content Filters:**  
For briefings > FL180 only include Dep & Dest METARS & TAFs

**Evaluate Departure Time Details**

KPDV → KMEM

TAFs

TFRs

Closed/Unsafe Airport/Runway

Convective SIGMET (None along the route of flight)

SIGMETs (None along the route of flight)

AIRMET SIERRA

AIRMET ZULU (Including Outlook)

AIRMET TANGO

Center Weather Advisories (None along the route of flight)

Severe Weather (None along the route of flight)

TAF Conditions: VFR M/VR IFR LIFR UNKNOWN

Adverse Conditions: Active During Intersection Active Within 60 Minutes Active Outside 60 Minutes

Results are not tailored to your aircraft's performance. Enter your aircraft's information at [Account > Aircraft](#)

**Adverse Conditions**

**Temporary Flight Restrictions**

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The NextGen Web briefing window provides users with weather and other data pertinent to the route of flight in a simple, scrollable format.

NextGen briefings can be viewed in either web HTML or PDF format. Regardless of the format requested, a dialog will popup upon the request showing the progress of the briefing preparation.

**Briefing Status**

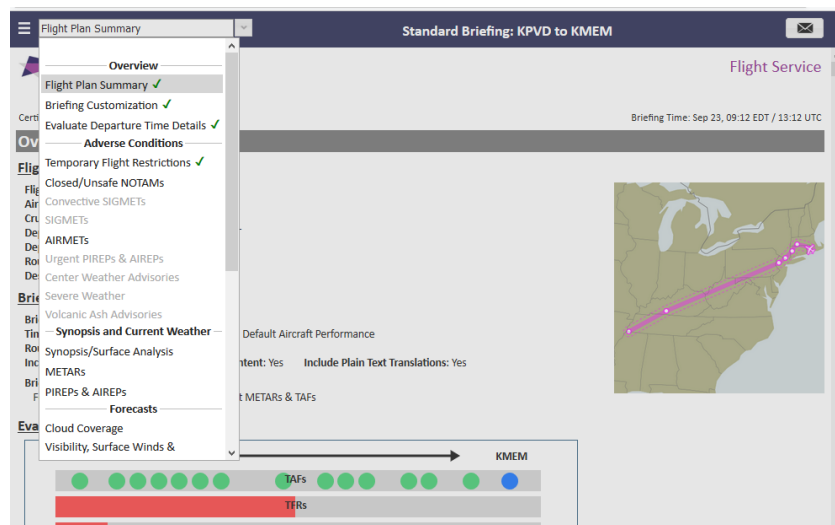
Your briefing is being prepared:

A PDF version of this briefing will be available to view or download from your Pilot History for up to 45 days.

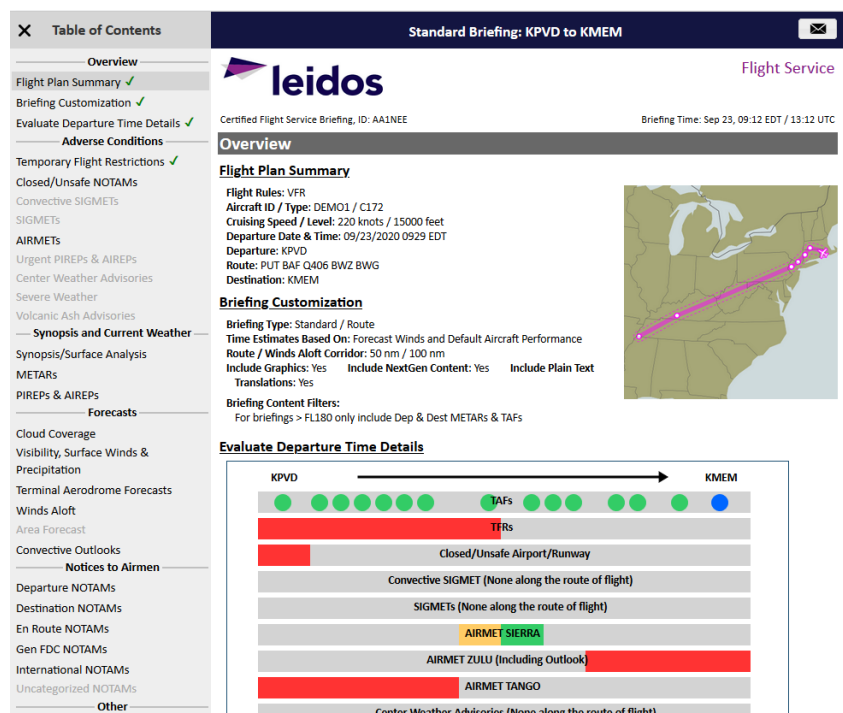
### a. NextGen Web Briefing Menu

When a Web Briefing is selected, the NextGen briefing window supports two sets of navigation controls: a dropdown selection menu and a popout navigation menu on the left side of the window. The NextGen briefing window appears with navigation menu open.

Both menus will mark sections as viewed with a green checkmark when the section has been clicked into view from the menu list or scrolled into view as the user passes through each section.



\*Dropdown navigation menu




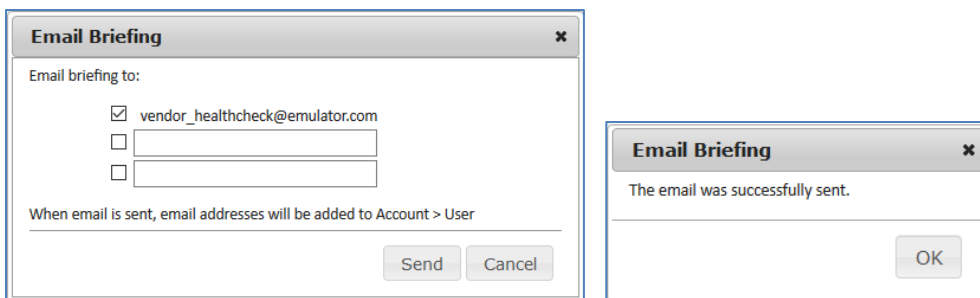
\*Popout side navigation menu, accessed via  icon

## b. Email Briefing

The NextGen Web Briefing window has an email icon button to allow the user to email the current briefing as a PDF attachment.



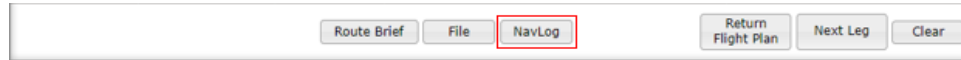
When the  button is clicked, a popup dialog will display for the user to select an existing email address or add a new email address to receive the briefing. Clicking the Send button with a valid email address entered will submit the email briefing request and display a subsequent dialog.



## 9.4. Navigation Log

Navigation Log is used by the pilot as a tool for flight planning, for example to compute estimated time enroute for the flight plan or to compute fuel consumption.

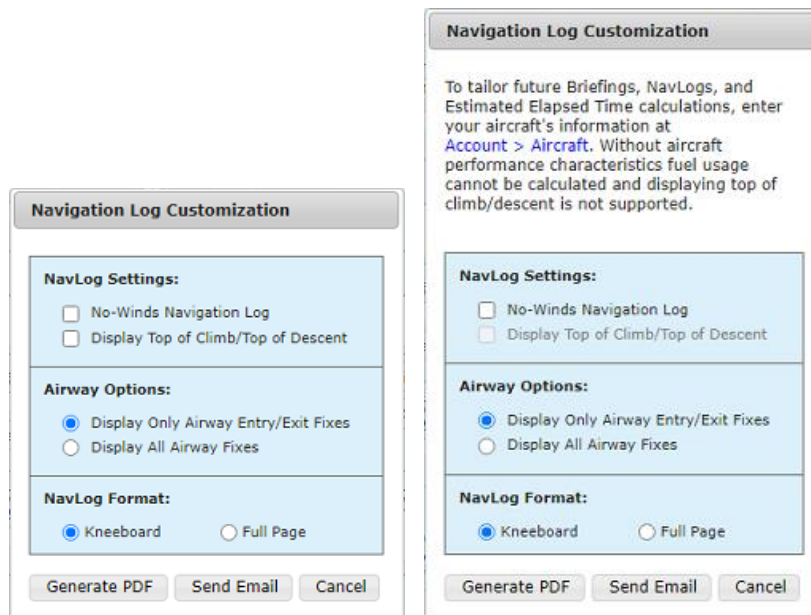
The NavLog button is available on the Flight Plan form.



When the NavLog button is clicked, the Navigation Log Customization dialog is displayed with the various options to format the requested navigation log.

### a. Navigation Log Customization Dialog

The Navigation Log Customization dialog provides the capability to customize the requested navigation log. If the aircraft being used for this navigation log request does not contain aircraft performance data (Account>Aircraft), then the navigation log will not be able to calculate fuel consumption nor determine the top of climb and top of descent locations.



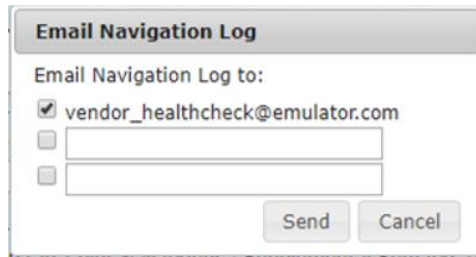
#### i. Generate PDF

If the user clicks on the Generate PDF button, the system requests a Navigation Log.

If the Navigation Log request is successful, the system will display the Navigation Log Results page in a new browser window; otherwise, the system displays an error message.

#### ii. Send Email

If the user clicks on the Send Email button, the Email Navigation Log dialog is displayed. This dialog allows entry of email addresses to which the Navlog will be sent. Pressing the Send button generates the NavLog and emails it.



iii. Cancel

If the user clicks the Cancel button, the system closes the Navigation Log Customization dialog and no navigation log is generated.

iv. No-Winds Navigation Log

If the user checks the No Winds checkbox, the navigation log results will contain information that is calculated without using winds aloft data.

The checkbox is not checked by default.

v. Display Top of Climb/Top of Descent

If the user checks the Display Top of Climb/Top of Descent checkbox, the navigation log results will display the rows at which the aircraft reaches the top of climb and top of descent. Aircraft performance data needs to be set in order to show these rows. If the aircraft does not have performance data, this checkbox will be disabled.

The checkbox is not checked by default.

vi. Display Only Airway Entry/Exit Fixes or Display All Airway Fixes

The user can choose to see all airway fixes along the route, or only those entered in the route of flight field along with the entry and exit points to airways. Airways could be one of the following; airways, radials, military training routes (MTRs), departure procedures (SIDs), and standard arrival procedures (STARs).

vii. Navlog Format

a) Kneeboard

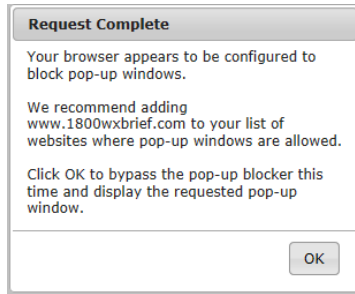
Selecting “Kneeboard” format results in a two-column landscape oriented navigation log intended to be printed for use on a kneeboard.

b) Full page

Selecting “Full page” format results in a single-column portrait oriented navigation log.

**b. Popups Disabled**

If your browser is configured to block popups and [www.1800wxbrief.com](http://www.1800wxbrief.com) is not on your list of websites with popups allowed, you will see the “Request Complete” dialog below. Clicking on “OK” will allow the popup to appear. To allow this popup to appear without the “Request Complete” dialog, add [www.1800wxbrief.com](http://www.1800wxbrief.com) to your list of websites where popups are allowed.



### c. Navigation Log Results Page

The Navigation Log Results are compiled using aircraft performance data (Account > Aircraft), navigation data (Route of flight) and weather data (winds and temperature aloft, forecast or actual).

If the aircraft does not have performance data, then a navigation log results page is generated without fuel consumption.

#### i. Navigation Log with Aircraft Performance Data (Full Page format)

With aircraft performance data, fuel burn is calculated. Here is an example in full page format:

NavLog generated 09/12 14:46Z for ACP01				www.1800wxbrief.com				
ATIS: AWOS/ASOS: None within 10nm UNICOM: 122.950 CTAF: 132.400 Clearance Del: Ground: Tower: Departure: FSS: EMI 117.90 122.1R				Cleared to: Depart:  Altitude: Dep Freq/Squawk: /				
KFDK CONLE4 SCOOB TAPPA V286 AANTS V39 MRB V501 HGR VINSE DEMMES KPIT								
ATD	ETE	ETA	Total Distance		Fuel Required		Fuel Available	
	04:20		447 nm		17.9 gal			
Fix		Morse Code Freq	Wind Temp	MH MC	Log Rem (nm)	ETE ATE	Alt (ft) GS (kt)	Log Fuel Total (gal)
KFDK > CONLE4 39°25.0' / -77°22.5'			253/008 016	142 141	130 317	00:54	10000 143	5.0+2.7 7.7
CONLE4 > SCOOB 37°35.5' / -76°37.8'			264/019 005	336 347	25 292	00:16	10000 92	0.8 8.5
TAPPA > V286 37°58.2' / -76°50.7'			259/019 005	313 324	92 200	01:04	10000 87	3.2 11.7
V286 > AANTS > V39 38°43.1' / -78°27.8'			257/016 004	041 046	49 151	00:26	10000 111	1.3 13.0
V39 > MRB > V501 39°23.1' / -77°50.9'	-- -- -- 112.1		255/015 004	002 010	19 132	00:11	10000 103	0.5 13.5
V501 > HGR 39°41.9' / -77°51.3'	.... -- -- -- 109.8		248/016 004	346 355	17 115	00:10	10000 101	0.5 14.0
VINSE > DEMMES 39°58.3' / -77°57.4'			247/019 004	276 282	115 0	01:19	1200 88	3.9 17.9
DEMMES > KPIT 40°29.5' / -80°14.0'			222/008 023	Dep				
ATIS: AWOS/ASOS: None within 10nm Approach: UNICOM: 122.950 CTAF: None Tower: Ground: FSS: AGC 122.2				Dest				
Notes								



**Departure Airport Communications****KFDK - FREDERICK MUNI**

ATIS 124.875  
FREDERICK TOWER 132.4  
CTAF 132.400  
FREDERICK GROUND 121.975  
CLEARANCE DELIVERY 121.975  
UNICOM 122.950  
POTOMAC TRACON APCH/P 126.1  
DEP/P 338.25  
POTOMAC TRACON CD/P 126.9 ;WHEN TWR CLSD  
POTOMAC TRACON CONLE DP 126.1  
338.25  
POTOMAC TRACON TERPZ DP 126.1  
338.25  
POTOMAC TRACON TRSTN 126.75  
STAR 307.2

**Remark:** POTOMAC CD 126.9 OR 866-709-4993 (WHEN TWR CLSD).

**Flight Service Station Communications****RADIO LEESBURG**

WESTMINSTER (EMI) VORTAC 117.90 122.1R  
WASHINGTON (DCA) RCO 122.2  
BROOKE (BRV) VORTAC 114.50 122.1R  
PATUXENT (PXT) RCO 122.5  
MARTINSBURG (MRB) RCO 122.2

**RADIO ALTOONA**

ALTOONA (AOO) RCO 122.2  
ALLEGHENY (AGC) RCO 122.2  
ELLWOOD CITY (EWC) VOR/DME 115.80 122.1R

**Destination Airport Communications**

KPIT - PITTSBURGH INTERNATIONAL

D-ATIS 127.25 ;ARR  
135.9 ;DEPPITTSBURGH TOWER 128.3  
291.7PITTSBURGH GROUND 121.9 ;SOUTH  
127.8 ;NORTH  
348.6

CLEARANCE DELIVERY 353.7

UNICOM 122.950

EMERG 121.5  
243.0

ANG OPS 311.0

APCH/P 121.25 ;271-360  
124.15 ;001-090  
133.7 ;181-270  
279.625 ;270-089  
360.8 ;090-269

APCH/P DEP/P 336.2

APCH/P IC 123.95 ;091-180

CD PRE TAXI CLNC 126.75

CLASS B 121.25 ;271-360  
123.95 ;091-180  
124.15 ;001-090  
133.7 ;181-270  
279.625 ;270-089  
360.8 ;090-269

COMD POST 252.1

DEP/P 119.35 ;SOUTH  
124.75 ;NORTH  
285.575 ;090-269  
338.2 ;NORTH

DEP/S 125.275

OPS 36.35FM

**Remark:** CALL IRON CITY COMMAND POST PRIOR TO ENTRY SOUTH RAMP.

## ii. Navigation Log without Aircraft Performance Data (Kneeboard format)

The Fuel Burn will not be calculated if the navigation log is generated without performance data. Here is an example in kneeboard format:

NavLog generated 09/12 14:56Z for ACP02

www.1800wxbrief.com

ATIS:

AWOS/ASOS: None within 10nm

UNICOM: 122.950

CTAF: 132.400

Clearance Del:

Ground:

Tower:

Departure:

FSS: EMI 117.90 122.1R

Cleared to:

Depart:

Altitude:

Dep Frq/Squawk: /

KFDK CONLE4 SCOOB TAPPA V286 AANTS V39 MRB V501 HGR VINSE DEMME5 KPIT

ATD	ETE	ETA	Total Distance	Fuel Required	Fuel Available
	04:30		447 nm		

Fix	Morse Code Freq	Wind Temp	MH MC	Leg Rem (nm)	ETE ATE	Alt (ft) GS (kt)	Leg Fuel Total
KFDK > CONLE4 39°25.0' / -77°22.5'		246/007020	144	130	01:11	10000	
CONLE4 > SCOOB 37°35.5' / -76°37.8'		261/019005	141	317		110	
TAPPA > V286 37°58.2' / -76°50.7'		259/019005	336	25	00:16	10000	
V286 > AANTS > V39 38°43.1' / -78°27.8'		257/016004	347	292		93	
V39 > MRB > V501 39°23.1' / -77°50.9'	-- -- -- -- 112.1	248/015004	313	92	01:04	10000	
V501 > HGR 39°41.9' / -77°51.3'	.... -- -- -- 109.8	246/016004	324	200		86	
			041	49	00:26	10000	
			046	151		112	
			002	19	00:11	10000	
			010	132		104	
			346	17	00:10	10000	
			355	115		101	

Notes

Fix

VINSE > DEMME5  
39°58.3' / -77°57.4'

DEMME5 > KPIT  
40°29.5' / -80°14.0'

ATIS:

AWOS/ASOS: None within 10nm

Approach:

UNICOM: 122.950

CTAF: None

Tower:

Ground:

FSS: AGC 122.2

Morse Code Freq

247/019004

222/008023

Dep

Dest

Wind Temp

276/282

MH MC

1150

Leg Rem (nm)

01:12

ETE ATE

1000096

Alt (ft) GS (kt)

Leg Fuel Total

Departure Airport Communications

KFDK - FREDERICK MUNI

ATIS 124.875

FREDERICK 132.4

TOWER

CTAF 132.400

FREDERICK 121.975

GROUND

CLEARANCE 121.975

DELIVERY

UNICOM 122.950

POTOMAC TRACON 126.1

APCH/P DEP/P 338.25

POTOMAC TRACON 126.9 ;WHEN TWR CLSD

CD/P

POTOMAC TRACON 126.1

CONLE DP 338.25

POTOMAC TRACON 126.1

TERPZ DP 338.25

POTOMAC TRACON 126.75

TRSTN STAR 307.2

Remark: POTOMAC CD 126.9 OR 866-709-4993 (WHEN TWR CLSD).

**Flight Service Station Communications****RADIO LEESBURG**

WESTMINSTER (EMI) VORTAC 117.90 122.1R  
 WASHINGTON (DCA) RCO 122.2  
 BROOKE (BRV) VORTAC 114.50 122.1R  
 PATUXENT (PXT) RCO 122.5  
 MARTINSBURG (MRB) RCO 122.2

**RADIO ALTOONA**

ALTOONA (AOO) RCO 122.2  
 ALLEGHENY (AGC) RCO 122.2  
 ELLWOOD CITY (EWC) VOR/DME 115.80 122.1R

**Destination Airport Communications****KPIT - PITTSBURGH INTERNATIONAL**

D-ATIS 127.25 ;ARR  
 135.9 ;DEP

PITTSBURGH 128.3  
 TOWER 291.7

PITTSBURGH 121.9 ;SOUTH  
 GROUND 127.8 ;NORTH  
 348.6

CLEARANCE 353.7  
 DELIVERY

UNICOM 122.950

EMERG 121.5  
 243.0

ANG OPS 311.0

APCH/P 121.25 ;271-360  
 124.15 ;001-090  
 133.7 ;181-270  
 279.625 ;270-089  
 360.8 ;090-269

APCH/P DEP/P 336.2

APCH/P IC 123.95 ;091-180

CD PRE TAXI CLNC 126.75

CLASS B 121.25 ;271-360  
 123.95 ;091-180  
 124.15 ;001-090  
 133.7 ;181-270  
 279.625 ;270-089  
 360.8 ;090-269

COMD POST 252.1

DEP/P 119.35 ;SOUTH  
 124.75 ;NORTH  
 285.575 ;090-269  
 338.2 ;NORTH

DEP/S 125.275

OPS 36.35FM

**Remark:** CALL IRON CITY COMMAND POST PRIOR TO ENTRY SOUTH RAMP.

## iii. Navigation Log Results Page Description

The section describes the various sections of the Navigation Log Results Page.

