

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.

[Privacy Statement](#)

[User Disclaimer](#)

[Contact Us](#)

[1-800-WX-BRIEF](#)

[Feedback & Suggestions](#)

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How are we doing?

We sincerely value your input! Please let us know about your experiences by filling out and submitting the form below.

Leidos Flight Service Customer Feedback

Please indicate the nature of your feedback:

* Type of feedback:

Please indicate the specific service used. For multiple services, please select "Other" and specify the services in the text-entry field provided:

* Type of service:

Describe "Other":

Click on the Event Date field below to select date of event:

Time of event (24-Hour Zulu format: 0000-2359)

* Event Date:

* Event Time (UTC):

Please select the AFSS or other entity to which your feedback is applicable.

* AFSS Facility:

Please provide your aircraft identification or call-sign. (Optional but, applicable, your aircraft identification and/or call-sign would be very useful in researching your feedback):

Tail Number:

Call Sign:

To submit feedback anonymously, leave name, email and phone number fields blank. To get a follow-up response from Flight Service, please provide your name and email address or a daytime phone number, including area code and country code if not USA.

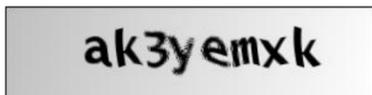
Name:

Email Address:

Phone Number:

* Please provide your comments below:

* Confirm image text below:



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

* Indicates required field

Please ensure all your data is entered correctly prior to submitting your feedback

Please perform the following steps to provide feedback.

- Select Feedback and Suggestions link near the bottom of the Home page
- Provide answers to feedback questions
- Click Submit Feedback 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.

The screenshot shows the Flight Service 1800wxbrief website. The top navigation bar includes links for Home, Pilot Dashboard, Weather, Flight Planning & Briefing, Airports, UAS, Account, Links, and Help. The main content area is divided into several sections: 'New Capabilities' featuring a map and a 'NEW Interactive Map' link; 'News & Announcements' with three news items dated May 9, 2018, and May 8, 2018; 'Resources' with links to 'Third Party Provider Program', 'How-To Videos', 'Pilot Tip Cards', 'Phone Numbers & Quick Steps', and 'Flight Service Twitter'; and a 'Login' box. The 'Login' box contains fields for 'Username' (with placeholder 'Your Email Address') and 'Password', a blue 'Login' button, a 'Forgot/Reset' link, and a 'Create New Account' link highlighted with a red box. The footer includes 'Privacy Statement', 'User Disclaimer', 'Contact Us', '1-800-WX-BRIEF', 'Feedback & Suggestions', and '©2019 Leidos'.

The close-up shows the login form with the following elements: a 'Username' label above a text input field containing the placeholder 'Your Email Address'; a 'Password' label above a text input field containing the placeholder 'Password'; a blue 'Login' button; a 'Forgot/Reset' link; and a 'Create New Account' link highlighted with a red box.

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
<input type="text"/>	<input type="text"/>
Last Name or Organization	Phone Number <input type="text"/> Mobile <input type="button" value="v"/>
<input type="text"/>	
Aircraft ID (optional)	Home Base Phone Number
<input type="text"/>	<input type="text"/>
Confirm Image Text Below	
<input type="text"/>	

58cx8xp5

Cannot read the image? [Click it to get a new one.](#)
Text is case-insensitive.

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

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.

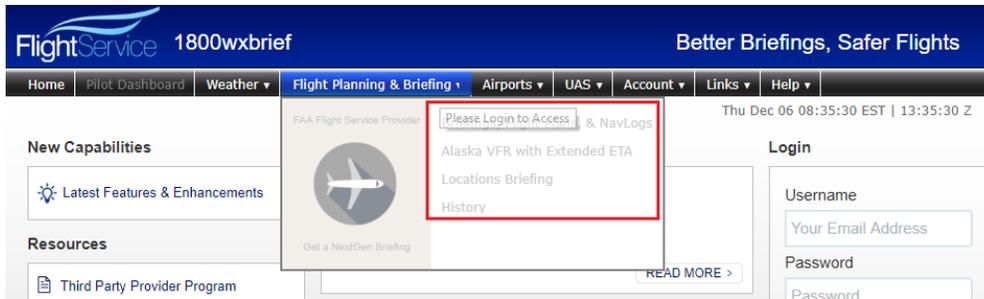
Username

Password

[Forgot/Reset](#)