Navigation Log Results Page Description			
Field	Description	Format	Conditional Appearance
Departure Information – Contains a series of labels which are used by the pilot to write in frequencies and other departure information.			
ATIS	<i>For Pilot's note</i>		
AWOS/ASOS	The closest automated weather observation station within 10 nautical miles of the departure point with associated frequencies.		

Navigation Log Results Page Description			
Field	Description	Format	Conditional Appearance
UNICOM	List of any universal communication frequencies associated with the departure facility.		
CTAF	List of any common traffic advisory frequencies associated with the departure facility.		
Clearance Del	For Pilot's note		
Ground	For Pilot's note		
Tower	For Pilot's note		
Departure	For Pilot's note		
FSS	The closest flight service station within 25 nautical miles of the departure point with associated frequencies.		
Cleared To	For Pilot's note		
Depart	For Pilot's note		
Altitude	For Pilot's note		
Dep Frk/Squawk	For Pilot's note		
Summary – Displays a summary of the planned flight			
Route	Flight Plan Departure, Route of Flight, and Destination fields	Per Flight Plan page	N/A
ATD	Actual Time of Departure	For Pilot's note	N/A
ETE	Estimated Time Enroute is the total flight time	HH:MM	N/A
ETA	Estimated Time of Arrival	For Pilot's note	N/A
Total Distance	Total flight distance	NNNNN, nautical miles	N/A
Fuel Required	Total fuel used for this flight	In fuel units specified in the aircraft performance data	Displayed if aircraft profile has performance data
Fuel Available	Available fuel	N/A	N/A (For Pilot's note)
Navigation Information – Contains the following information:			
Fix	Contains the fixes, listed vertically, in the order shown in the Route field from the Flight Plan page. Fixes can be: <ul style="list-style-type: none"><li>• Airports</li><li>• Waypoints</li><li>• Lat/Long</li><li>• Fix/Radial/Distance (FRD)</li><li>• Intersections</li><li>• Navigational Aids</li></ul> Enroute airways are displayed as part of the Fix if the requested route is entering or exiting an airway at the fix. An airway can be an: <ul style="list-style-type: none"><li>• Airway</li><li>• Departure Procedure (DP)</li><li>• Standard Arrival Procedure (STAR)</li><li>• Radial</li><li>• Military Training Route</li></ul>	Listed below for each fix type.  Airway format: <ul style="list-style-type: none"><li>• For entry to an airway, the display is <i>fix_name</i> &gt; <i>airway_name</i>. For example: HAILE &gt; V66</li><li>• For exit from an airway, the display is <i>airway_name</i> &gt; <i>fix_name</i>. For example: V460 &gt; JLI</li><li>• For exit and entry at the same fix, the display is <i>airway_name</i> &gt; <i>fix_name</i> &gt; <i>airway_name</i>. For example: V66 &gt; CANNO &gt; V460</li></ul>	Airway names appear only if the route is entering or exiting an airway at the fix.
Fix (Airport)	Airport identifier	<ul style="list-style-type: none"><li>• 3 or 4 alphanumeric Airport ID</li><li>• lat/long in format degrees and minutes in tenths digit</li></ul>	N/A
Fix (NavAid)	NavAid identifier	<ul style="list-style-type: none"><li>• 2 to 3 letter NavAid followed by hyphen and first 10 characters of NavAid short name ( when available )</li><li>• lat/long in format degrees and minutes in tenths digit</li><li>• Morse code identifier</li><li>• Frequency included</li></ul>	Appears under any of these conditions: <ul style="list-style-type: none"><li>• it is either the entry or exit from an airway</li><li>• “Display All Airway Fixes” option was selected</li><li>• user entered it into the Route field</li></ul>

Navigation Log Results Page Description			
Field	Description	Format	Conditional Appearance
Fix (Waypoint)	Waypoint identifier	<ul style="list-style-type: none"> <li>The identifier of the fix from which the waypoint is referenced</li> <li>lat/long in format degrees and minutes in tenths digit</li> </ul>	Appears under any of these conditions: <ul style="list-style-type: none"> <li>it is either the entry or exit from an airway</li> <li>"Display All Airway Fixes" option was selected</li> <li>user entered it into the Route field</li> </ul>
Fix (Top of Climb or Top of Descent)	Labels for Top of Climb or Top of Descent. They can be combined if they are the same.	"Top of Climb" or "Top of Descent" Or "Top of Climb/Top of Descent"	Only appears under all three of these conditions: <ul style="list-style-type: none"> <li>Top of Climb/Top of Descent Checkbox selected.</li> <li>Aircraft profile has performance data</li> <li>They exist</li> </ul>
Lat/Long	Latitude followed by a slash and longitude	<ul style="list-style-type: none"> <li>lat/long in format degrees and minutes in tenths digit</li> </ul>	N/A
Morse Code	Morse Code for Fix( if available)	<ul style="list-style-type: none"> <li>20 characters</li> </ul>	N/A
Freq	Closest radio frequency(TACAN, VOR, VORTAC, DME, NDB )	<ul style="list-style-type: none"> <li>Frequency in MHz</li> </ul>	N/A
Wind (Deg/kt )	The display for leg wind is compass degrees/speed.	<ul style="list-style-type: none"> <li>Degrees – NNN, values from 001-360</li> <li>Wind speed – NNN, values 000-999</li> </ul>	Zero when NavLog generated without wind data.
Temp	Outside air temperature (OAT) for a particular leg at the corresponding Altitude	<ul style="list-style-type: none"> <li>NNN in degrees Celsius; below zero degrees C have a minus (-) sign</li> </ul>	Zero when NavLog generated without wind data.
Magnetic Heading (MH) / Magnetic Course(MC)	These values are derived from the direction of the aircraft's route of flight, based on each leg. Magnetic course is the aircraft's true north course corrected for magnetic north variation (and provides the aircraft's ground track). Magnetic heading is the Magnetic Course corrected for wind (the direction the aircraft is pointed) (using current or actual winds aloft for the corresponding Altitude). If there is a direct headwind or tailwind, then these values are the same.	<ul style="list-style-type: none"> <li>NNN degrees, values from 001-360</li> </ul>	N/A
Leg	Leg distance in nautical miles. A Leg is the route an aircraft travels from one fix to another.	<ul style="list-style-type: none"> <li>NNNNN nm</li> <li>values from 1 to 99999</li> </ul>	N/A
Rem (Remaining distance)	Total distance remaining in nautical miles.	<ul style="list-style-type: none"> <li>NNNNN nm</li> <li>values from 1 to 99999</li> </ul>	N/A
Route	The Route consists of either a victor airway or jet airway as shown in the Navigation Log Request page Route field.	<ul style="list-style-type: none"> <li>Alphanumeric string.</li> <li>When no airway is shown in the route of flight field, then the word "Direct" is used instead of an airway</li> </ul>	N/A
ETE	Estimated Time Enroute for the leg	HH:MM	N/A
ATE	Actual Time Enroute for the leg	(For Pilot's note)	N/A
Alt (m/ft)	An approximate altitude is calculated if passing a fix while climbing or descending.	Alt (ft):	Approximate altitude can only be calculated when aircraft

Navigation Log Results Page Description			
Field	Description	Format	Conditional Appearance
		<ul style="list-style-type: none"> <li>For altitudes up to 17,999 feet, in format NNNNN.</li> <li>Altitudes at and above 18,000 feet expressed as flight levels, in format FLNNN</li> </ul> Alt (m): <ul style="list-style-type: none"> <li>For altitudes up to 30,480 meters, in format NNNNN.</li> </ul>	performance information is provided.
GS	Estimated ground speed is the aircraft airspeed plus or minus the effects of wind (current or actual winds aloft for the corresponding Altitude). Groundspeed can change as leg direction and/or winds aloft direction/speed change.	Airspeed format is the same as that in the aircraft profile performance section.	N/A
Leg Fuel	Fuel consumption for the given leg.	<ul style="list-style-type: none"> <li>Up to six numeric characters with one decimal (NNNNNN.N)</li> <li>Append unit in column header from aircraft profile:               <ul style="list-style-type: none"> <li>Gallons/hr → "(gal)"</li> <li>Liters/hr → "(L)"</li> <li>Pounds/hr → "(lb)"</li> <li>Kilograms/hr → "(kg)"</li> </ul> </li> </ul> For the first leg the Startup/Taxi Fuel Burn from the Aircraft Profile Performance Characteristics will be included. It is displayed as <Startup//Taxi Fuel Burn> "+" <first leg fuel used>.	Displayed if aircraft profile has performance data
*First leg includes startup/taxi Fuel	Aircraft's performance data has startup and taxi fuel amount and Pilot has asked for fuel consumption calculation	Text comment	Displayed when startup and taxi fuel from aircraft profile is added to the first leg fuel consumption
Total	The total fuel consumed after the completion of the leg.	<ul style="list-style-type: none"> <li>Up to six numeric characters with one decimal (NNNNNN.N)</li> <li>Append unit in column header from aircraft profile:               <ul style="list-style-type: none"> <li>Gallons/hr → "(gal)"</li> <li>Liters/hr → "(L)"</li> <li>Pounds/hr → "(lb)"</li> <li>Kilograms/hr → "(kg)"</li> </ul> </li> </ul> For the first leg, the sum of fuel used and startup/Taxi fuel burn value from Aircraft Profile Performance Characteristics will be displayed.	Displayed if aircraft profile has performance data
Destination Information – Contains a series of labels which are used by the pilot to write in frequencies and other destination information.			
ATIS	For Pilot's note		

Navigation Log Results Page Description			
Field	Description	Format	Conditional Appearance
AWOS/ASOS	The closest automated weather observation station within 10 nautical miles of the destination point with associated frequencies.		
Approach	For Pilot's note		
UNICOM	List of any universal communication frequencies associated with the destination landing facility.		
CTAF	List of any common traffic advisory frequencies associated with the destination landing facility.		
Tower	For Pilot's note		
Ground	For Pilot's note		
FSS	The closest flight service station within 25 nautical miles of the destination point with associated frequencies.		
Dep	For Pilot's note		
Dest	For Pilot's note		
Notes – blank area for use by the pilot for writing any pertinent notes during the flight.			
Notes	Area provided for pilot to take notes	For Pilot's note	N/A
Departure, Destination, and Flight Service Station Airport Communications Information – one page each for the departure, destination, and fss airports' communication information.			
Departure Airport Communication Information	Departure airport's communication information.	Similar in format to the information presented in the <b>Airport Communications</b> section.	Only appears if departure airport has communication information, otherwise "No communication information available" is displayed.
Flight Service Station Communications Information	Flight Service Stations (FSS) within 25nm on either side of the route of flight. Multiple stations are possible en route.	A list of Sector Call Names along the route (e.g. Radio Fort Dodge), and a list of FSS Communications associated with each Sector Call Name. Each FSS Communication will have a Station Name, a 3 or 4 alphanumeric station ID (e.g. ABQ), a 3 to 10 character station type (e.g. RCO, RCO1, NAVAID, VOR VORTAC, VOR-DME), and the frequency with up to 3 decimal places (e.g. 133.325), where the last place could contain a letter (e.g. 122.05R).. Multiple stations are listed on separate lines.	If no station is found within 25nm of route then 'No communication information available' is displayed. Departure and Destination FSS entries will also be included in this list.
Destination Airport Communication Information	Departure airport's communication information.	Similar in format to the information presented in the <b>Airport Communications</b> section.	Only appears if destination airport has communication information, otherwise "No communication information available" is displayed.

#### d. Navigation Log Restrictions

The table below lists the conditions in which a Navigation Log cannot be generated.

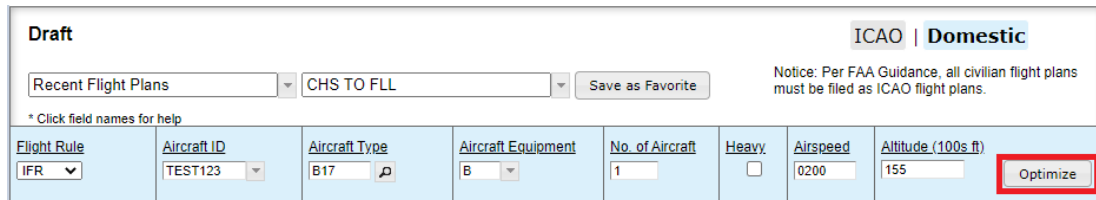
Navigation Log Restrictions	
Domestic Altitude	Navigation Log cannot be generated for Domestic Altitudes of: <ul style="list-style-type: none"> <li>VFR</li> <li>OTP</li> </ul>
ICAO Cruising Level	Navigation Log cannot be generated if the Cruising Level is in: <ul style="list-style-type: none"> <li>VFR</li> </ul>



## 9.5. Altitude Optimization

Altitude Optimization helps the pilot decide at which altitude to fly the route by estimating fuel usage and ETE for up to five different altitudes. It will estimate the ETE and fuel for 2,000 and 4,000 ft above a target altitude entered as well as 2,000 and 4,000 ft below it. It can check altitudes from 2,500 ft to 17,900 ft if flying VFR, MVFR, or ZFR and 2,000 ft up to 60,000 ft if flying IFR, MIFR, or YFR.

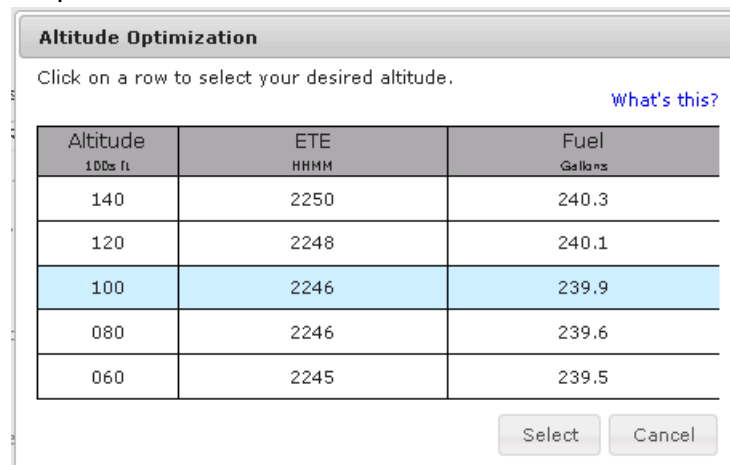
The  button is available on the Flight Plan form.



The image shows a 'Draft' flight plan form. At the top right, there are tabs for 'ICAO' and 'Domestic'. Below the tabs, there are dropdown menus for 'Recent Flight Plans' (set to 'CHS TO FLL') and a 'Save as Favorite' button. A notice states: 'Notice: Per FAA Guidance, all civilian flight plans must be filed as ICAO flight plans.' Below this, there is a table of flight plan fields. The 'Altitude (100s ft)' field is set to '155'. The 'Optimize' button is highlighted with a red rectangle.

Flight Rule	Aircraft ID	Aircraft Type	Aircraft Equipment	No. of Aircraft	Heavy	Airspeed	Altitude (100s ft)
IFR	TEST123	B17	B	1	<input type="checkbox"/>	0200	155

When the Optimize button is clicked, the Altitude Optimization dialog box is displayed with up to five different altitude options and corresponding ETE and fuel usage estimates for the pilot to select.



The 'Altitude Optimization' dialog box is shown. It has a title bar and a subtitle 'Click on a row to select your desired altitude.' with a 'What's this?' link. Below is a table with three columns: 'Altitude (100s ft)', 'ETE (HHMM)', and 'Fuel (Gallons)'. The table contains five rows of data. The row with altitude 100 is highlighted in blue. At the bottom right, there are 'Select' and 'Cancel' buttons.

Altitude 100s ft	ETE HHMM	Fuel Gallons
140	2250	240.3
120	2248	240.1
100	2246	239.9
080	2246	239.6
060	2245	239.5

Once the Altitude Optimization dialog is displayed the pilot may:

i. Double-click a row

If the user double-clicks on a row,

- The system closes the *Altitude Optimization* Dialog.
- The system populates the Altitude or Level field with the value selected by the user.

ii. Use the "Select" button

If the user clicks on a row, then clicks the Select button,

- The system closes the *Altitude Optimization* Dialog.
- The system populates the Altitude or Level field with the value selected by the user.

iii. Use the "Cancel" button

If the user clicks on the **Cancel** button, the system closes the *Altitude Optimization* Dialog and the original altitude entered by the user remains populated in the field.

Aircraft performance characteristics are required in order to calculate fuel usage. The following message, “\* Results are not tailored to your aircraft’s performance. Enter your aircraft’s information at Account > Aircraft,” will be displayed if performance characteristics for a given aircraft are not present.

**Altitude Optimization**

Click on a row to select your desired altitude. [What's this?](#)

Altitude 100s ft	ETE HHMM	Fuel
140	0805	*
120	0814	*
100	0829	*
080	0824	*
060	0829	*

\* Results are not tailored to your aircraft's performance. Enter your aircraft's information at [Account > Aircraft](#).

Select Cancel

Depending on the flight rule and its associated altitude boundary conditions, if the user enters an altitude near the threshold, blank rows will be displayed if the 2,000 or 4,000 ft below or above altitudes are outside the acceptable range.

**Altitude Optimization**

Click on a row to select your desired altitude. [What's this?](#)

Altitude 100s ft	ETE HHMM	Fuel Gallons
065	2245	239.6
045	2244	239.4
025	2243	239.1

Select Cancel

Altitude Optimization

Click on a row to select your desired altitude.

What's this?

Altitude 100s ft.	ETE HHMM	Fuel Gallons
600	2313	244.3
580	2312	244.1
560	2312	244.0

Select

Cancel

There are some cases in which altitude optimization cannot figure out a solution. The following screenshot shows the message that will be displayed.

Altitude Optimization

Click on a row to select your desired altitude.

What's this?

Altitude 100s ft.	ETE HHMM	Fuel Gallons
140	Results could not be calculated for this altitude. Please verify your aircraft performance data.	
120	Results could not be calculated for this altitude. Please verify your aircraft performance data.	
100	Results could not be calculated for this altitude. Please verify your aircraft performance data.	
080	Results could not be calculated for this altitude. Please verify your aircraft performance data.	
060	Results could not be calculated for this altitude. Please verify your aircraft performance data.	

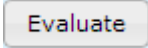
Select

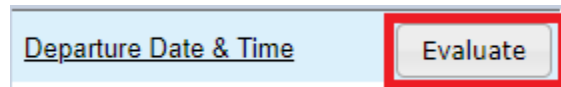
Cancel

This generally happens when the climb or descent rates were entered incorrectly, which can be verified on the Account Profile page in the Aircraft section. The user may still select any of the altitudes as they wish.

## 9.6. Departure Time Evaluation

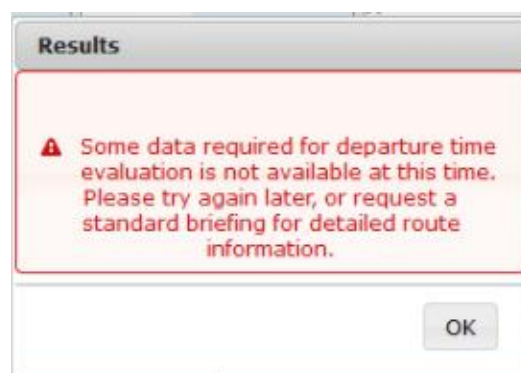
Evaluate Departure Time helps the pilot decide the best time to depart by presenting a summarization of TAF and adverse conditions along the planned route of flight over a range of departure times. The system divides the route of flight into 20 segments and presents a summary of the TAF conditions for each segment based on the proposed departure time. The system will also present TAF and adverse condition summaries for the previous six hours and the following six hours.

The  button is available on the Flight Plan form.



When the Evaluate button is clicked, the Evaluate Departure Time dialog is displayed showing the forecasted TAF and adverse conditions along the route of flight for 13 different departure times. Each column presents the worst case TAF condition in that time segment. The ordering of the TAF conditions from best to worst is: VFR, MVFR, IFR, LIFR, UNKN.

When any adverse condition data (note: missing TAF data is not included in this evaluation ) is known to be missing, the Evaluate button on the FP&B will not open the Evaluate Departure Time Tool. Instead a pop-up will open with the following error statement:



The image below shows the TAF summaries for a route of flight from KDFW to KHOU with a proposed departure time of 2300. Summaries are provided for the six previous hours and the following six hours. Each row is divided into 20 segments and if there are TAF reports in the appropriate segment, the summarized condition is indicated with an icon. If there are no TAF reports for the segment, a blank image is displayed to indicate no TAF reports. When an adverse condition exists for the segment, the background of the segment is shaded.

Evaluate Departure Time

Departure Time (EST)

Each row summarizes the TAF and forecasted adverse conditions along the route of flight based on the proposed departure time, airspeed, and wind information. The system divides the route of flight into 20 equal segments and presents a *summary* of the conditions for each segment. The *summary* shows the worst flight condition for each segment. This is not a substitute for a full briefing.

	KDFW			KHOU
2000	V V V V V V V V V V V V V V V V V V V V		V	V V V I
2100	V V V V V V V V V V V V V V V V V V V V		V	V V V L
2200	V V V V V V V V V V V V V V V V V V V V		V	V V V L
2300	V V V V V V V V V V V V V V V V V V V V		V	V V I L
0000	V V V V V V V V V V V V V V V V V V V V		V	V V I L
0100	V V V V V V V V V V V V V V V V V V V V		V	I I L
0200	V V V V V V V V V V V V V V V V V V V V		M	I I L
0300	V V V V V V V V V V V V V V V V V V V V		M	L I L
0400	V V V V V V V V V V V V V V V V V V V V		I	L L L
0500	V V V V V V V V V V V V V V V V V V V V		I	L L L
0600	V V V V V V V V V V V V V V V V V V V V		I	L L L
0700	V V V V V V V V V V V V V V V V V V V V		L	L L L
0800	V V V V V V V V V V V V V V V V V V V V		L	L I L

\* Results are not tailored to your aircraft's performance. Enter your aircraft's information at [Account > Aircraft](#).

TAF Conditions:

V VFR

M MVFR

I IFR

L LIFR

U UNKN

Adverse Conditions (where forecast is available, filtered by altitude)

[What's this?](#)

Detail

Select

Cancel

- Once the Evaluate Departure Time dialog is displayed the pilot may:
- Double-click a row
 

If the user double-clicks on a row,

    - The system closes the Evaluate Departure Time Dialog.
    - The system populates the Departure Date and Time fields with the value selected by the user.
  - Use the “Detail” button
 

If the user clicks on a row, then clicks the Detail button,

    - The system closes the Evaluate Departure Time Dialog.
    - The system opens the [Evaluate Departure Time Details Dialog](#).
  - Use the “Select” button
 

If the user clicks on a row, then clicks the Select button,

    - The system closes the Evaluate Departure Time Dialog.
    - The system populates the Departure Date and Time field with the value selected by the user.
  - Use the “Cancel” button
 

If the user clicks on the Cancel button, the system closes the Evaluate Departure Time and the original departure date and time entered by the user remains populated in the field.

In order to accurately calculate the flight's ETE, the aircraft's performance data is used. The following message, “\* Results are not tailored to your aircraft's performance. Enter your aircraft's information at Account > Aircraft,” will be displayed if performance characteristics for a given aircraft are not present.

0000	M	V		V	V	V	V	V		M	M	M	M
0100	M	V		V	V	V	V	V		M	M	M	M
0200	M	V		V	V	V	V	V		M	M	M	U
0300	M	V		V	V	V	V	V		M	U	U	U

\* Results are not tailored to your aircraft's performance. Enter your aircraft's information at [Account > Aircraft](#).

TAF Conditions: V VFR M MVFR I IFR L LIFR U UNKN

/// Adverse Conditions (where forecast is available, filtered by altitude) [What's this?](#)


By default, the Evaluate Departure Time dialog displays conditions for the departure time entered by the user plus six hours surrounding the departure time. The row indicating the proposed departure time is highlighted in blue and is in the middle. However, if the departure time is less than six hours in the future, additional TAF and adverse conditions are added after the proposed departure time row until all 13 hours rows are populated.

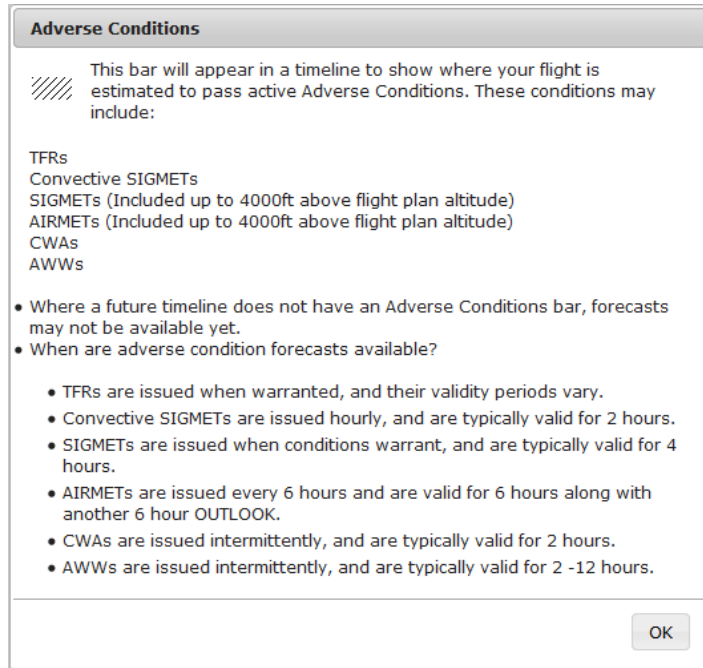
2100	V	V		V	V	V	V	V		M	M	M	M
2200	V	V		V	V	V	V	V		M	M	M	M
2300	V	V		V	V	V	V	V		M	M	M	M
0000	M	V		V	V	V	V	V		M	M	M	M
0100	M	V		V	V	V	V	V		M	M	M	M
0200	M	V		V	V	V	V	V		M	M	M	U
0300	M	V		V	V	V	V	V		M	U	U	U

\* Results are not tailored to your aircraft's performance. Enter your aircraft's information at [Account > Aircraft](#).

TAF Conditions: V VFR M MVFR I IFR L LIFR U UNKN

/// Adverse Conditions (where forecast is available, filtered by altitude) [What's this?](#)

Clicking on the Video icon  will open a help video on Departure Planning Tool. For more information on adverse conditions, click on the “What’s this?” link.



**a. Evaluate Departure Time Details**

This dialog displays rows for each adverse weather condition product. If a condition is not found along the route of the flight, then it will display “(None along the route of flight)”. If there is any Adverse Condition data known to be missing, it will display “(Adverse Condition data unavailable)”.

Evaluate Departure Time Details

PRODUCTS	<p>Each row summarizes the TAF and forecasted adverse conditions along the route of flight based on the proposed departure time, airspeed, and wind information. The system divides the route of flight into 20 equal segments and presents a <i>summary</i> of the conditions for each segment. The <i>summary</i> shows the worst flight condition for each segment. This is not a substitute for a full briefing. <a href="#">What's this?</a></p>									
	<div> <div>KTPA</div> <div>KMIA</div> </div>									
TAFs	<div> <div>V</div> <div>V</div> <div>V</div> <div></div> <div>V</div> <div>V</div> <div>V</div> <div>V</div> <div></div> <div>V</div> <div>V</div> <div>V</div> </div>									
TFRs	<div></div>									
Closed/Unsafe Airport/Runway	(None along the route of flight)									
CONV. SIGMET	(None along the route of flight)									
SIGMETs	(None along the route of flight)									
AIRMET SIERRA (Including Outlook)	<div> <div>IFR</div> <div></div> </div>									
AIRMET ZULU	(None along the route of flight)									
AIRMET TANGO	(None along the route of flight)									
CENTER Wx ADV	(None along the route of flight)									
SEVERE Wx	(None along the route of flight)									

TAF Conditions:

V

 VFR

M

 MVFR

I

 IFR

L

 LIFR

U

 UNKN

Adverse Conditions:

ACTIVE DURING INTERSECTION

ACTIVE WITHIN 60 MINUTES

ACTIVE OUTSIDE 60 MINUTES

\* Results are not tailored to your aircraft's performance. Enter your aircraft's information at [Account > Aircraft](#).

Proposed Departure Time:

2300 EST

Select

Cancel

Once the Evaluate Departure Time Details Dialog is displayed the pilot may:

- i. Use the What's this? text button
  - If the user clicks on What's this?,
    - The system displays the Evaluate Departure Time Details What's this? popup, from which the pilot can exit through the OK button.



Evaluate Departure Time Details

The **Evaluate Departure Time Details** provides an overview of adverse conditions along the route of flight and passing times based on the ETD, airspeed and calculated winds. It is not a substitute for a full briefing but does provide an adverse condition overview of the flight. The details of each condition will be available in the briefing output. The following color legend indicates whether the phenomenon will be active during, within 60 minutes or outside 60 minutes of your crossing.

ACTIVE DURING INTERSECTION

ACTIVE WITHIN 60 MINUTES

ACTIVE OUTSIDE 60 MINUTES

The Evaluate Departure Time Details will locate and display the following conditions for your flight when available:

- TFRs
- Closed/Unsafe Airport/Runway NOTAMs
- Convective SIGMETs
- SIGMETs (Included up to 4000ft above flight plan altitude)
- AIRMETs (Included up to 4000ft above flight plan altitude)
- CWAs
- SAWs

Forecast times vary for each product and may not be available for longer flights.

When are adverse condition forecasts available?

- TFRs are issued when warranted, and their validity periods vary.
- Convective SIGMETs are issued hourly, and are typically valid for 2 hours.
- SIGMETs are issued when conditions warrant, and are typically valid for 4 hours.
- AIRMETs are issued every 6 hours and are valid for 6 hours along with another 6 hour OUTLOOK.
- CWAs are issued intermittently, and are typically valid for 2 hours.
- SAWs are issued intermittently, and are typically valid for 2 -12 hours.

Displayed Adverse Conditions in the Evaluate Departure Time Details include those from both the primary and any specified alternate destinations.

OK

ii. Use the Proposed Departure Time arrows

If the user clicks on the Proposed Departure Time arrows,

- The proposed departure time will go forwards or backwards an hour through the times displayed in the Evaluate Departure Time dialog. If the pilot reaches the first of the thirteen hour slots the left arrow will disappear, and vice versa.
- The displayed products will update based on the new proposed departure time.

CENTER Wx ADV

(None along the route of flight)

SEVERE Wx

(None along the route of flight)

TAF Conditions:

VFR

MVFR

IFR

LIFR

U UNKN

Adverse Conditions:

ACTIVE DURING INTERSECTION

ACTIVE WITHIN 60 MINUTES

ACTIVE OUTSIDE 60 MINUTES

\* Results are not tailored to your aircraft's performance. Enter your aircraft's information at [Account > Aircraft](#).

Proposed Departure Time:

◀

2100 EDT

▶

Select

Cancel

iii. Use the "Select" button

If the user clicks on the Select button,

- The system closes the Evaluate Departure Time Details Dialog.
- The system populates the Departure Date and Time field with the proposed departure time selected by the user.

iv. Use the "Cancel" button

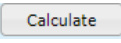
If the user clicks on the Cancel button,

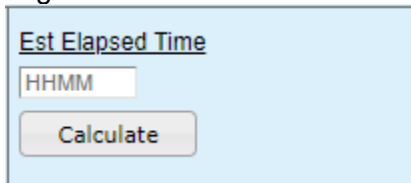
- The system closes the Evaluate Departure Time Details Dialog

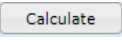
- The system displays the Evaluate Departure Time Dialog with the row corresponding to the proposed departure time selected.

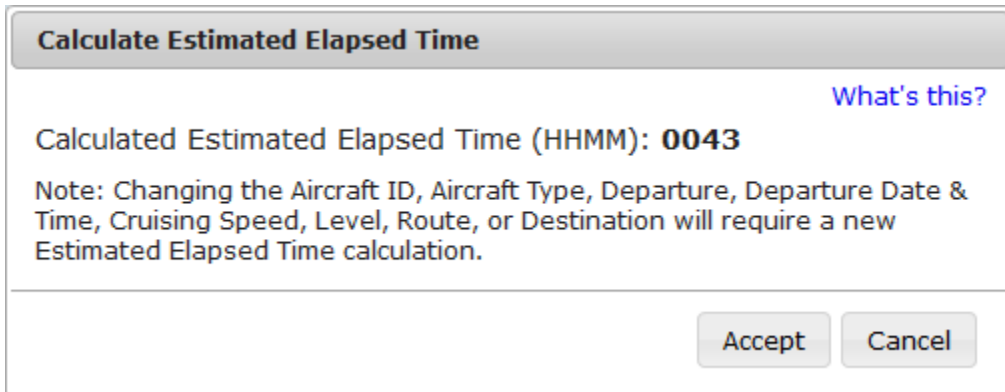
Note that when there are AIRMETs assigned to the "Other" category, an extra row is added to the Evaluate Departure Time Details pop up (This should be located after the rows for the Sierra, Tango and Zulu AIRMETs ). The row should not be displayed when there are no "Other" category AIRMETs relevant to the route of flight. If the AIRMET is an outlook, then it will display OTLK.

## 9.7. Estimated Elapsed Time Calculation

For calculating the estimated elapsed time,  button is available on the ICAO Flight Plan form.



Calculating estimated elapsed time requires the following fields to be filled out: Aircraft ID, Aircraft Type, Departure, Departure Date & Time, Cruising Speed, Level, and Destination. The Route of Flight field is not required but it is included in the calculation. If the aircraft has a profile with performance characteristics, they are used in the calculation. Otherwise, the default characteristics for the Aircraft Type are used. When the  button is pressed, the Calculate Estimated Elapsed Time dialog is presented to the user containing the estimated time.




Note: the Calculated Estimated Elapsed Time dialog may have information or warning messages on it related to system weather availability and aircraft performance characteristics.

If the user accepts the estimate, then it is placed into the Est Elapsed Time field. If the user cancels from that dialog, the Est Elapsed Time field is unchanged.

Once an estimated elapsed time has been calculated, if the user changes any fields related to its calculation and then attempts to File, Amend, or Activate the flight plan,

the user will be presented with the following warning dialog and offered the option of recalculating the estimated elapsed time.

Recalculate Estimated Elapsed Time?



The previously calculated estimated elapsed time value may have been invalidated by subsequent flight plan data changes.

Would you like to recalculate?

Yes

No

The warning dialog will not appear if there was manual change to the Est Elapsed Time field.


## 9.8. Route Mapping

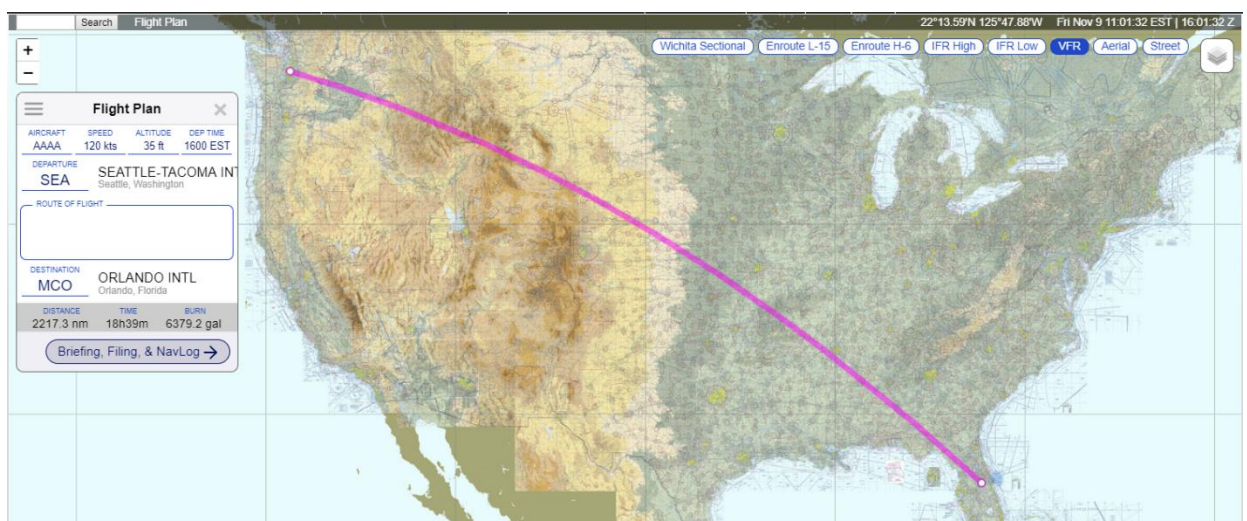
For Route Mapping, the  button is available on the Flight Plan form.

Route of Flight (Blank for direct)

Map

Plan

No fields are required for interactive map. When the  button is clicked, the interactive map is opened. The dialog also features pan/zoom capability. The interactive map also has an interactive map form capability which is the condensed version of the Briefing, Filing, and NavLog page.



Interactive Flight Plan Form Description			
Field	Description	Format	Conditional Appearance
Aircraft ID	Contains the name of the aircraft	2-7 alphanumeric characters	N/A
Speed	Contains the speed of the plane	Zero value for Airspeed in invalid Knots: N followed by 4 digits, max of 3700 Mach: M followed by 3 digits, max of 500, with an implicit decimal point after the first digit (M084 =0.84 Mach, M100 = 1.00 Mach, M215=2.15 Mach)	N/A


Altitude	Contains the altitude of the plane	<p><b>Format:</b></p> <p>Route Brief, File, Amend and Activate</p> <ul style="list-style-type: none"> <li>• Flight Level: 2-3 digits</li> <li>• ABV/&lt;Flight Level&gt;</li> <li>• OTP</li> <li>• OTP/&lt;Flight Level&gt;</li> <li>• VFR</li> <li>• VFR/&lt;Flight Level&gt;</li> <li>• Block Altitude: &lt;Flight Level&gt;B&lt;Flight Level&gt;</li> </ul> <p>NavLog, Optimize Altitude, Evaluate Departure Time</p> <ul style="list-style-type: none"> <li>• Flight Level: 2-3 digits</li> <li>• ABV/&lt;Flight Level&gt;</li> <li>• OTP/&lt;Flight Level&gt;</li> <li>• VFR/&lt;Flight Level&gt;</li> <li>• Block Altitude: &lt;Flight Level&gt;B&lt;Flight Level&gt;</li> </ul> <p><b>Valid range for Optimize Altitude:</b></p> <p>IFR, MIFR flights:</p> <ul style="list-style-type: none"> <li>• 20-600</li> <li>• ABV/20-ABV/600</li> <li>• OTP/20-OTP/600</li> <li>• VFR/25-VFR/179</li> </ul> <p>VFR, MVFR flights:</p> <ul style="list-style-type: none"> <li>• 25-179</li> <li>• ABV/25-ABV/179</li> <li>• OTP/25-OTP/179</li> <li>• VFR/25-VFR/179</li> </ul> <p><b>Valid range for Evaluate Departure Time:</b></p> <p>IFR, MIFR, VFR, MVFR flights:</p>	N/A
----------	------------------------------------	---	-----

		<ul style="list-style-type: none"><li>• 00-999</li><li>• ABV/00-ABV/999</li><li>• OTP/00-OTP/999</li><li>• VFR/01-VFR/179</li><li>• 00B01-998B999</li></ul>	
--	--	---	--

Dep Time	Contains the departure time	<ul style="list-style-type: none"> <li>• MM/DD/YY YY; based on the selected time zone value</li> <li>• HHMM; where HHMM are 4 digits, based on the selected time zone value</li> </ul>	N/A
Departure	Contains the location of where the plane takes off	4 letter ICAO airport/heliport or ZZZZ for non-standard ICAO airport location. If AFIL or ZZZZ is entered, then a location must be provided in DEP/ in the Other Information field	N/A
Route of Flight	Contains the route the plane will take for the duration of the flight	2-558 characters; 3-5 alphanumeric airport/heliport /NAVAID/waypoint identifier	N/A
Destination	Contains the location of where the flight will land at the end of its route.	3-5 alphanumeric airport/heliport /NAVAID(excluding NDB)/waypoint identifier	N/A
Distance	The number of miles that the route of the flight will take up	Generated automatically	N/A
Time	The amount of time that the route will take	Generated automatically	N/A

Burn	Contains the amount of fuel that will be burned for during flight	Filled in by the pilot through AC performance and will be generated automatically.	N/A
------	---	--	-----

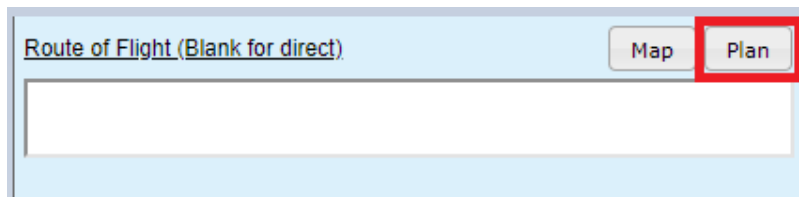
## 9.9. Route Planning


For Route Planning, the  button is available on the Flight Plan form. Plan a Route helps the pilot decide a route of flight using the departure and destination of the flight plan. The system will generate various types of routes based on the route types listed below. Once a route type is selected the system will generate the appropriate route of flight.

\*Note that the calculated route does not consider weather, flight restrictions, altitude, or traffic flow management initiatives and that it is the pilot's responsibility to verify the route is flyable given their plane's performance envelope, fuel capacity, equipage and weather conditions.