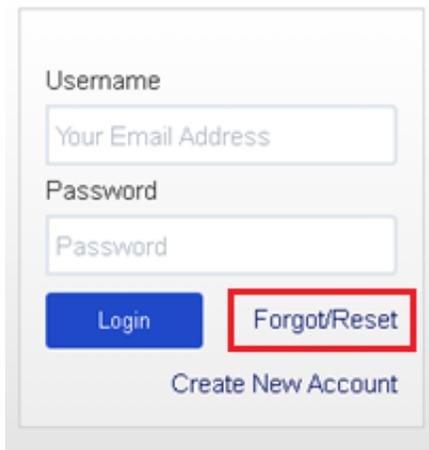
[Create New Account](#)

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.

Change Password
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:

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.

Confirmation

Password successfully changed.

Please retain your User Name (Email Address) and Password for future use.

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.

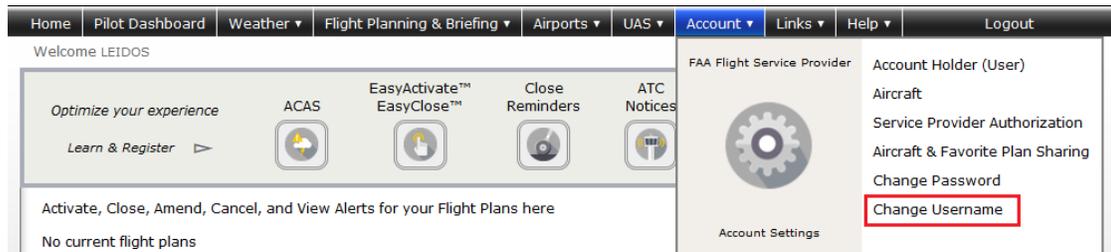
* Password:

* Confirm Password:

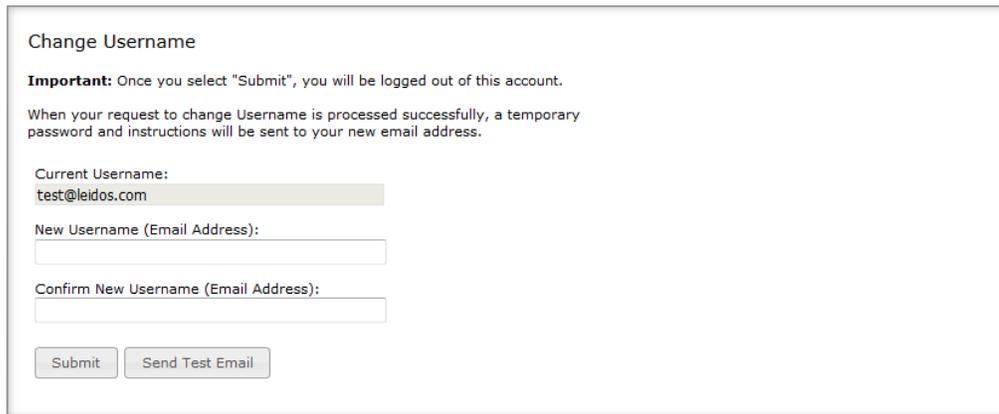
Save

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.

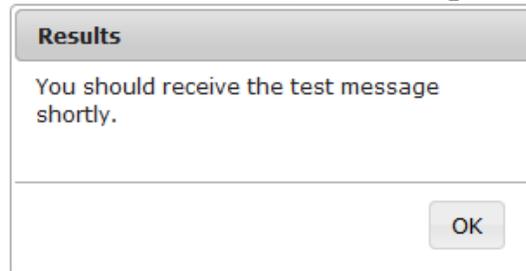


The screenshot shows a web form titled "Change Username". At the top, there is an **Important** notice: "Once you select 'Submit', you will be logged out of this account." Below this, a note states: "When your request to change Username is processed successfully, a temporary password and instructions will be sent to your new email address." The form contains three input fields: "Current Username:" with the value "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 screenshot shows a dialog box titled "Results". The text inside the dialog 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:

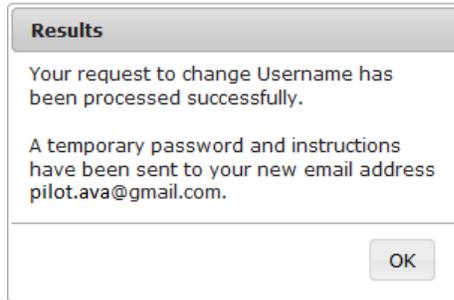
- Leidos Flt Svc Notification

Message received will be similar to the following:

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

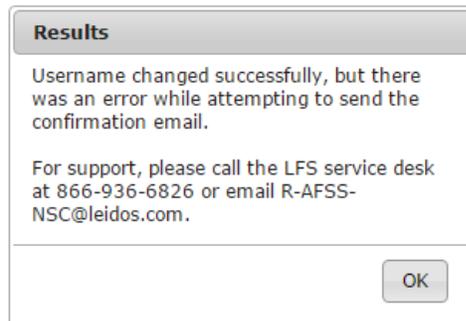
When the “OK” button is selected in the dialog, the change username page remains displayed.

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



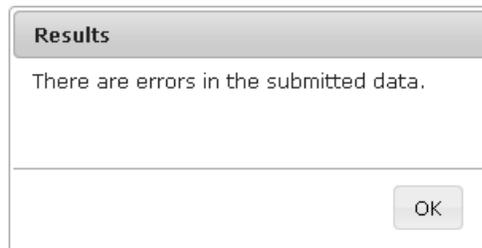
The user is sent a confirmation email containing a temporary password and further instructions. When the "OK" button is selected in the dialog, the user is logged off his or her session, and redirected to the home page where the user may log in using the new username and temporary password sent via email.

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:



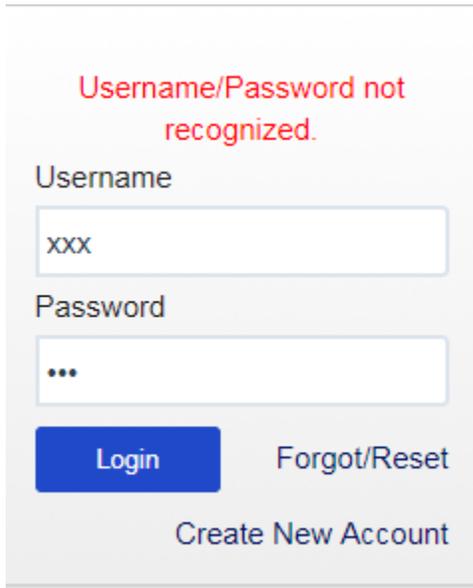
When the "OK" button is selected in the dialog, the change username page remains displayed with one of the following failure messages:

- 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 following screen:



Username/Password not recognized.

Username

xxx

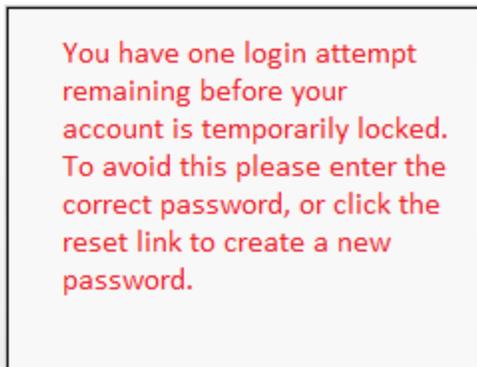
Password

...

Login Forgot/Reset

Create New Account

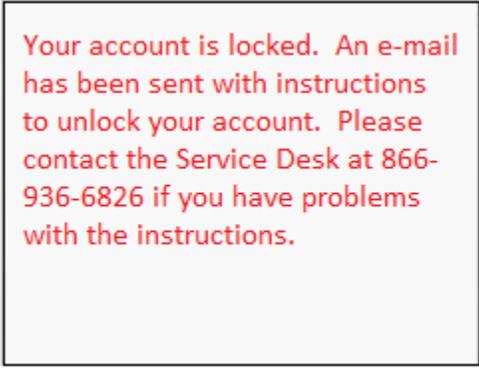
If you are using a valid Username, but an invalid password, there is a limit to the number of consecutive login failures. When the next failure will cause your account to be locked, the message above the Username entry will be:



You have one login attempt remaining before your account is temporarily locked. To avoid this please enter the correct password, or click the reset link to create a new password.

After receiving this message, you must enter the current password correctly or your account will become locked. Using the “Forgot/Reset” link will change your password and provide a temporary password in an email. Using the “Forgot/Reset” link before your account is locked provides several opportunities to enter the temporary password correctly before your account is locked again.