Route types:

- I. IFR - Recent ATC Assigned
- II. GPS Direct
- III. Low Altitude V Airways
- IV. VOR Direct
- V. FAA Preferred
- VI. Coded Departure (See FAA overview)



When the  button is clicked, the Plan a Route dialog page is displayed. The pilot is presented with a set of radio buttons to select a route type.



**Plan a Route**

Departure:      Destination:      [Overview of Routing Options](#)

☐ IFR - Recent ATC Assigned  
☐ GPS Direct  
☐ Low Altitude V Airways  
☐ VOR Direct  
☐ FAA Preferred  
☐ Coded Departure ([See FAA overview](#))

Find Routes      Cancel

When a route type is selected and the **Find Routes** button is clicked, the Plan a Route results dialog is displayed. For a GPS Direct route, the dialog will contain a route consisting of zero to 46 Lat/Long fixes, dependant upon route length. For a Low Altitude V Airways or VOR Direct route, the dialog will contain the shortest route if found. For other types of routes, the dialog will show an airway or multiple airways in a tabular form. If the **Cancel** button is clicked, the dialog closes and returns to Plan & Brief page.

**Plan a Route**

**Results:** Low Altitude V Airways

Departure: **BOS**      Destination: **JFK**

Route: **MILIS V16 ORW V475 WRENN**

<< Back to Find Routes      Map      Select      Cancel

Once the Plan a Route results dialog is displayed the pilot may:

- I. Double-click a row  
If the user double-clicks on a row, the system closes the Plan a Route dialog. The system populates the Route of Flight field with the value selected by the user.
- II. Use the **Select** button  
If the user clicks the Select button, the system closes the Plan a Route dialog. The system populates the Route of Flight field with the value selected by the user.
- III. Use the **Map** button

If the user clicks the Map button, the system will open a Map Route dialog

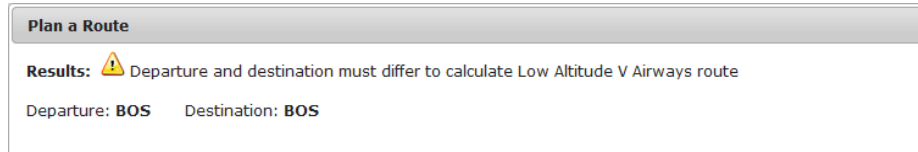
displaying the route value selected by the user. Using the button will return to the previous Plan a Route dialog.

<< Back to Find Routes


IV. Use the  button

If the user clicks the Cancel button, the system closes the Plan a Route dialog and the original route entered by the user remains populated in the Route of Flight field.

Error messages will be displayed following the **Results:** preceeded with  icon.



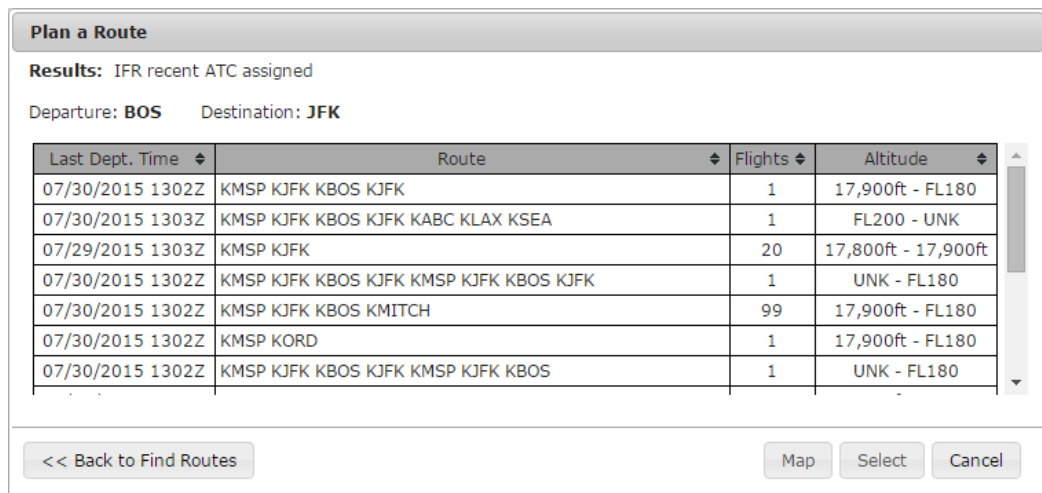
**Plan a Route**

**Results:**  Departure and destination must differ to calculate Low Altitude V Airways route

Departure: **BOS** Destination: **BOS**

#### a. IFR – Recent ATC Assigned

This option will return a list of up to fifteen recently assigned routes between departure and destination of a Flight Plan, in the following tabular structure:



**Plan a Route**

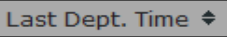
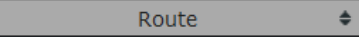
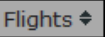
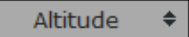
**Results:** IFR recent ATC assigned

Departure: **BOS** Destination: **JFK**

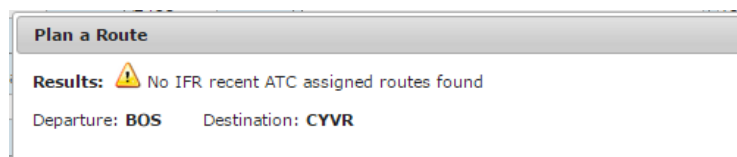
Last Dept. Time	Route	Flights	Altitude
07/30/2015 1302Z	KMSP KJFK KBOS KJFK	1	17,900ft - FL180
07/30/2015 1303Z	KMSP KJFK KBOS KJFK KABC KLAX KSEA	1	FL200 - UNK
07/29/2015 1303Z	KMSP KJFK	20	17,800ft - 17,900ft
07/30/2015 1302Z	KMSP KJFK KBOS KJFK KMSP KJFK KBOS KJFK	1	UNK - FL180
07/30/2015 1302Z	KMSP KJFK KBOS KMITCH	99	17,900ft - FL180
07/30/2015 1302Z	KMSP KORD	1	17,900ft - FL180
07/30/2015 1302Z	KMSP KJFK KBOS KJFK KMSP KJFK KBOS	1	UNK - FL180

<< Back to Find Routes


Map Select Cancel

Columns , , ,  are sortable in both ascending and descending manner.

If there are no IFR routes exist between departure and destination of the specified Flight Plan, the following will be displayed:



**Plan a Route**

**Results:**  No IFR recent ATC assigned routes found

Departure: **BOS** Destination: **CYVR**

### b. GPS Direct

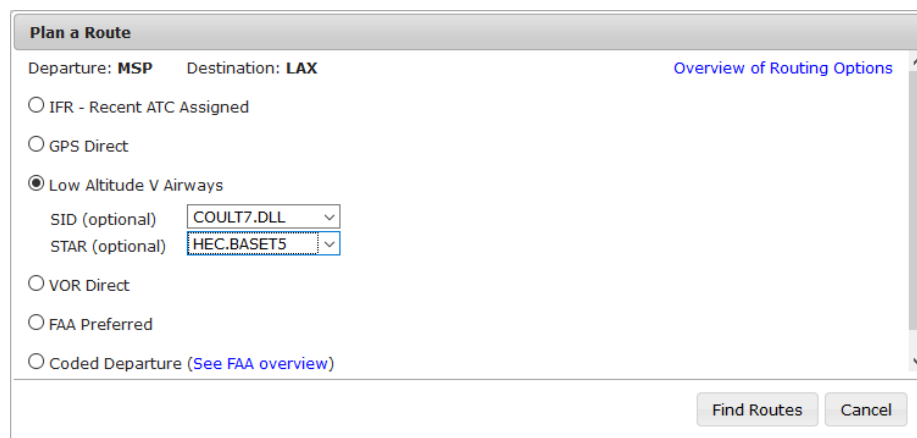
The GPS Direct radio button selection will return a route with Lat/Long coordinates along the route. SIDs and STARs are not supported when GPS Direct Routes are selected. The distance between the calculated coordinates is configurable, nominally set at 75 nmi. If the route is less than the configured distance, a direct route from departure to destination is returned. For longer routes, the route is divided into segments of the configured length. If the number of interim points exceeds 46, the route segment length will be extended as only 46 Lat/Long points will fit in the route field.



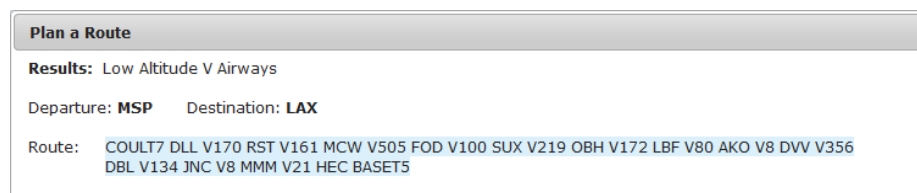
The screenshot shows a 'Plan a Route' dialog box. The 'Results' section indicates 'GPS Direct'. The 'Departure' is 'KDFW' and the 'Destination' is 'KPSX'. The 'Route' field displays '3012N09740W'.

### c. Low Altitude V Airways

The Low Altitude V Airways radio button selection will return the system recommended low altitude airways between the flight plan departure and destination of the Flight Plan. Departure and destination points can be Airports, FRDs, VORs, VORTACs. Optionally, a SID and/or STAR can be selected. If a SID is selected, the system recommended path will start from the associated departure fix. If a STAR is selected, the system recommended path will end at the associated destination transition fix. Victor airways cannot be calculated for round robin flights.



The screenshot shows the 'Plan a Route' dialog box with 'Low Altitude V Airways' selected. The 'Departure' is 'MSP' and the 'Destination' is 'LAX'. There is a link for 'Overview of Routing Options'. The 'SID (optional)' is 'COULT7.DLL' and the 'STAR (optional)' is 'HEC.BASET5'. Other options include 'IFR - Recent ATC Assigned', 'GPS Direct', 'VOR Direct', 'FAA Preferred', and 'Coded Departure (See FAA overview)'. 'Find Routes' and 'Cancel' buttons are at the bottom right.



The screenshot shows the 'Plan a Route' dialog box with 'Results: Low Altitude V Airways'. The 'Departure' is 'MSP' and the 'Destination' is 'LAX'. The 'Route' field displays a complex airway string: 'COULT7 DLL V170 RST V161 MCW V505 FOD V100 SUX V219 OBH V172 LBF V80 AKO V8 DVV V356 DBL V134 JNC V8 MMM V21 HEC BASET5'.

### d. VOR Direct

The VOR Direct radio button selection will return the shortest route flying direct between VORs, VORTACs, VOR-DMEs, and TACANs from the flight plan departure to the flight

plan destination. Departure and destination points can be Airports, FRDs, NAVAIDs, or Lat/Longs.

If a VOR Direct route is found it is displayed.

**Plan a Route**

**Results:** VOR Direct

Departure: **MSP**    Destination: **LAX**

Route:    MKT OTG YKN ONL TDD SAE SNY GLL RLG RIL JNC HVE BCE UTI LAS DAG POM

If no VOR Direct route is found, a warning is displayed.

**Plan a Route**

**Results:** ⚠ VOR Direct routing solution not found

Departure: **HNL**    Destination: **ANC**

If the flight plan departure and destination too close for routing, a direct route is recommended.

**Plan a Route**

**Results:** ⚠ Direct route recommended; Departure and Destination are too close for routing

Departure: **FDK**    Destination: **HGR**

Route:    DCT

If a VOR Direct route is found, but too long to be efficiently flown, a warning is displayed.

**Plan a Route**

**Results:** ⚠ Unable to find an efficient VOR Direct route between locations

Departure: **SNK**    Destination: **LBB**

VOR Direct routes cannot be calculated for round robin flights.

**Plan a Route**

**Results:** ⚠ Departure and destination must differ to calculate VOR Direct route

Departure: **MSP**    Destination: **MSP**

**e. FAA Preferred**

The FAA Preferred routes radio button selection will return a list of FAA Preferred airways between the flight plan departure and destination in a tabular structure.

Plan a Route

Results: FAA Preferred

Departure: **BOS**
Destination: **JFK**

Click a row to select desired route.

Route	Altitude	Effective	Type	Aircraft	Direction
SSOXS (RNAV) SSOXS BUZRD SEY PARCH (RNAV)		1100-0300	H	TURBOJETS ONLY: DME/DME/IRU OR GPS REQUIRED	
SSOXS LUCOS SEY 067 SEY PARCH CCC ROBER	110-170	1100-0300	L	JETS	
SSOXS LUCOS SEY 067 SEY HTO V46 DPK	110-170		L	PROPS	
BOSOX V1 V14 ORW V16 CCC V46 DPK	AOB 100		L		

<< Back to Find Routes

Map

Select

Cancel

Columns Route, Altitude, Effective, Type, Aircraft, Direction are sortable in both ascending and descending manner.

#### f. Coded Departure (See FAA overview)

This option will return a list of coded departure routes for the departure and destination specified in the Flight Plan in the following tabular structure:

Plan a Route

Results: Coded Departure

[Equipment Code Definitions](#)

Departure: **BOS**
Destination: **JFK**

Click a row to select desired route.

Name	Equip Code	Route
BOSJFKEX	1	BURDY V268 SEY SEY235 V46 HTO V46 DPK
BOSJFKGN	1	HYLND3 HYLND CAM ALB IGN IGN1
BOSJFKP3	1	SSOXS3 SSOXS BUZRD SEY PARCH1

<< Back to Find Routes

Map

Select

Cancel

Columns Name, Equip Code, and Route are sortable in both ascending and descending manners.

Clicking on the Equipment Code Definitions link brings up a dialog defining the 3 equipment codes.

If no coded departure routes exist for the specified departure and destination, the following will be displayed:

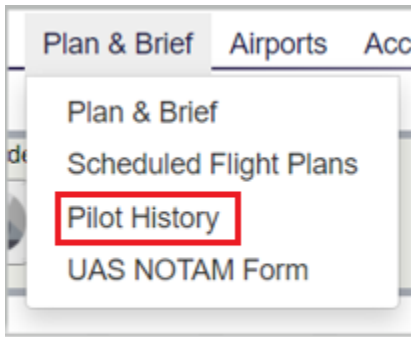
Plan a Route

Results: No Coded Departure routes found

Departure: **BOS**
Destination: **CYVR**

## 9.10. Pilot History Page

The Pilot History page may be selected by navigating to the Plan & Brief menu item and selecting Pilot History. The Pilot History Page displays up to forty-five (45) days of pilot history events. Each event displayed contains the Event Date and Time, Event Type, Aircraft ID, Source (Web or Provider or Scheduled Flight Plan), Departure and Destination. Details of certain events may be further examined by selecting the View button located next to the event.







Your account history is available for Flight Plan, NavLog, and Briefing events in the past 15 days. It includes any events your service provider performed on your account's behalf.

◀◀ 1 to 15 of 40 ▶▶

Details	Event Date & Time	Event	Aircraft ID	Source	Departure	Destination
<a href="#">View</a>	Jul 3, 1233Z	File Flight Plan	T1WVT	Website	AFIL	ZZZZ
<a href="#">View</a>	Jul 3, 1233Z	File Flight Plan	LAEGZ	Website	KOAK	ZZZZ
<a href="#">View</a>	Jul 3, 1233Z	File Flight Plan	XQ702	Website	ZZZZ	KPRC
<a href="#">View</a>	Jul 2, 1856Z	File Flight Plan	BWEZK	Website	AFIL	ZZZZ
<a href="#">View</a>	Jul 2, 1856Z	File Flight Plan	QMQQY	Website	KOAK	ZZZZ
<a href="#">View</a>	Jul 2, 1856Z	File Flight Plan	RFP64	Website	ZZZZ	KPRC
<a href="#">View</a>	Jul 2, 1403Z	File Flight Plan	KBBSM	Website	AFIL	ZZZZ
<a href="#">View</a>	Jul 2, 1403Z	File Flight Plan	X19KU	Website	KOAK	ZZZZ
<a href="#">View</a>	Jul 2, 1403Z	File Flight Plan	MI8N7	Website	ZZZZ	KPRC
<a href="#">View</a>	Jun 30, 2118Z	File Flight Plan	I456	Website	3943N08618W	3000N09016W
	Jun 30, 2117Z	Cancel Flight Plan	I456	Website	IND	MSY

The Pilot History page displays up to 15 events at a time. The current set of events being looked at and the total number of events available are displayed at the top of the table in

between the navigation buttons. The user can navigate through the events by clicking on the next  and previous  buttons. They can view the most recent events by clicking on the jump to first page  button. They can view the oldest events by clicking on the jump to last page  button.

The events displayed on the Pilot History page are as follows:

- a. Flight Plan Events
  - i. File Domestic/ICAO/Stereo
  - ii. Amend Domestic/ICAO/Stereo
  - iii. Cancel Domestic/ICAO/Stereo
  - iv. Activate Domestic/ICAO
  - v. Close Domestic/ICAO

Additional details are available for File and Amend events, by pressing the View button.

- b. Briefing Events
  - i. Standard Briefing
  - ii. Outlook Briefing
  - iii. Abbreviated Briefing
  - iv. Delta Briefing
  - v. Email Briefing
  - vi. Scheduled Email Briefing

Additional details are available for BRIEFING events, by pressing the View button.

- c. NavLog Events
  - i. NavLog
  - ii. NavLog Email

Additional details are available for NavLog events, by pressing the View button.

- d. UOA Manipulation Events
  - i. File
  - ii. Amend
  - iii. Cancel

Additional details are available for UOA manipulation events, by pressing the View button.

- e. ATC Route Notice Transmission Events
  - i. ATC Route Notice Transmission Email

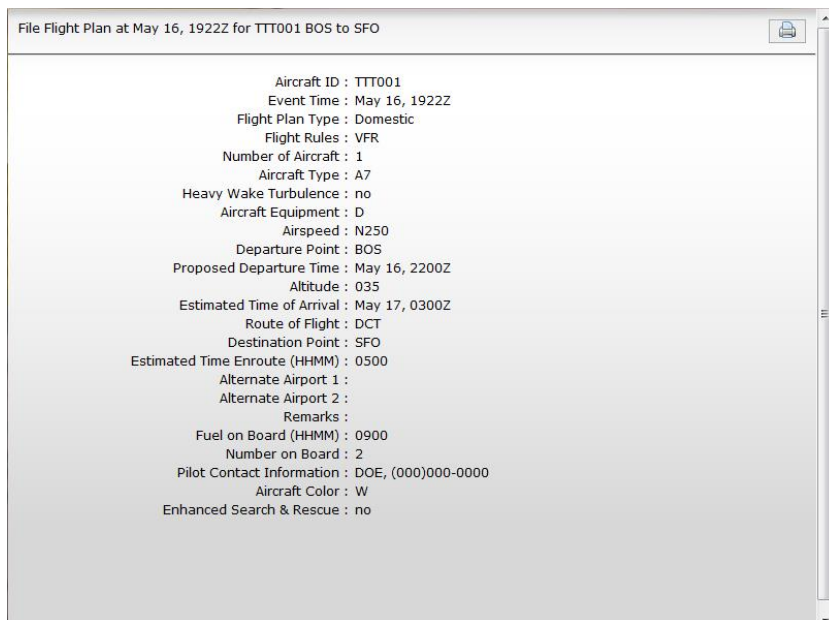
Additional details are available for ATC Route Notice Transmission events, by pressing the View button.

- f. Graphical Checklist Logged Events
  - i. Graphical Checklist Logged Events saved by the user.

Additional details are available for Graphical Checklist Logged events, by pressing the View button.

#### a. View Flight Plan Event Details Page

The View Flight Planning Event Details page may be selected by navigating to the Plan & Brief menu item, selecting Pilot History and then selecting the View button located next to the event. File and amend events will have a View button.



The screenshot displays a web application window titled "File Flight Plan at May 16, 1922Z for TTT001 BOS to SFO". The window contains a list of flight plan details. A print icon is visible in the top right corner of the window.

Aircraft ID :	TTT001
Event Time :	May 16, 1922Z
Flight Plan Type :	Domestic
Flight Rules :	VFR
Number of Aircraft :	1
Aircraft Type :	A7
Heavy Wake Turbulence :	no
Aircraft Equipment :	D
Airspeed :	N250
Departure Point :	BOS
Proposed Departure Time :	May 16, 2200Z
Altitude :	035
Estimated Time of Arrival :	May 17, 0300Z
Route of Flight :	DCT
Destination Point :	SFO
Estimated Time Enroute (HHMM) :	0500
Alternate Airport 1 :	
Alternate Airport 2 :	
Remarks :	
Fuel on Board (HHMM) :	0900
Number on Board :	2
Pilot Contact Information :	DOE, (000)000-0000
Aircraft Color :	W
Enhanced Search & Rescue :	no

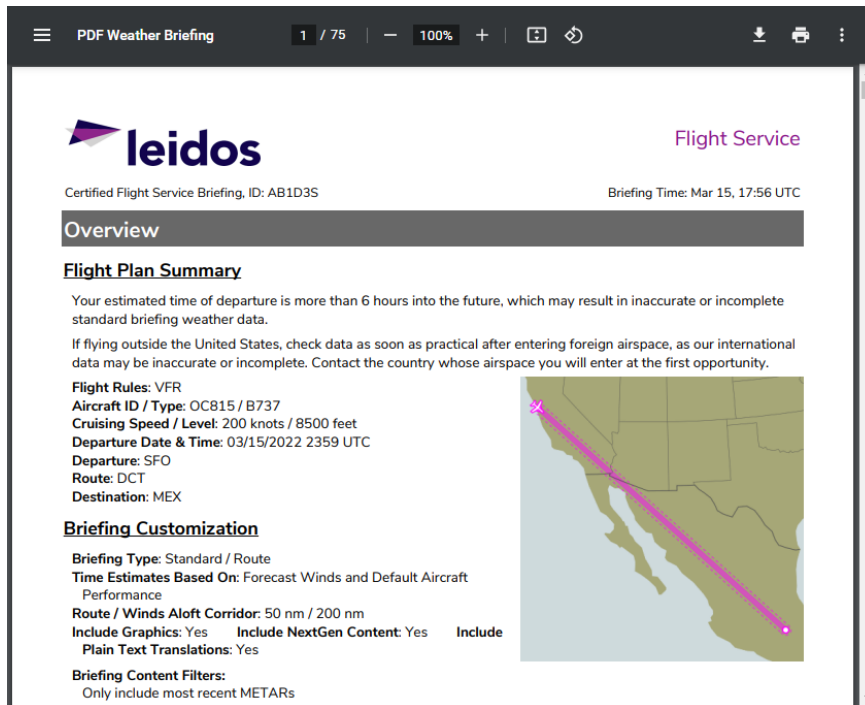
The View Flight Plan Event Details field items are described in the DOMESTIC FLIGHT PLAN table which is located in the 8.1. Flight Planning part a. Domestic Flight Plan Form Validation in this document.

The View Flight Planning Event Details page can be printed by selecting the print icon located on the top right side of the page.

#### b. View Flight Plan Briefing Event Page

The View Flight Briefing Event page may be selected by navigating to the Plan & Brief menu item and selecting Pilot History and then selecting the View button located next to one of the briefing event items displayed in the list of history event items. The different types of briefing events that can be viewed and printed are listed in the beginning of this chapter. The image below is an example of a past standard briefing.





The View Flight Briefing Event display contains the briefing material that was present at the time of the request.

The View Flight Briefing Event page can be printed by selecting the print icon located on the top right side of the page.

### c. View Navigation Log Event Page

The View Navigation Log Event page may be selected by navigating selecting the View button located next to one of the NavLog event items displayed in the list of history event items. The image below is an example of a past Navigation Log.

NavLog generated 11/09 17:40Z for N12345 www.1800wxbrief.com

ATIS: AWOS/ASOS: KCPM 127.150 UNICOM: Clearance Del: Ground: Tower: Departure: FSS: RAL 122.2 255.4	Cleared to: Depart:  Altitude: Dep Frq/Squawk: /
--	--

En Route FSS: None within 50nm

KLAX HAILE V66 CANNO V460 JLI KRNM

ATD	ETE	ETA	Total Distance	Fuel Required	Fuel Available
	01:17		159 nm		

Fix	Morse Code	Wind	MH	Leg	ETE	Alt (ft)	Leg Fuel
	Freq	Temp	MC	Rem (nm)	ATE	GS (kt)	Total
KLAX		300/012					
33°56.6' / -118°24.5'		013		123	99	00:48	10000
HAILE > V66		281/023		123	60		123
32°46.8' / -117°00.9'		005		076	20	00:08	10000
V66 > CANNO > V460		279/021		080	40		142
32°46.4' / -116°37.4'		005		344	22	00:11	10000
V460 > JLI		300/016		354	18		117
33°08.4' / -116°35.2'		114.0		011	246	00:10	10000
KRNM		318/009		239	0		108
33°02.4' / -116°54.9'		012		Dep			

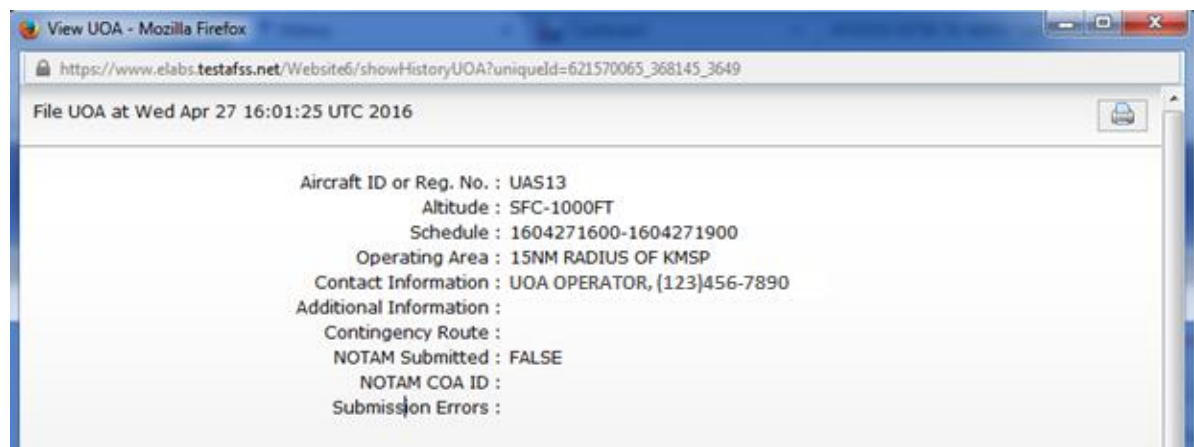
ATIS: AWOS/ASOS: None within 10nm Approach: UNICOM: Tower: Ground: FSS: None within 50nm Notes	Dest
---	------

The Navigation Log Event display contains the Navigation Log material that was present at the time of the request.

The View Navigation Log Event page can be printed by selecting the print icon located on the top right side of the page.

#### d. View UOA Manipulation Event Page

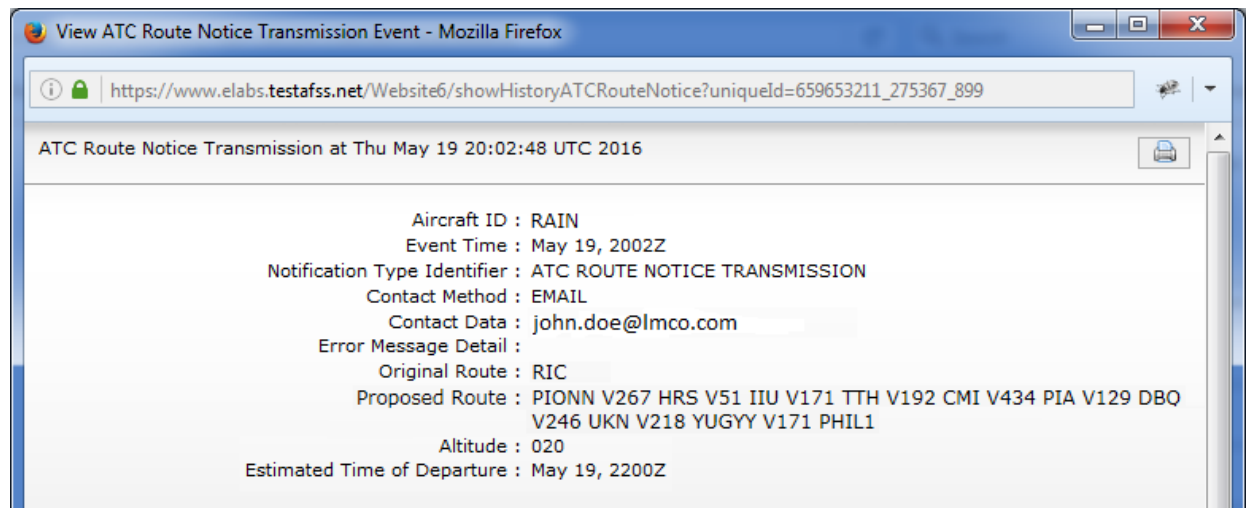
The View UOA Manipulation Event page may be selected by selecting the View button located next to one of the UOA manipulation event items displayed in the list of history event items. The image below is an example of a past File UOA Event.



The View UOA Manipulation Event page can be printed by selecting the print icon located on the top right side of the page.

**e. View ATC Route Notice Transmission Event Page**

The View ATC Route Notice Transmission Event page may be displayed by selecting the View button located next to an ATC Route Notice Transmission event item displayed in the Pilot History. The image below is an example of an ATC Route Notice Transmission Event.

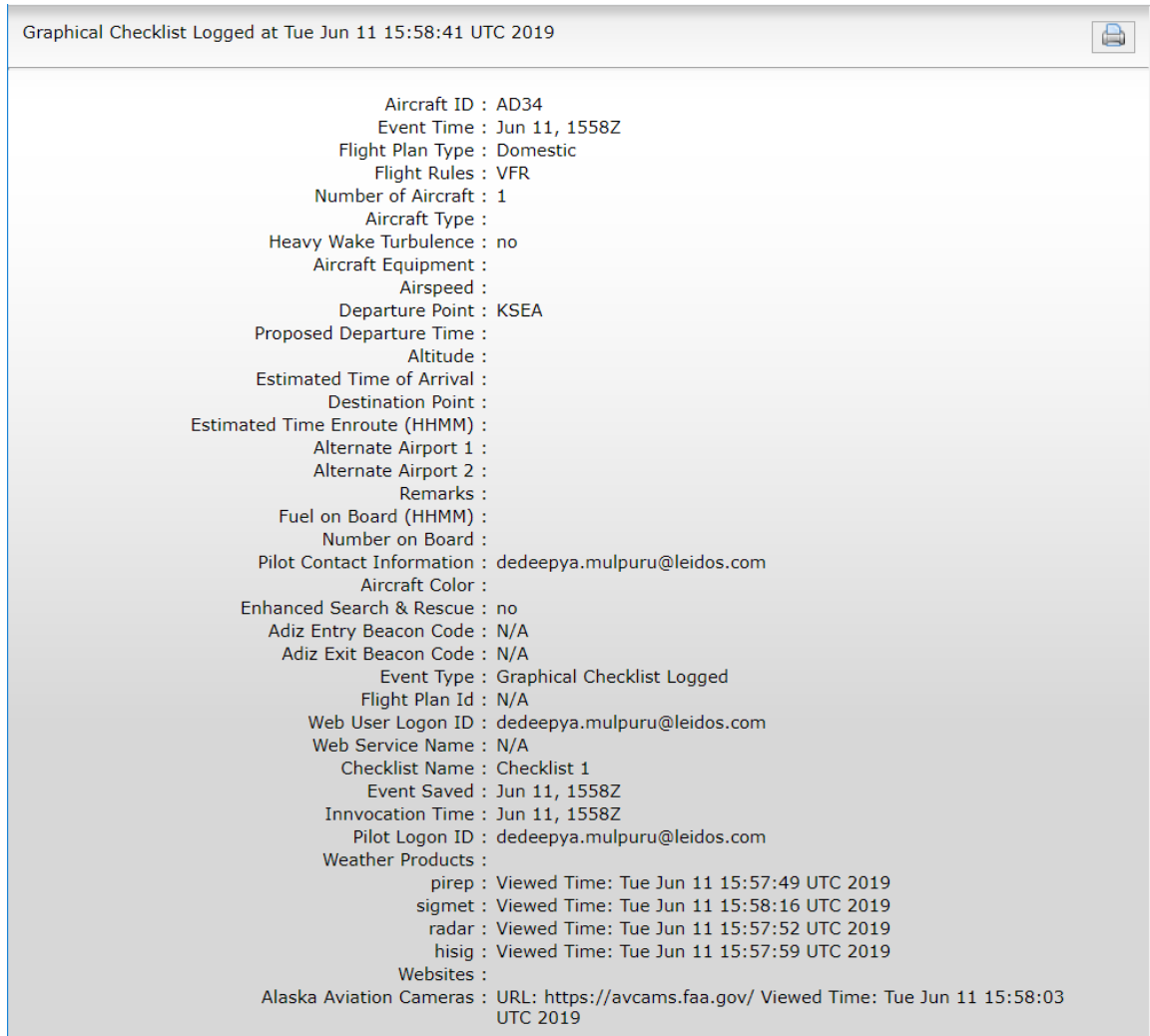


The ATC Route Notice Transmission Event display contains the ATC Route Notice Transmission material that was present at the time of the request.

The View ATC Route Notice Transmission Event page can be printed by selecting the print icon located on the top right side of the page.

**f. View Graphical Checklist Logged Event Page**

The View Graphical Checklist Logged Event page may be displayed by selecting the View button located next to a Graphical Checklist Logged event item displayed in the Pilot History. The image below is an example of a Graphical Checklist Logged Event.



The Graphical Checklist Logged Event display contains the Graphical Checklist Logged material that was present at the time of the request

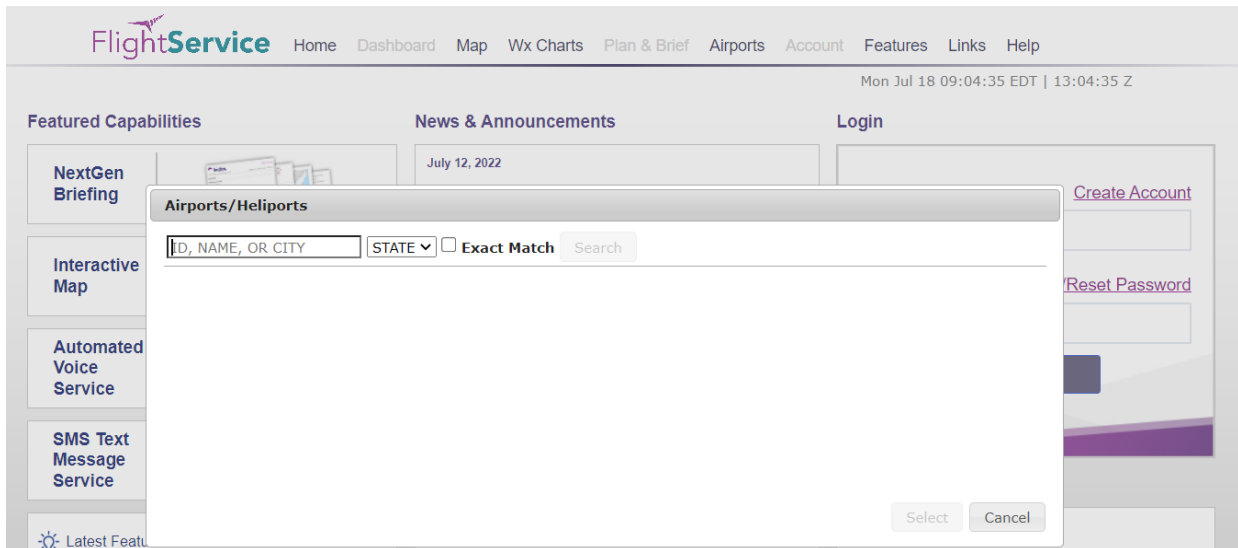
The View Graphical Checklist Logged Event page can be printed by selecting the print icon located on the top right side of the page.

## 10. Airports Page

Clicking on the Airports menu bar item will open the airports/heliports search dialog over the currently viewed page. It contains a form to lookup airport or heliport information pages.

### Airport Lookup





Retrieving information on specific airports can be accessed via the airports/heliports search dialog. Reference Departure/Destination/Alternates in Flight Plan Helper Menu and Dialogs for more information on this search function. Note that the Airports/Heliports search dialog displays results for just airports and heliports.

Airports/Heliports						
ID		STATE	<input type="checkbox"/> Exact Match	Search		
ID	TYPE	NAME	LAT/LONG	CITY, STATE	ARTCC	FSS
EPGI	AIRPORT	GRUDZIADZ/LISIE KATY	5331N01851E			
GSO	AIRPORT	PIEDMONT TRIAD INTL	3606N07956W	GREENSBORO, NC	ZTL	RDU
IAD	AIRPORT	WASHINGTON DULLES INTL	3857N07728W	WASHINGTON, DC	ZDC	DCA
KGSO	AIRPORT	PIEDMONT TRIAD INTL	3606N07956W	GREENSBORO, NC	ZTL	RDU
KIAD	AIRPORT	WASHINGTON DULLES INTL	3857N07728W	WASHINGTON, DC	ZDC	DCA
KNGT	AIRPORT	GOLIAD NOLF	2837N09737W	BERCLAIR, TX	ZHU	SJT
NGT	AIRPORT	GOLIAD NOLF	2837N09737W	BERCLAIR, TX	ZHU	SJT
OIAD	AIRPORT	DEZFUL	3226N04823E			

The information page for the desired airport or heliport can be viewed by either clicking the Select button or double-clicking the row for the desired location.

Several aspects of the airport or heliport will be displayed within different sections of the information page.

IAD

WASHINGTON DULLES INTL

Location Information

Official FAA Data effective Jul 14, 2022

Coordinates: 38°56.85'N / 077°27.60'W [View On Map](#)  
Located 20 miles W of Washington, Dist. Of Columbia on 13000 acres of land.  
Remark: **LOCATED IN BOTH FAIRFAX COUNTY VA AND LOUDOUN COUNTY VA.**  
Surveyed Elevation is 313.0 feet MSL.  
Magnetic Variation from 2000 is 10° West

Operations Data

Airport Use	Open to the Public	A.R.T.C.C.	WASHINGTON
Activation Date	November 1962	F.S.S.	LEESBURG
Status	Operational	NOTAM Facility	IAD (NOTAM-D available)
Control Tower	Yes	Sectional Chart	WASHINGTON
Seg-Circle	No	Landing Fee	Yes
Beacon	Clear-Green	ARFF Certification	I E S 05/1973
Wind Indicator	Yes, Lighted	Customs	Customs Landing Rights
		Airspace Analysis	NO OBJECTION
		Attendance	ALL/ALL/ALL

### a. Location Information

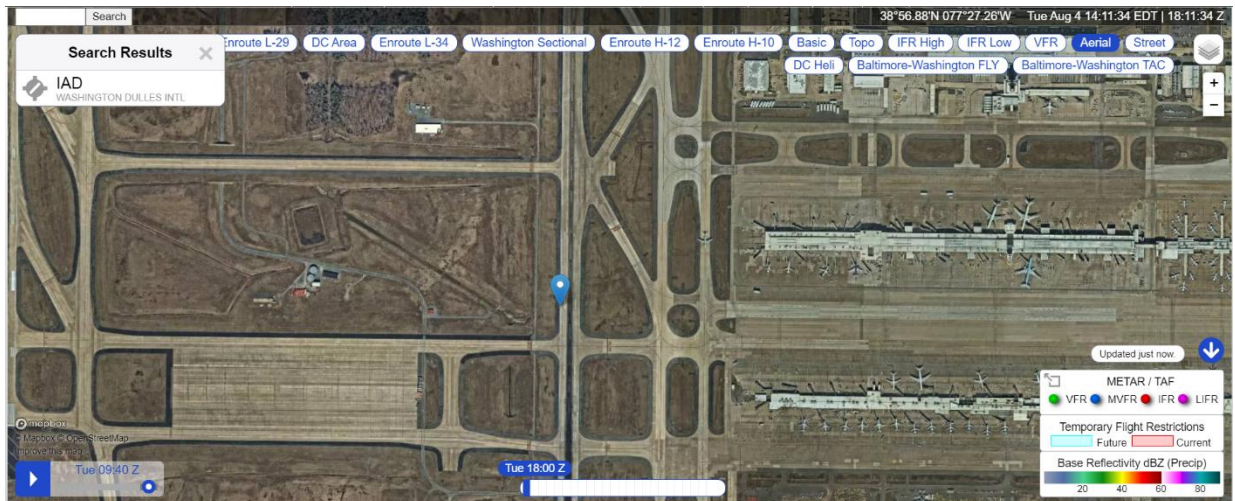
This Topic displays the Lat/Long and Altitude of the airport, as well as the number of miles to the closest city.

Location Information

Official FAA Data effective Jul 16, 2020

Coordinates: 38°56.85'N / 077°27.60'W [View on Map](#)  
Located 20 miles W of Washington, Dist. Of Columbia on 13000 acres of land.  
Remark: **LOCATED IN BOTH FAIRFAX COUNTY VA AND LOUDOUN COUNTY VA.**  
Surveyed Elevation is 313.0 feet MSL.  
Magnetic Variation from 2000 is 10° West

The **View on Map** link takes the user to the Interactive Map page and displays the airport location in Aerial View. The airport location is centered and indicated by a location icon.



### b. Operations Data

This Topic shows the Airport Use indicating availability to the public, as well as whether there is a control tower available, and the NOTAMS facility associated with the airport.