Once you have entered an incorrect password more than permitted number of consecutive times, your account will be temporarily locked the message above the "Username field will be:

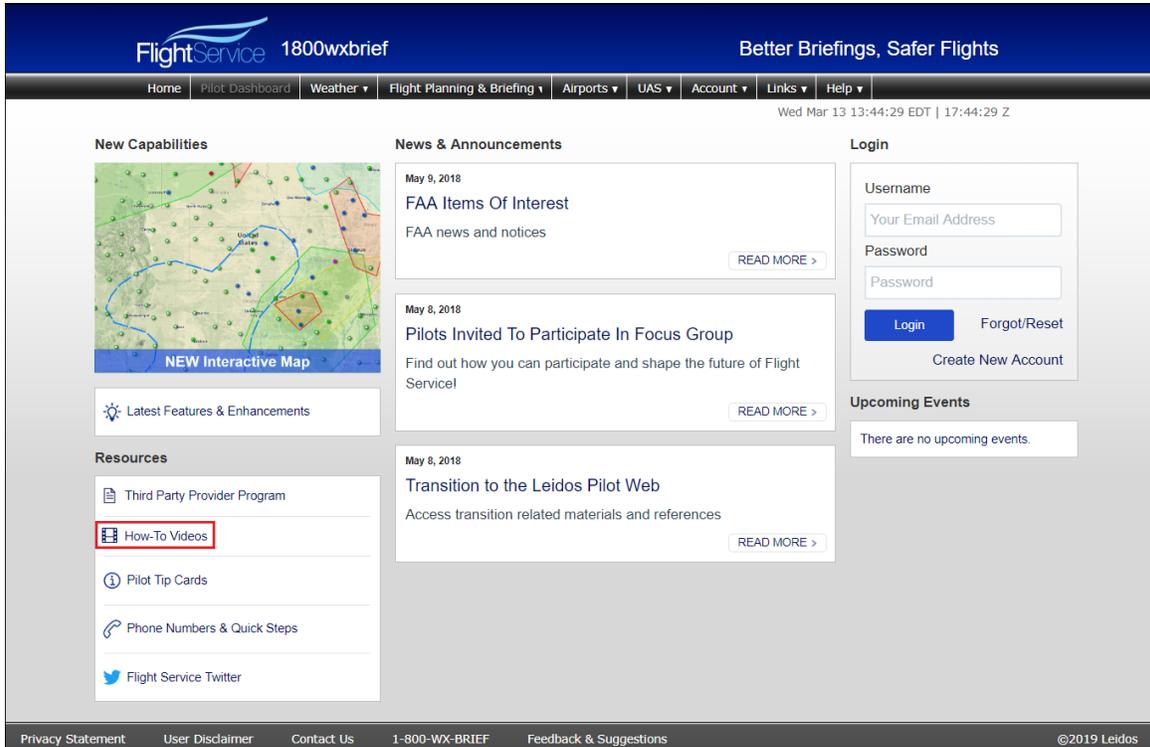


Your account is locked. An e-mail has been sent with instructions to unlock your account. Please contact the Service Desk at 866-936-6826 if you have problems with the instructions.

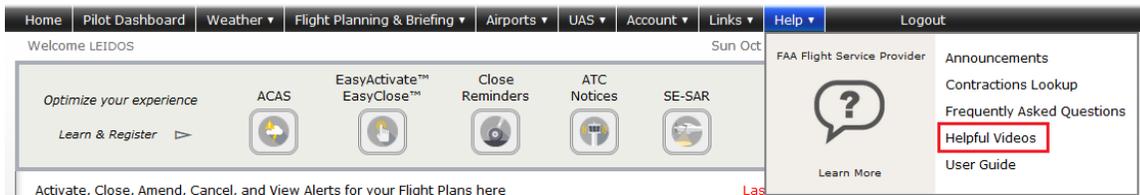
An e-mail will be sent once each time your account is locked. The e-mail contains instructions to unlock your account. Unlocking the account does not change the password. The "Forgot/Reset" link that changes passwords will not reset a locked account.

3. Helpful Videos

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



You can also select Helpful Videos from the Help menu.



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 contact Leidos Flight Service Support Desk: 1-866-936-6826 or email R-AFSS-NSC@leidos.com.