Operations Data			
Airport Use	Open to the Public	A.R.T.C.C.	WASHINGTON
Activation Date	November 1962	F.S.S.	LEESBURG
Status	Operational	NOTAM Facility	IAD (NOTAM-D available)
Control Tower	Yes	Sectional Chart	WASHINGTON
Seg-Circle	No	Landing Fee	Yes
Beacon	Clear-Green	ARFF Certification	I E S 05/1973
Wind Indicator	Yes, Lighted	Customs	Customs Landing Rights
		Airspace Analysis	NO OBJECTION
		Attendance	ALL/ALL/ALL

### c. Airport Communications

This Topic displays all the frequencies associated with this airport.

Airport Communications	
D-ATIS	134.85
DULLES TOWER	120.1 RY 01R/19L 120.25 RY 01C/19C 134.425 RY 01L/19R & RY 12/30 317.8 RY 01R/19L 348.6 RY 01C/19C 348.6 RY 01L/19R & RY 12/30
DULLES GROUND	121.625 WEST 121.9 EAST 317.8 EAST 348.6 WEST
CLEARANCE DELIVERY	135.7 317.8
AS ASSIGNED	125.8 128.425 132.45
APCH/P CLASS B	128.525(091-240)
MIDFLD RAMP CTL	129.55
EMERG	121.5 243.0
<i>ASR RADAR UNAVBL ABV 15000 FT.  ASR ELEV. 275.1 CPME#1 38-56-15.8625N 77-27-39.3822W CPME#2  38-56-01.0536N 77-25-54.0575W MTH#1 38-55-58.9323N 77-27-14.2280W  MTH#2 38-55-02.7688N 77-26-11.5518W MTH#3 38-58-32.0733N  77-27-33.3491W FEED HORN ELEV. 340.3  ARRIVALS MAY BE EXTENDED OUTSIDE OF CLASS B.</i>	

### d. Runways

This Topic indicates the runways for the airport, as well as their composition and maintenance (but NOT current weather) condition(s).

Runway 01R/19L			
Dimensions	11500 x 150 feet		
Surface	CONC-G GRVD		
Weight Limits	81 /R/C/W/T S-200 D-250 ST-450 DT-875		
Runway 01R		Runway 19L	
Coordinates	38°55.43?N / 077°26.19?W	Coordinates	38°57.32?N / 077°26.16?W
Elevation	311.7	Elevation	293.2
Traffic Pattern	Left	Traffic Pattern	Left
Runway Heading	011° Magnetic, 001° True	Runway Heading	191° Magnetic, 181° True

### e. Ownership Information

This Topic provides the airport ownership information including the airport manager.



Ownership Information	
Owner	METRO WASH ARPT AUTHORITY 1 AVIATION CIRCLE WASHINGTON, DC 20001-6000 703-417-8600
Manager	MIKE STEWART 1 SAARINEN CIRCLE, SAARINEN CENTER MA-210 DULLES, VA 20166 703-661-6346

#### f. Remarks

This Topic indicates any restrictions and/or concerns while operating on, at, or near the airport location.

Remarks
<ul style="list-style-type: none"> <li>• RY 30 DEPARTURES USE UPPER ANTENNA FOR ATC COMMUNICATIONS.</li> <li>• ASDE-X IN USE. OPERATE TRANSPONDERS WITH ALTITUDE REPORTING MODE AND ADS-B (IF EQUIPPED) ENABLED ON ALL AIRPORT SURFACES.</li> <li>• LDG FEE. FLIGHT NOTIFICATION SERVICE (ADCUS) AVBL. NOTE: SEE SPECIAL NOTICES --CONTINUOUS POWER FACILITIES.</li> <li>• TWY E1 RESTRICTED TO ACFT WITH A WINGSPAN LESS THAN 79 FT.</li> <li>• B747-8 RESTRICTED TO MAXIMUM TAXI SPEED 17 KTS (20 MPH) ON TWY J.</li> <li>• ENGINE RUN-UPS BTW 2200L &amp; 0700L REQUIRE PRIOR APPROVAL FM ARPT OPS.</li> <li>• ALL 180 DEG TURNS OUT OF APRON POSITIONS SHALL BE MADE USING MINIMUM POWER.</li> <li>• ITINERANT ACFT CTC FBO ON 122.95 FOR SERVICES.</li> <li>• ALL AIRCRAFT WITH WINGSPAN EXCEEDING 118 FT ARE RESTRICTED FROM USING TAXILANE A BTN A1 &amp; A5.</li> <li>• RUNUP BLOCKS FOR RY 30 DESIGNATED AS NON-MOVEMENT AREA.</li> <li>• TAXILANE 'C' ACTIVE; PUSHBACK CLNCS ON NORTH SIDE OF MIDFIELD TERMINAL ARE ONTO TAXILANE 'D' ONLY UNLESS OTHERWISE AUTH.</li> <li>• ACR PUSH BACKS &amp; PWR FM ALL APRON PSNS REQUIRE CLNC FM MWAA RAMP TWR.</li> <li>• LARGE FLOCKS OF BIRDS ON &amp; INVOF ARPT/DEER INVOF ARPT.</li> <li>• DURING PERIODS OF ACFT SATURATION LONG TERM PARKING MAY NOT BE AVAILABLE. SERVICES FOR FUEL AND GO ONLY WILL BE AVAILABLE.</li> <li>• FLIGHT TRAINING BETWEEN 2200-0700 IS PROHIBITED.</li> <li>• RY STATUS LGTS ARE IN OPN.</li> </ul>

For military airports, there are two additional sections / topics that are available.

#### g. Airport Charts

Below the remarks section is an area consisting of chart links related to the specified airport. The first section provides links to the Airport Charts and Publications. The second contains the links to the Standard Terminal Arrival (STAR) Charts. Following STAR charts are the Instrument Approach Procedure (IAP) Charts. The last section provides Departure Procedure (DP/ODP) Charts. By clicking each link, a new window opens with the related chart.

Airport Charts and Publications
<a href="#">CHART SUPPLEMENT</a> <a href="#">AIRPORT DIAGRAM</a> <a href="#">ALTERNATE MINIMUMS</a> <a href="#">TAKEOFF MINIMUMS</a>
Standard Terminal Arrival (STAR) Charts
<a href="#">CAVLR THREE (RNAV)</a> <a href="#">COATT FIVE</a> <a href="#">DELRO FOUR</a> <a href="#">DELRO FOUR, CONT.1</a> <a href="#">DOCCS TWO</a> <a href="#">DOCCS TWO, CONT.1</a>



[BUNZZ THREE \(RNAV\)](#)  
[CAPITAL ONE](#)  
[CAPITAL ONE, CONT.1](#)  
[CLTCH TWO \(RNAV\)](#)  
[JCOBY THREE \(RNAV\)](#)  
[JDUBB TWO \(RNAV\)](#)  
[JERES TWO \(RNAV\)](#)  
[MCRAY TWO \(RNAV\)](#)  
[RNLDI FOUR \(RNAV\)](#)  
[SCRAM FOUR \(RNAV\)](#)  
[WOOLY ONE \(RNAV\)](#)

**Note:** Charts are typically Adobe .pdf files and will require a .pdf compatible browser to use correctly.

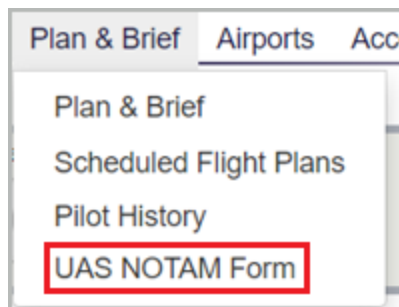
#### h. National Flight Data Center Link

There is a link to the National Flight Data Center (NFDC) website at the bottom of each airport or heliport information page.

For airport familiarization, airport diagrams are provided at the bottom of the airport information pages on this website. An additional website for airport diagrams is provided by the [National Flight Data Center \(NFDC\)](#). Not all airport diagrams are available.

## 11. UAS

The UAS NOTAM Form menu item is shown when you hover over the Plan & Brief menu bar item and it allows access to capabilities for Unmanned Aircraft Systems (UAS).




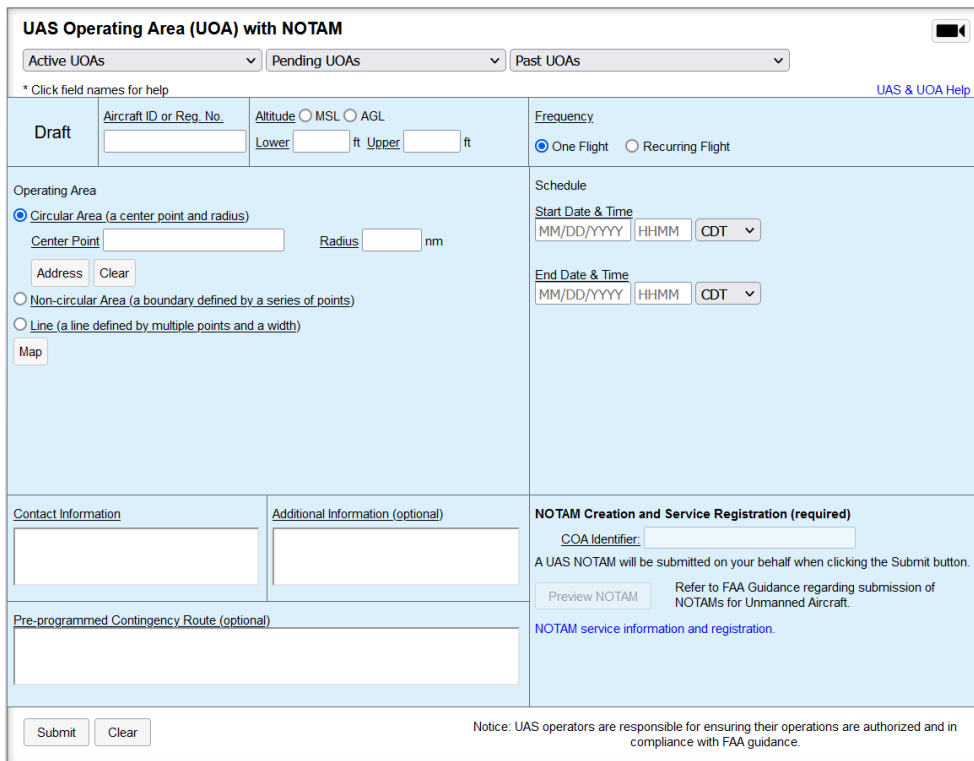
### 11.1. UAS Operating Area Planning

The UAS planning page allows the pilot to

- Create new UAS Operating Areas.
- Manage planned and active UAS Operating Areas.
- View Past UAS Operating Areas.
- Preview NOTAMs that will be submitted for the operating area.
- Submit NOTAMs for UOAs. The pilot needs to be authorized in order to have this capability enabled and displayed.
- Display the NOTAMs that were submitted.

The UAS planning page identifies the required fields to create a UAS Operating Area. Hovering with the mouse pointer over any field label will provide a summary of general syntax and semantic rules for the field and indicate for which actions the field is required. Clicking the label will provide more detailed information about the field. Select the Submit NOTAM check box to submit a NOTAM. Select the Preview NOTAM button to display the NOTAMs that will be submitted.

Clicking on the Video icon  will open a help video on UAS Operating Area (UOA) Planning Form.



**UAS Operating Area (UOA) with NOTAM**

Active UOAs Pending UOAs Past UOAs

\* Click field names for help [UAS & UOA Help](#)

**Draft**

Aircraft ID or Reg. No.

Altitude ☐ MSL ☐ AGL

Lower  ft Upper  ft

Frequency

☒ One Flight ☐ Recurring Flight

**Operating Area**

☒ Circular Area (a center point and radius)

Center Point  Radius  nm

Address

☐ Non-circular Area (a boundary defined by a series of points)

☐ Line (a line defined by multiple points and a width)

**Schedule**

Start Date & Time  HHMM CDT

End Date & Time  HHMM CDT

**Contact Information**

**Additional Information (optional)**

**NOTAM Creation and Service Registration (required)**

COA Identifier:

A UAS NOTAM will be submitted on your behalf when clicking the Submit button.

Refer to FAA Guidance regarding submission of NOTAMs for Unmanned Aircraft.

NOTAM service information and registration.

Pre-programmed Contingency Route (optional)

Notice: UAS operators are responsible for ensuring their operations are authorized and in compliance with FAA guidance.

Clicking on the Address button located in the Circular Area section of the form will display an address search dialog. This allows you to search for an address that can be used to populate the Center Point field with the address. The Center Point field will then be disabled until the field is cleared by clicking the “Clear” button.

To search for an address, enter the search criteria (2-125 characters) in the text box and click the Search button. A list of address matches will be displayed. Select the desired address by clicking on it, and then clicking the Select button. If no matches are found, the text “No addresses match search criteria.” is displayed. If the address lookup service is unavailable, the text “Address search is unavailable. It will be available again tomorrow.” is displayed. Any other error displays the text, “There was an error during processing.”

Address of Center Point

1303 CORPORATE CENTER DRIVE

Search

ADDRESS

1303 CORPORATE CENTER DRIVE, EAGAN, MINNESOTA 55121, UNITED STATES

1303 CORPORATE CENTER DRIVE, WEST BEND, WISCONSIN 53095, UNITED STATES

1303 DEBONAIR LANE, FORT MILL, SOUTH CAROLINA 29707, UNITED STATES

1303 CORPORATE CENTER DRIVE, OCONOMOWOC, WISCONSIN 53066, UNITED STATES

1303 CORPORATE CENTRE DRIVE, O'FALLON, MISSOURI 63368, UNITED STATES

1303 CORPORATE CENTER DRIVE EAST, TOBYHANNA, PENNSYLVANIA 18466, UNITED STATES

CORPORATE CENTER DRIVE, MELVILLE, NEW YORK 11747, UNITED STATES

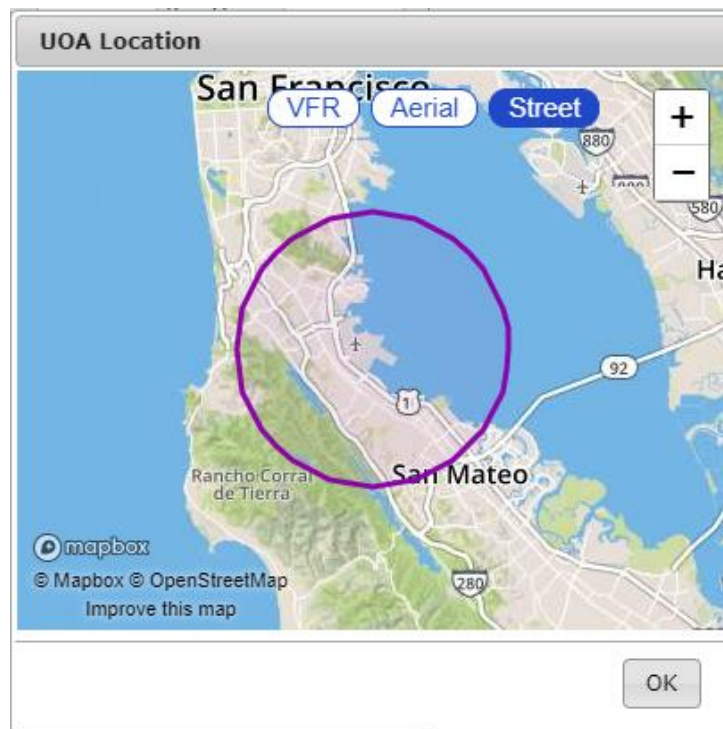
CORPORATE CENTER DRIVE, DANBURY, CONNECTICUT 06810, UNITED STATES

CORPORATE CENTER DRIVE, MANALAPAN, NEW JERSEY 07726, UNITED STATES

Select

Cancel

Clicking on the Map button located in the Operating Area section of the form will display a map depicting the proposed UAS operating area. An operating area must be specified prior to displaying the map. If no operating area is specified, the map will not open and the operating area section on the form will indicate being required. The map can be panned and zoomed using either the mouse and on screen controls. The map provides three selectable views; Street, Aerial and VFR, the default being the Street view.



### a. UOA Form Validation

The syntax validation for the fields and the required fields are described in the table below.

UOA Form		
Field	Syntax Validation	Description
Aircraft ID or Reg. No.	<ul style="list-style-type: none"> <li>8-10 alphanumeric characters or 1 letter followed by 1-6 alphanumeric characters Examples: <b>2330012013</b>, <b>N0819W</b></li> </ul>	<ul style="list-style-type: none"> <li>This is the identification for the UAS. The Aircraft ID or Registration Number of the UAS should be used when available.</li> </ul>
Minimum Altitude	<ul style="list-style-type: none"> <li>1-5 digits, max of 17999</li> </ul>	<ul style="list-style-type: none"> <li>The minimum height of the UOA in Mean Sea Level (MSL) feet or Above Ground Level (AGL).</li> <li>When AGL is selected, this field defaults to Surface (SFC).</li> </ul>
Maximum Altitude	<ul style="list-style-type: none"> <li>1-5 digits, max of 17999</li> </ul>	<ul style="list-style-type: none"> <li>The maximum height of the UOA in Mean Sea Level (MSL) feet or in Above Ground Level (AGL)</li> </ul>
Frequency	<ul style="list-style-type: none"> <li>One Flight or Recurring Flight must be selected</li> </ul>	<ul style="list-style-type: none"> <li>Indicates if the UOA is being defined for a single or recurring flight.</li> </ul>
Start Date & Time	<ul style="list-style-type: none"> <li>MM/DD/YYYY; based off of the selected time zone value</li> <li>HHMM; where HHMM are 4 digits, current time based off of the selected time zone value; if not available, will default to your local time</li> <li>Time zone: <div> <div>AST</div> <div>ADT</div> <div>EST</div> <div>EDT</div> <div>CST</div> <div>CDT</div> <div>MST</div> <div>MDT</div> <div>PST</div> <div>PDT</div> <div>AKST</div> <div>AKDT</div> <div>HST</div> <div>UTC</div> </div> </li> <li>Must be no more than 27 days from current day</li> </ul>	<ul style="list-style-type: none"> <li>This identifies the start time of the UOA for a single flight.</li> <li>Visible when One Flight is selected for Frequency</li> </ul>
End Date & Time	<ul style="list-style-type: none"> <li>MM/DD/YYYY; based off of the selected time zone value</li> <li>HHMM; where HHMM are 4 digits, current time based off of the selected time zone value; if not available, will default to your local time</li> <li>Time zone: <div> <div>AST</div> <div>ADT</div> <div>EST</div> <div>EDT</div> <div>CST</div> <div>CDT</div> <div>MST</div> <div>MDT</div> <div>PST</div> <div>PDT</div> <div>AKST</div> <div>AKDT</div> <div>HST</div> <div>UTC</div> </div> </li> </ul>	<ul style="list-style-type: none"> <li>This identifies the end time of the UOA for a single flight</li> <li>Visible when One Flight is selected for Frequency</li> </ul>

UOA Form		
Field	Syntax Validation	Description
	<ul style="list-style-type: none"> <li>Must be no more than 365 days from current day</li> </ul>	
First Day	<ul style="list-style-type: none"> <li>MM/DD/YYYY</li> <li>If submitting UOA with NOTAMs, or previewing NOTAMs, in combination with the start of the daily active time range, must be less than or equal to 72 hours from the current time.</li> </ul>	<ul style="list-style-type: none"> <li>The day the UOA schedule begins.</li> <li>Visible when Recurring Flight is selected for Frequency</li> </ul>
Last Day	<ul style="list-style-type: none"> <li>MM/DD/YYYY</li> <li>Must be no more than 365 days from current day</li> </ul>	<ul style="list-style-type: none"> <li>The day the UOA schedule ends.</li> <li>Visible when Recurring Flight is selected for Frequency</li> </ul>
Active Days	<ul style="list-style-type: none"> <li>At least one must be selected</li> </ul>	<ul style="list-style-type: none"> <li>The days of the week the UOA will be active, within the first and last days of the schedule.</li> <li>Visible when Recurring Flight is selected for Frequency</li> </ul>
Daily Active Time Range	<ul style="list-style-type: none"> <li>At least one of the three options must be selected.</li> <li>When specifying start and end time explicitly: <ul style="list-style-type: none"> <li>HHMM; where HHMM are 4 digits, current time based off of the selected time zone value; if not available, will default to pilot's local time</li> <li>Time zone: <div> <div>AST</div> <div>ADT</div> <div>EST</div> <div>EDT</div> <div>CST</div> <div>CDT</div> <div>MST</div> <div>MDT</div> <div>PST</div> <div>PDT</div> <div>AKST</div> <div>AKDT</div> <div>HST</div> <div>UTC</div> </div> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>The time range during the day the UOA will be active, on those days where it is active.</li> <li>Visible when Recurring Flight is selected for Frequency</li> </ul>
Operating Area	<ul style="list-style-type: none"> <li>Selection of either Circular Area, Non-circular Area or Line</li> </ul>	<ul style="list-style-type: none"> <li>This selection is used to select if the UOA will be a circular shape, a polygon or a line.</li> </ul>
Circular Area - Center Point	<p>One of the following formats:</p> <ul style="list-style-type: none"> <li>2-4 alphanumeric airport/heliport/navaid (default airport) identifier Examples: <b>HGR, KSEA, 90I5</b></li> <li>8-20 character latitude/longitude in the format aabb(ss)(.)(t)(A)(/)(c)ccdd(ss)(.t)(B), where parentheses denote optional characters</li> <li>aa is degrees latitude in the range 00-90</li> <li>bb is minutes latitude in the range 00-59</li> <li>(c)cc is degrees longitude in the range 00-180</li> <li>dd is minutes longitude in the range 00-59</li> <li>ss is seconds in the range 00-59</li> <li>(.t) is tenths of a second .0 to .9</li> <li>(A) is either N or S (North or South, default to N if unspecified)</li> <li>(B) is either W or E (West or East, default to W if unspecified)</li> </ul>	<ul style="list-style-type: none"> <li>This field identifies the center point of a circular area. Different formats can be used to identify this area, including nav aids, FRDs, or latitude/longitudes.</li> <li>FRDs only permitted when referenced from a VOR</li> <li>Visible only when Circular Area is selected</li> </ul>

UOA Form		
Field	Syntax Validation	Description
	<p>Example: <b>4449N/7322W</b></p> <ul style="list-style-type: none"> <li>9-11 alphanumeric fix-radial-distance in the format AAAaaabbb(.b(b)), where parentheses denote optional characters</li> <li>AAA is 3 alphanumeric VOR identifier</li> <li>aaa is radial measure in degrees from North in the range 001-360</li> <li>bbb(.b(b)) is distance in nautical miles in the range 001-999 or 000.01-999.99</li> </ul> <p>Example: <b>HGR001024</b></p>	
Circular Area - Radius Point	<ul style="list-style-type: none"> <li>Range .1 to 25.0</li> </ul>	<ul style="list-style-type: none"> <li>This identifies the radius of the UOA in nautical miles from the center point.</li> <li>Nautical miles can be calculated by multiplying miles by 0.87.</li> <li>Visible only when Circular Area is selected</li> </ul>
Non-circular Area	<p>2-558 character describing at least three point which can be in the following formats:</p> <ul style="list-style-type: none"> <li>2-4 alphanumeric airport/heliport/navaid (default airport) identifier Examples: <b>HGR, KSEA, 90I5</b></li> <li>8-20 character latitude/longitude in the format aabb(ss)(.t)(A)(/)(c)ccdd(ss)(.t)(B), where parentheses denote optional characters</li> <li>aa is degrees latitude in the range 00-90</li> <li>bb is minutes latitude in the range 00-59</li> <li>(c)cc is degrees longitude in the range 00-180</li> <li>dd is minutes longitude in the range 00-59</li> <li>ss is seconds in the range 00-59</li> <li>(.t) is tenths of a second .0 to .9</li> <li>(A) is either N or S (North or South, default to N if unspecified)</li> <li>(B) is either W or E (West or East, default to W if unspecified)</li> </ul> <p>Example: <b>4449N/7322W</b></p> <ul style="list-style-type: none"> <li>9-11 alphanumeric fix-radial-distance in the format AAAaaabbb(.b(b)), where parentheses denote optional characters</li> <li>AAA is 3 alphanumeric VOR identifier</li> <li>aaa is radial measure in degrees from North in the range 001-360</li> <li>bbb(.b(b)) is distance in nautical miles in the range 001-999 or 000.01-999.99</li> </ul> <p>Example: <b>HGR001024</b></p>	<ul style="list-style-type: none"> <li>This field is used to define a non-circular area. The points entered will be used to create the boundary for the UOA.</li> <li>FRDs only permitted when referenced from a VOR</li> <li>Visible only when Non-circular Area is selected</li> </ul>
Line - Points	<p>2-558 character describing at least three point which can be in the following formats:</p> <ul style="list-style-type: none"> <li>2-4 alphanumeric airport/heliport/navaid (default airport) identifier Examples: <b>HGR, KSEA, 90I5</b></li> <li>8-20 character latitude/longitude in the format</li> </ul>	<ul style="list-style-type: none"> <li>This field is used to define a line to be used to create the boundary for the UOA.</li> <li>FRDs only permitted when referenced from a VOR</li> <li>Visible only when Line is selected</li> </ul>

UOA Form		
Field	Syntax Validation	Description
	<p>aabb(ss)(.)(t)(A)(/)(c)ccdd(ss)(.t)(B), where parentheses denote optional characters</p> <ul style="list-style-type: none"> <li>• aa is degrees latitude in the range 00-90</li> <li>• bb is minutes latitude in the range 00-59</li> <li>• (c)cc is degrees longitude in the range 00-180</li> <li>• dd is minutes longitude in the range 00-59</li> <li>• ss is seconds in the range 00-59</li> <li>• (.t) is tenths of a second .0 .9</li> <li>• (A) is either N or S (North or South, default to N if unspecified)</li> <li>• (B) is either W or E (West or East, default to W if unspecified)</li> </ul> <p>Example: <b>4449N/7322W</b></p> <ul style="list-style-type: none"> <li>• 9-11 alphanumeric fix-radial-distance in the format AAAaaabbb(.b(b)), where parentheses denote optional characters</li> <li>• AAA is 3 alphanumeric VOR identifier</li> <li>• aaa is radial measure in degrees from North in the range 001-360</li> <li>• bbb(.b(b)) is distance in nautical miles in the range 001-999 or 000.01-999.99</li> <li>• Example: <b>HGR001024</b></li> </ul>	
Line - Width	<ul style="list-style-type: none"> <li>• Range .1 to 25.0</li> </ul>	<ul style="list-style-type: none"> <li>• This identifies the width of the UOA line in nautical miles around the center line.</li> <li>• Nautical miles can be calculated by multiplying miles by 0.87.</li> <li>• Visible only when Line Area is selected</li> </ul>
Contact Information	<ul style="list-style-type: none"> <li>• 1-200 characters.</li> </ul>	<ul style="list-style-type: none"> <li>• The name and phone number of the UAS operator.</li> </ul>
Additional Information (optional)	<ul style="list-style-type: none"> <li>• 1-200 characters.</li> </ul>	<ul style="list-style-type: none"> <li>• Any additional information, such as a description of the flight.</li> </ul>
Pre-programmed Contingency Route (optional)	<ul style="list-style-type: none"> <li>• 1-500 characters.</li> </ul>	<ul style="list-style-type: none"> <li>• This field is used if the UAS includes a pre-programmed contingency route.</li> </ul>
NOTAM COA Identifier (Certificate of Waiver or Authorization)	<ul style="list-style-type: none"> <li>• Authorized COA Identifier</li> </ul>	<ul style="list-style-type: none"> <li>• Authorized identifier issued to a public operator for a specific UOA activity for which NOTAMs are submitted.</li> <li>• Required for the UOA</li> <li>• Enabled when the User is Registered</li> </ul>
Preview NOTAM	<ul style="list-style-type: none"> <li>• N/A</li> </ul>	<ul style="list-style-type: none"> <li>• Displays the NOTAM text that would be submitted to the USNS when the UOA is submitted.</li> <li>• Enabled when the User is Registered</li> </ul>
View NOTAM	<ul style="list-style-type: none"> <li>• N/A</li> </ul>	<ul style="list-style-type: none"> <li>• Displays the NOTAM text that has already been successfully submitted to the USNS for the UOA.</li> <li>• Visible only after the UOA has been submitted.</li> </ul>

## b. Active, Pending and Past UOA Lists

These lists provide access to the UOAs associated with your account. When a UOA is created it will be added to one of the lists.

- **Active UOAs** – A UOA will be in this list if the start time is in the past and the end time is in the future
- **Pending UOAs** – A UOA will be in this list if the start time is in the future.
- **Past UOAs** – A UOA will be in this list if the end time is in the past. UOAs remain in the system and are assessable for 45 days.

## c. UOA states and actions

The initial UOA form shows the state of Draft. This indicates that the UOA is not yet created. The following options are available:

- **Submit** – Validates the data on the form. If validation of the submitted form data is successful, a dialog with a map of the specified UOA is displayed.
- **Clear** – This clears the form and returns to an empty Draft form

UOAs with a start time in the future will show the state of Pending. The following options are available:

- **Amend** – Validates the data on the form. If the operating area is modified and validation of the submitted form data is successful, a dialog with a map of the specified UOA is displayed.
- **Cancel** – This cancels the UOA. Since the UOA was not active, it is not shown in the Past UOA list.
- **Copy & Create Draft** – This creates a draft copy of the details in the form. The original Pending UOA is not changed.
- **Clear** – This clears the form and returns to an empty Draft form. The original Pending UOA is not changed.

UOAs with a start time in the past and an end time in the future will show the state of Active. The following options are available:

- **Amend** – Validates the data on the form. If the operating area is modified and validation of the submitted form data is successful, a dialog with a map of the specified UOA is displayed.
- **Cancel** – This cancels the UOA. Since the UOA was active, it is shown in the Past UOA list.
- **Copy & Create Draft** – This creates a draft copy of the details in the form. The original Active UOA is not changed.
- **Clear** – This clears the form and returns to an empty Draft form. The original Active UOA is not changed.

UOAs with an end time in the past will show the state of Past. The form is not modifiable, because the UOA has been closed. The following options are available:



- **Copy & Create Draft** – This creates a draft copy of the details in the form. The original Closed UOA is not changed.
- **Clear** – This clears the form and returns to an empty Draft form. The original Active UOA is not changed.

#### d. NOTAM Submission

The NOTAM section of the UOA input form indicates your current registration status. A link is provided that displays a dialog window which describes the training requirements and terms and conditions for usage of the service. Agreeing to the service via the dialog window will cause the user to become certified. Registration is valid for 1 year. To view your expiration date, click on the link in the NOTAM section of the UOA form to open the registration dialog window. When your registration expires, you will be required to re-register before being permitted to file a UOA with an associated NOTAM.

Prior to registration for NOTAM submission, the NOTAM section will display a link for registering:

**NOTAM Creation and Service Registration (required)**

COA Identifier:

A UAS NOTAM will be submitted on your behalf when clicking the Submit button.

Preview NOTAM

Refer to FAA Guidance regarding submission of NOTAMs for Unmanned Aircraft.

[NOTAM service information and registration.](#)

After successful registration, the NOTAM section will enable controls for allowing NOTAM submission and NOTAM preview:

**NOTAM Creation and Service Registration (required)**

COA Identifier:

A UAS NOTAM will be submitted on your behalf when clicking the Submit button.

Preview NOTAM

Refer to FAA Guidance regarding submission of NOTAMs for Unmanned Aircraft.

[NOTAM service information and registration.](#)

#### To register for NOTAM submission:

1. Click on the link to open the registration dialog window.
2. Review the information presented.
3. If you have reviewed the training video, check the applicable checkbox.

4. If you agree to the terms and conditions, check the applicable checkbox.
5. Click the “Register” button.
  - a) Note: The “Register” button will not be enabled until both of the above checkboxes have been checked.

UAS NOTAM Services Registration dialog window to register for NOTAM submissions.

**UAS NOTAM Service Registration**

### Automated UAS NOTAM Service


Registration Status: **Not Registered**

The Flight Services Automated UAS NOTAM Service generates and submits UAS NOTAMs.

You must register for this service to generate and submit the appropriate UAS NOTAM(s) required to create a UOA. NOTAM(s) will be submitted 72 hours prior to the UOA start time and an email confirmation will be sent to you.

Registration is effective for one year. After one year, you will be required to re-register.

To register, complete these steps:

1. Review this training video.  

2. Review the disclaimer.

- The Automated UAS NOTAM Service is for use only by UAS operators that are required by a Certificate of Authorization (COA) to submit Unmanned Aircraft Airspace NOTAMs for their operations.
  - The Automated UAS NOTAM Service is an FAA-authorized alternative to contacting Flight Service via telephone to submit required NOTAMs.
  - Operators must comply with all terms of their COA(s), including the timing of NOTAM submission and limiting operations only to authorized locations.
  - Operators must only submit NOTAMs for actual operations, and NOTAMs must be associated with the appropriate COA.
3. Acknowledge viewing the training video and agree to the disclaimer.

☐ I have reviewed the training video.

☐ I agree to and accept the disclaimer.

**To unregister for NOTAM submission:**

1. Click the link to open the registration dialog window
2. Click the “Cancel Registration” button

UAS NOTAM Services Registration dialog window to unregister for NOTAM submissions. The UAS registration is effective for one year. Once you have registered your Registration Status will change from Not Registered to Registered and the expiration date will be displayed with the Registration Status information.

## UAS NOTAM Service Registration

### Automated UAS NOTAM Service

Registration Status: **Registered**. Expiration date: **05/28/2020**

The Flight Services Automated UAS NOTAM Service generates and submits UAS NOTAMs.

You must register for this service to generate and submit the appropriate UAS NOTAM(s) required to create a UOA. NOTAM(s) will be submitted 72 hours prior to the UOA start time and an email confirmation will be sent to you.

Registration is effective for one year. After one year, you will be required to re-register.

To register, complete these steps:

1. Review this training video.



2. Review the disclaimer.

- The Automated UAS NOTAM Service is for use only by UAS operators that are required by a Certificate of Authorization (COA) to submit Unmanned Aircraft Airspace NOTAMs for their operations.
- The Automated UAS NOTAM Service is an FAA-authorized alternative to contacting Flight Service via telephone to submit required NOTAMs.
- Operators must comply with all terms of their COA(s), including the timing of NOTAM submission and limiting operations only to authorized locations.
- Operators must only submit NOTAMs for actual operations, and NOTAMs must be associated with the appropriate COA.

3. Acknowledge viewing the training video and agree to the disclaimer.

- ☒ I have reviewed the training video.
- ☒ I agree to and accept the disclaimer.

Register

Cancel Registration

Close

## 12. SMS Text Messaging Service

Leidos Flight Service provides weather conditions via SMS Text Message. Pilots may request weather reports by texting 358-782 (FLTSVC). Pilots with a Canadian or Iridium Satellite phone number can text the toll-free number at 855-934-0038 for weather reports. All commands are case-insensitive. The valid commands are “METAR”, “TAF”, and “ACU”.

### a. METAR and TAF

To request the METAR for an airport text “METAR” or “M” followed by the airport code.

METAR BWI

KBWI 242054Z VRB05KT  
10SM FEW070 BKN250 28/09  
A2996 RMK AO2 SLP143  
T02780094 56019 =

To request the TAF for an airport text “TAF” or “T” followed by the airport code.

TAF BWI

TAF AMD KBWI 242056Z  
2421/2524 20005KT P6SM  
FEW060 BKN250  
FM250100 30004KT P6SM  
SCT080 BKN120  
FM250200 02009G16KT  
P6SM SCT060 BKN110  
FM250300 02015G25KT  
P6SM SCT060 BKN090  
FM250900 01011G18KT  
P6SM FEW050 SCT140  
FM251500 02009G15KT  
P6SM FEW250  
FM252300 04006KT P6SM  
FEW250 =

For either command, append "PT" to the command to receive the report in plain text.

MBWI PT

Current conditions at KBWI,  
issued May 24 at 2054Z. Wind  
is variable at 5 knots, 10  
statute miles visibility, Few  
Clouds at 7,000 feet, Ceiling is  
Broken at 25,000 feet,  
Temperature 28°C, Dewpoint  
9°C, Altimeter is 29.96.  
Remarks: automated station  
with precipitation discriminator  
sea level pressure 1014.3  
hectopascals hourly temp  
27.8°C dewpoint 9.4°C 3-hour  
atmospheric pressure  
decreasing then steady; or  
decreasing then decreasing  
more slowly by 1.9  
hectopascals

Both reports may be obtained at once by texting "MT" followed by the airport code.

MT BWI

KBWI 242054Z VRB05KT  
10SM FEW070 BKN250 28/09  
A2996 RMK AO2 SLP143  
T02780094 56019 =

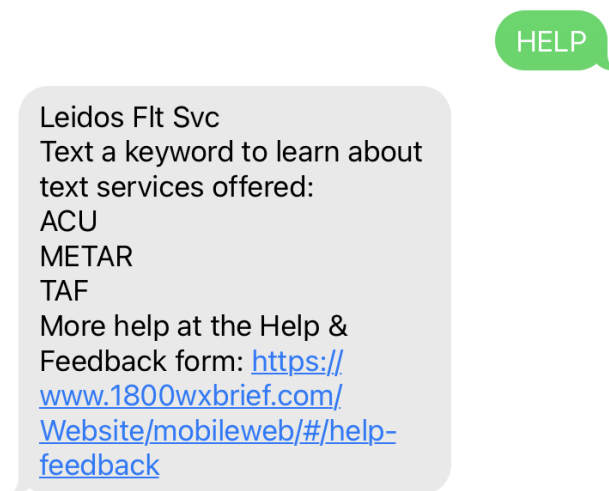
TAF AMD KBWI 242056Z  
2421/2524 20005KT P6SM  
FEW060 BKN250  
FM250100 30004KT P6SM  
SCT080 BKN120  
FM250200 02009G16KT  
P6SM SCT060 BKN110  
FM250300 02015G25KT  
P6SM SCT060 BKN090  
FM250900 01011G18KT  
P6SM FEW050 SCT140  
FM251500 02009G15KT  
P6SM FEW250  
FM252300 04006KT P6SM  
FEW250 =

#### **b. Adverse Condition Updates (ACU)**

Text "ACU," to receive a summary of any new adverse conditions for upcoming flights. If there are none, a positive indication that there are no new conditions reported will be sent. This service allows pilots to check if there are any new Adverse Conditions or TFRs since they filed a flight plan. This content is recorded and can be used to provide confirmation that they received the most up-to-date adverse conditions for their flight.

#### **c. Help**

To request more information about the text message options, text "Help". The reply will ask for a command to provide help for. Text either "METAR", "TAF", or "ACU" to receive information about the relevant command.



#### **d. Activating and Closing Flight Plans**

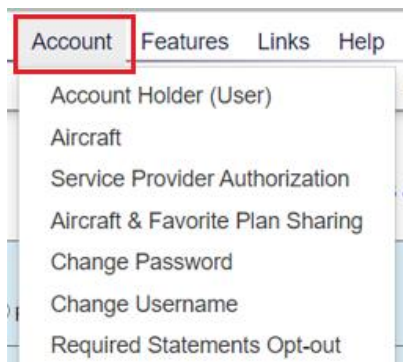
Flight plans can be activated and closed via SMS messages using the EasyActivate™ EasyClose™ service.

See **Section 6.1.b** for more information.

### **13. Account**

Hovering over the Account menu displays the links shown below.

- Account Holder (User)
- Aircraft
- Service Provider Authorization
- Aircraft & Favorite Plan Sharing
- Change Password
- Change Username



#### a. Account Holder (User)

The top of the page is a prolog which describes the benefits provided by the page.

**Account Holder (User)**

The information provided here will improve the flight services you receive in these ways:

- Name and primary phone number will automatically be populated into flight plans.
- Specialists will have access to this information to support Search and Rescue.
- When calling for service from a number below, specialists will automatically see who is calling, to speed your service.
- Contact information below will be available for your use when registering for services, such as ACAS and SE-SAR.

Your personal information is protected.

The first section is the **Username** box.

**Username**

Username: test@user.com [Change Username](#)

In this section, the pilot's current user name is shown in the Username field which is the email address used to login to the Website. The user may change their username by clicking on the "Change Username" link. Once clicked, the user will be directed to the "Change Username" page.

The second section is the **Name** box.

**Name**

First Name:

Middle Initial:

\* Last Name / Organization: TESTER

Suffix:

In this section, pilots enter the details of their name. Please note that pilots can update any field in this section at a later date if needed.

- Pilots can enter their first name in the First Name field which can be special characters, numbers and space with maximum length of 15 characters. Please note that this field is optional and can be left blank.
- Pilots can enter their middle initial in Middle Initial field which can be a special character or number with maximum length of 1 character. Please note that this field is optional and can be left blank.

- Pilots can enter their last name in the Last name field which can be special characters, numbers and space with maximum length of 40 characters.
- Pilots can enter their name suffix in the Suffix field which can be special characters, numbers and space with maximum length of 4 characters. Please note that this field is optional and can be left blank.

The third section is the **Pilot Details** box.

In this section there are three fields: Certification, Logged Hours, and Instrument Rated. These fields are optional and can be updated at a later date if needed.

- Pilots can select their certification from the Certification drop down box.

- Pilots can record the hours they have flown in the Logged Hours field. Only numbers can be entered in this field with maximum length of 6 characters.
- Pilots can indicate if instrument rated by checking the box Instrument Rated. This can be checked later once instrument rated is achieved.

The fourth section is the **Address** box.

In this section there are six fields for pilots to record the details of their address. All these fields can be left blank or updated at a later date if needed. However, if one of these fields is filled out, the user must enter all other fields with the exception of Address (line 2).

- Pilots can enter their street address in the Address (line 1) field which can be special characters, numbers and space with maximum length of 50 characters.
- Pilots can enter additional address information in the Address (line 2) field which can be special characters, numbers and space with maximum length of 50 characters. This can be used if the address does not fit in the Address (line 1) field.
- Pilots can enter the city where they live in the City field which can be special characters, numbers and space with maximum length of 25 characters.



- Pilots can select the state or province where they live from the State/Prov field drop down box. Pilots also have the option to enter the first letter and it will display the first state or province that starts with that letter. If there are more than one state or province starting with that letter, hitting the letter again will cycle through the different choices. Example if M is selected then Maine is displayed; if you press the M key more than once it will cycle through the other states or provinces that start with the letter M - Maryland, Massachusetts, Michigan etc.

- Pilots can select the country where they live from the Country field drop down box. Currently, the 3 choices are - United States of America, Canada or blank.

- Pilots can enter their zip code in the Postal Code field which can be special characters, numbers and space with maximum length of 10 characters.

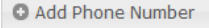
The fifth section is the **Primary Phone Number** box.

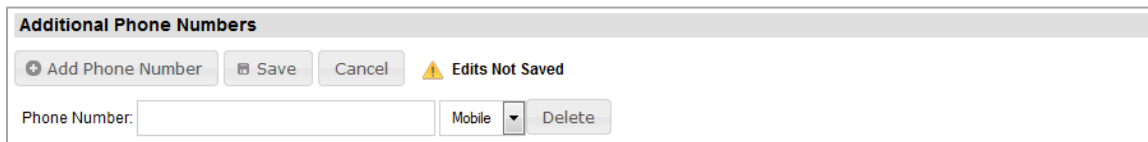
In this section pilots must provide one primary phone number.


- Pilots can enter their primary phone number in the Phone Number (Primary) field which can be numbers or (xxx) xxx-xxxx format with maximum length of 15 characters. Next to the Phone Number (Primary) field is a drop down box to select the phone type.

The sixth section is the **Additional Phone Numbers** box.

Nine additional phone numbers may be added.

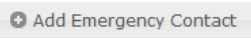
Pilots can click on  to add additional phone numbers following the same format as described above for primary phone number.

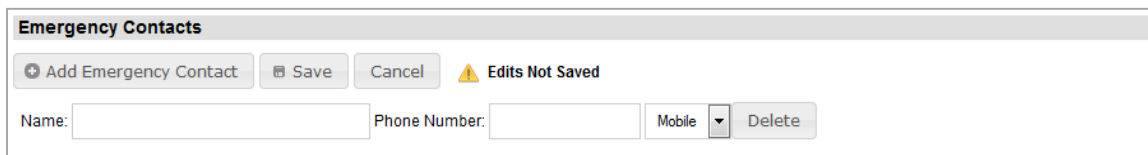


To delete any additional phone numbers click on the  .


The seventh section is the **Emergency Contacts** box.



In this section pilots can click on  to add optional emergency contacts. Nine additional emergency contacts may be added.



- Pilots can enter their emergency contact name in the Name field which can be special characters, numbers and space with maximum length of 51 characters.
- Pilots can enter their emergency contact phone number in the Phone Number field which can be numbers or (xxx) xxx-xxxx format with maximum length of 15 characters. Next to the Phone Number field is a drop down box to select the phone type.

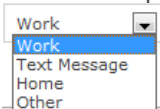
To delete any additional phone numbers click on the  .

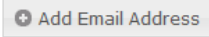
The last section on this page is the **Email Addresses** box.

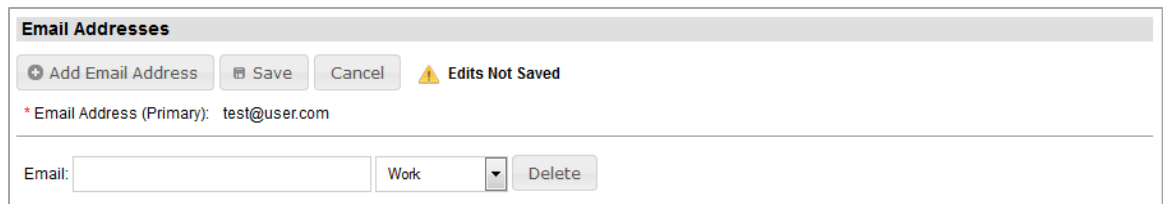


In this section the pilot's primary email address is shown in the Email Address (Primary) field. Nine additional email addresses may be added.

- Email address must include a @ sign in the Email Address (Primary) field which can be special characters, numbers and letters. Next to the Email Address (Primary) field is a drop down box to select the email type.



Pilots can click on  to add additional email addresses following the same format as described above for primary email address.




**Email Addresses**

⚠ Edits Not Saved

\* Email Address (Primary): test@user.com

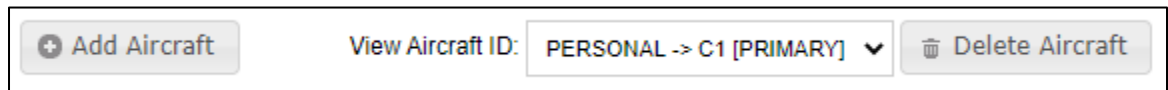
---

Email: 
 Work

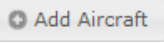

To delete any additional email addresses click on the .

## b. Aircraft

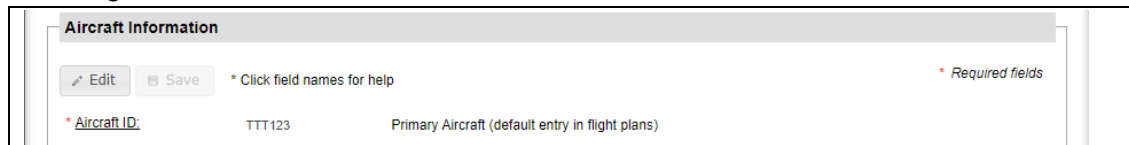
For each aircraft there are two sections: Aircraft Information and Aircraft Performance. The first aircraft that is added will automatically be set as the primary aircraft.



View Aircraft ID: PERSONAL -> C1 [PRIMARY]

Pilots can click on  to add additional aircraft. To delete the currently viewed aircraft, click on the .


To set another aircraft as primary, the Aircraft ID must be selected from the “View Aircraft ID:” drop down. Information for the selected aircraft will be presented for viewing.



**Aircraft Information**

\* Click field names for help
 \* Required fields

\* Aircraft ID: TTT123 Primary Aircraft (default entry in flight plans)

Click the  button to allow changes to the aircraft information including the selection ☒ **Set as Primary Aircraft (default entry in flight plans)**. Selecting the Primary Aircraft checkbox and then saving, will set the currently viewed aircraft as primary.

The first section is the **Aircraft Information** box.

In this section pilots can enter the details of their aircraft. Please note that pilots can update any field in this section at a later date if needed. The information from this section will be pre-populated in the corresponding fields on the Plan & Brief page whenever the Aircraft ID is selected.

If an aircraft has a Position Reporting Device installed, it may be entered below. Portable Position Reporting Device can be added from Dashboard->Advanced Services Dashboard.

Note: If Garmin inReach (DeLorme) is selected, an authentication code (provided by Garmin inReach (DeLorme)) must be appended to the device ID in order for the aircraft to be successfully saved to the profile. Enter the IMEI (device ID), a hyphen, and the 5 digit authentication code (no spaces). Each installed and portable special device must have a unique device ID. Duplicates are not allowed.



The second section is the **Aircraft Performance** box.

In this section pilots can enter the performance data of the aircraft previously entered into the **Aircraft Information** section. Please note that pilots can update the fields in this section at any time for an aircraft in their profile.

The performance data entered in the Aircraft Performance section is used when generating Navigation Logs, Route Briefings, Altitude Optimization, EET calculation, and Departure Time Evaluation. The availability of the performance data will improve the fuel consumption estimates and accuracy of the time enroute calculations provided in the Navigation Log and Altitude Optimization dialogs. It will improve the accuracy of the estimated intersection times provided in the NextGen Route Briefings and the Evaluate Departure Time dialog. Aircraft performance data is not required. If aircraft performance data is not provided the fuel consumption will not be calculated. The time enroute and estimated intersection times will be based on the airspeed provided in the flight plan and will not include the aircrafts climb and descend characteristics. Following sections constitute Aircraft's Performance profile.

- Startup/Taxi Fuel Burn
- Climb Performance
- Cruise Performance
- Descent Performance

**Aircraft Performance**  
\* Note: If data is entered in one aircraft performance field, then all aircraft performance fields become required.  

Edit Save

  
Fuel Units: Gallons  
Startup/Taxi Fuel Burn:  
**Climb Performance**  
Airspeed: knots  
Fuel Burn Rate: gallons/hour  
Climb Rate: feet/minute  
**Cruise Performance**  
Fuel Burn Rate: gallons/hour  

Provide Hourly Burn Rates What's this?

  
**Descent Performance**  
Airspeed: knots  
Fuel Burn Rate: gallons/hour  
Descent Rate: feet/minute

- **Startup/Taxi Fuel Burn**  
Fuel used during startup/taxi which will be added to the fuel used in the first leg of the flight.  
*Fuel Consumed* - representing units selected above in the format, 1-6 digits; minimum 0.1, maximum 99999.9.

- **Climb Performance**

Parameters used to calculate the fuel burn for the climb portion of the flight plan.  
*Airspeed* - representing knots in the format, 1-4 digits; minimum 1, maximum 3700.

*Fuel Burn Rate* - representing units selected above in the format, 1-6 digits; minimum 0.1, maximum 99999.9.

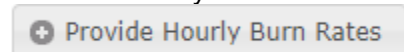
*Climb Rate* - representing ft/min in the format 1-5 digits; minimum 1, maximum 99999.

- **Cruise Performance**

Parameter used to calculate the fuel burn for the cruise portion of the flight plan.

*Fuel Burn Rate* - representing units selected above in the format, 1-6 digits; minimum 0.1, maximum 99999.9.

To enter hourly fuel burn rates, click on the following button:



Fuel Burn Rate for Cruise Performance can be entered in increments of hours for a total of 8 hours. These values enable the system to improve the accuracy of the fuel consumption estimate. If a flight exceeds the total number of Hourly Burn Rate entries, the system will use the last hourly entry for the remainder of the cruise portion of the flight. If Hourly Burn Rates are not provided, the system will use the single Cruise Performance Fuel Burn Rate for the cruise portion of the flight.

Cruise Performance

Fuel Burn Rate:

Hour 1:

321

gallons/hour

Hour 2:

320

Hour 3:

300

Hour 4:

280

Hour 5:

230

Hour 6:

200

Hour 7:

170

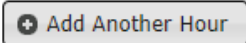
Hour 8 & beyond:


150

Delete

Add Another Hour

[What's this?](#)

Hourly Fuel Burn Rates can be added, up to a maximum of 8 hours, by clicking on the  button.

By clicking the  button, the last Hourly Fuel Burn Rate entered in aircraft's profile can be deleted.

- Descent Performance**  
Parameters used to calculate the fuel burn for the descent portion of the flight plan.  
*Airspeed* - representing knots in the format, 1-4 digits; minimum 1, maximum 3700.  
*Fuel Burn Rate* - representing units selected above in the format, 1-6 digits; minimum 0.1, maximum 99999.9.  
*Descent Rate* - representing ft/min in the format 1-5 digits; minimum 1, maximum 99999.

**c. Service Provider Authorization**

This page has a list of service providers that are available for selection. For you to use external flight service providers, you must authorize them to work with Leidos Flight Service on your behalf in order to perform actions using your Pilot Web account. These actions can include, but are not limited to, flight planning actions, weather data retrieval, and Pilot Web account updates. You can authorize any number of service providers based on your preference.

Service Provider Authorization

By authorizing your participating service provider here, their actions on your behalf will be connected to your account, so that:

- You can access on this website flight plans filed on your behalf. This includes viewing, amending, activating, cancelling, and closing those flight plans; it also includes receiving briefings, briefing updates, and alerts for those flight plans.
- Flight plans filed on your behalf can use the advanced services for which you have registered.
- When you call a specialist, your profile can be used to provide faster service.
- Your service provider can make limited updates to your profile for you (aircraft information, service registrations, account sharing, portable position device information).
- If multiple service providers are authorized, they can each view the actions provided on your behalf by any of the other authorized service providers.

Your personal information is not shared with your service provider.

To authorize your service provider select "Edit" then select the provider's "Yes" radio button, then select "Save".

Edit

Save

Authorized	Service Provider
<input type="radio"/> Yes <input checked="" type="radio"/> No	iFlightPlanner & iFlightPlanner for AOPA
<input type="radio"/> Yes <input checked="" type="radio"/> No	135ACM
<input type="radio"/> Yes <input checked="" type="radio"/> No	AeroWeather
<input type="radio"/> Yes <input checked="" type="radio"/> No	Airmate
<input type="radio"/> Yes <input checked="" type="radio"/> No	Airplane Manager
<input type="radio"/> Yes <input checked="" type="radio"/> No	AvNav
<input type="radio"/> Yes <input checked="" type="radio"/> No	Avare EFB

**d. Aircraft & Favorite Plan Sharing**

This page allows pilots to share their favorite flight plans and aircraft profiles with other users. When sharing, the user will be able to view your Aircraft from the Account->Aircraft page. The user will also be able to view and select both your Favorite Flight Plans and/or Aircraft from the Flight Planning page.

**Aircraft & Favorite Plan Sharing**
[What's this?](#)

Account Sharing Code
Off
On

Add Pilot
Username
First
Last
Save

**Users I Share With**

Account Username	Pilot First Name	Pilot Last Name	
test0@test.com	Zara	Smith	Delete

Enter Code
Request Sharing

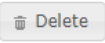
**Users Sharing With Me**

Account Username	Pilot First Name	Pilot Last Name	
None			

Pilots can share using two different methods:

1. Use the Add Pilot section to enter the pilots username, first name, and last name and press the Save button. Inputted email address is validated syntactically and semantically to check if the username exists.
2. Turn on the Account Sharing Code to generate a sharing code. Provide this code to other pilots who can then enter it in the "Users Sharing With Me" section. Once they enter the code you will see these pilots listed as Users I Share With.

Pilots can stop sharing using two different methods:

1. To stop sharing with an individual user, click on  next to the name of that user.
2. Turning off the Account Sharing Code will remove all users that requested sharing via that sharing code. Turning the Account Sharing Code back on will generate a new code which will need to be provided to the pilots you wish to share with.

#### e. Change Password

Reference section [Change Password](#)

#### f. Change Username

Reference section [Change Usernames](#)

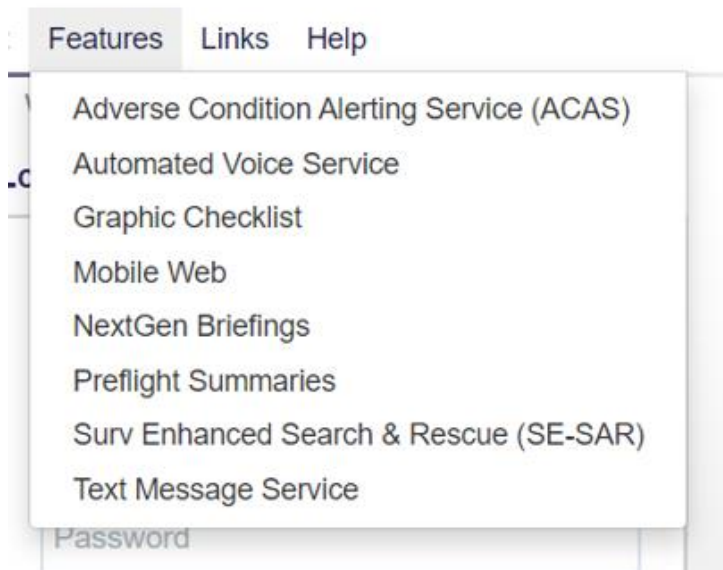
## 14. Features

Hovering over the Features menu displays the links shown below.

- Adverse Condition Alerting Service (ACAS)
- Automated Voice Service
- Graphic Checklist
- Mobile Web
- NextGen Briefings



- Preflight Summaries
- Surv Enhanced Search & Rescue (SE-SAR)
- Text Message Service



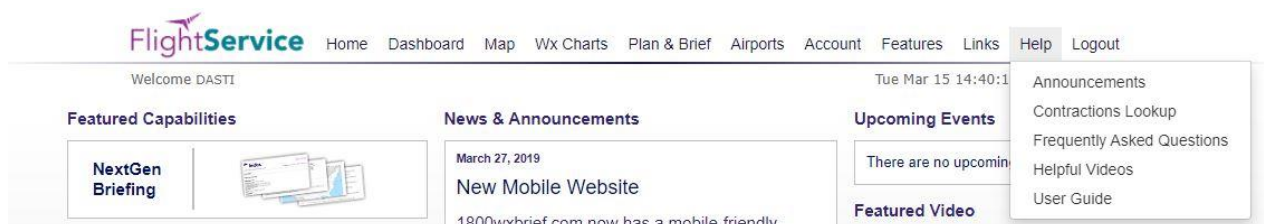
## 15. Links

Hovering over Links in the menu bar causes a drop-down to appear containing links for navigating to external websites with FAA, weather, and general aviation resources.

## 16. Help

Hovering over Help in the menu bar causes a drop-down menu to be displayed. It contains the links shown below.

- Announcements
- Contractions Lookup
- Frequently Asked Questions
- Helpful Videos
- User Guide



- Selecting Announcements will display the announcements page for the Leidos Flight Service (LFS) Website.

- Selecting Contractions Lookup will display the page allowing the user to encode or decode Contractions, Company Codes, or Country Codes.

Search For:

☒ Contraction  
☐ Company Code  
☐ Country Code

Show Full List

Enter Search Term:

Show Plain Language

Show Contraction

**To decode a Contraction:**

1. Select the "Contraction" radio button
2. Enter the Contraction into the text box
3. Press enter or click "Show Plain Language"

**To decode a Company Code:**

1. Select the "Company Code" radio button
2. Enter the Contraction into the text box
3. Press enter or click "Show Plain Language"

**To encode a Contraction:**

1. Select the "Contraction" radio button
2. Enter the word you want to encode into the text box
3. Click "Show Contraction"

**To encode a Company Name or Company Callsign:**

1. Select the "Company Code" radio button
2. Enter the name you want to encode into the text box
3. Click "Show Contraction"

#### Misc. Aircraft Types

Type	Designator
Balloons	BALL
Gliders, sailplanes	GLID
Ultralight/microlight autogyro's	GYRO
Airships	SHIP
Ultralight/microlight helicopters	UHEL
Ultralight/microlight aircraft	ULAC
Aircraft types not (yet) assigned a designator	ZZZZ

#### Homebuilt/Experimental Aircraft

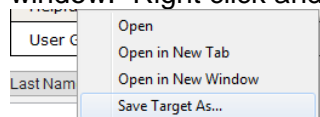
Criteria	Designator	Climb Rate (FPM)	Descent Rate (FPM)	SRS Category
Aircraft with cruise (indicated) airspeeds of 100 knots or less	HXA	500	500	I
Aircraft with cruise (indicated) airspeeds of greater than 100 knots, up to and including 200 knots	HXB	750	750	I
Aircraft with cruise (indicated) airspeeds of greater than 200 knots	HXC	1,000	1,000	I

#### Weight Classes

Code	Type
/S	Small - U.S. designated aircraft of 12,500 lbs or less
/S+	Small 'Plus' U.S. designated aircraft weighing between 12,500 and 41,000 lbs
/Lt	Light ICAO designated aircraft of 15,500 lbs or less
/L	Large U.S. designated aircraft of more than 41,000 lbs, up to 255,000 lbs
/M	Medium ICAO designated aircraft of more than 15,500 lbs and less than 300,000 lbs
/H	Heavy U.S. designated aircraft of 255,000 lbs or more. ICAO designated aircraft of 300,000 lbs or more

Military Type Designators	
Symbol	Type
A	Attack
B	Bomber
C	Cargo/Transport
E	Special Electronic Installation
F	Fighter
H	Helicopter
K	Tanker
O	Observation
P	Patrol
R	Reconnaissance
S	Antisubmarine
T	Trainer
U	Utility
V	VTOL and STOL
W	Weather Reconnaissance
X	Research
Z	Airship

- Selecting Frequently Asked Questions will display answers to Frequently Asked Questions about the LFS Website.
- Selecting Helpful Videos will display the Training Videos page in a new tab or window. This link is also available toward the bottom of the LFS Web logon page entitled: [Helpful Videos](#).
- Selecting User Guide will display the LFS Web User Guide in a new tab or window. Right click and select Save Target As... to save a copy of help.pdf



## 17. Login



To be redirected to the home page for login, click “Home” at the far left of the menu bar. If you are already logged in, the login section requesting for your credentials does not appear on the home page.

## 18. Logout



To logout, click “Logout” at the far right of the menu bar. If you are not logged in, “Logout” does not appear in the menu bar.