Contact Us

For Website support, contact the Service Desk:

- Phone: 866-936-6826
- Email: R-AFSS-NSC@leidos.com

To aid in answering your questions, where you can, please provide the following information:

- Username (email address)
- Preferred method of contact (phone or email)
- Date and time of the problem
- Aircraft ID

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

Website and Specialist support are available 24 hours/day, 7 days/week.

Server: RKP001

Release: fs21.FltScape Server - CI Build.trunk.2993.2017-02-15T17:00:00.991Z, pw.PilotWeb CI Build.trunk.4632.2017-02-15T19:13:33.591Z

OK

5. Home Page

a. News and Information

The Home page contains news and information about Leidos Flight Service. On this page are New Capabilities, Resources, News & Announcements, and Upcoming Events. 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.

The screenshot shows the Leidos Flight Service 1800wxbrief website. The header includes the logo and tagline "Better Briefings, Safer Flights". The navigation menu includes: Home, Pilot Dashboard, Weather, Flight Planning & Briefing, Airports, UAS, Account, Links, and Help. The date and time are displayed as "Wed Mar 13 13:44:29 EDT | 17:44:29 Z". The main content area is organized into several columns. The "News & Announcements" section is highlighted with a red box and contains three items: "FAA Items Of Interest" (dated May 9, 2018), "Pilots Invited To Participate In Focus Group" (dated May 8, 2018), and "Transition to the Leidos Pilot Web" (dated May 8, 2018). The "Login" section includes fields for Username and Password, a Login button, and links for Forgot/Reset and Create New Account. The "Upcoming Events" section states "There are no upcoming events." The footer contains links for Privacy Statement, User Disclaimer, Contact Us, 1-800-WX-BRIEF, Feedback & Suggestions, and a copyright notice for ©2019 Leidos.

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.

The footer of the website contains the following links: Privacy Statement, User Disclaimer, Contact Us, 1-800-WX-BRIEF, Feedback & Suggestions, and a copyright notice for ©2018 Leidos.

c. System Alerts

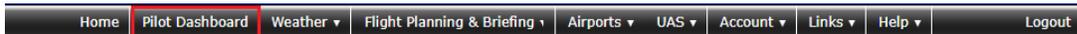
If Leidos Flight Service is experiencing temporary technical difficulties, a message will be displayed on the Home page to notify users of the issue. For example, if there is a US NOTAM Service Interruption, a notification will be displayed below the “Welcome...” message. The following is an example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



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

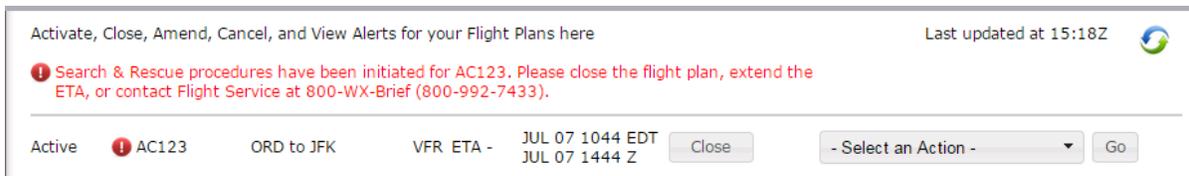
The Advanced Services Dashboard allows the user to register for alerts and notifications.



Any Active or Proposed Flights associated with your profile can be found here along with any graphics including METARs, TAFs, and NOTAMs if configured in your Account -> Display Settings tab.



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 Pilot Dashboard page.

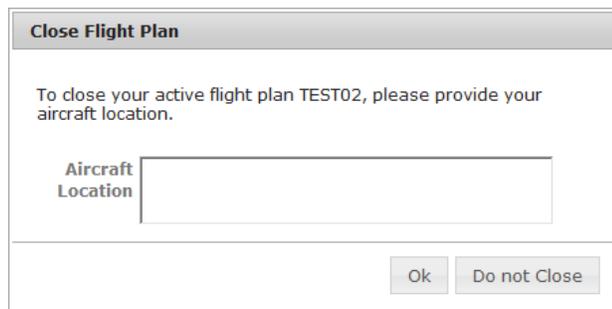


a. Flight Plan List

- 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 **Scheduled Email Brief** 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.



The image shows a dialog box titled "Close Flight Plan". The main text inside the dialog reads: "To close your active flight plan TEST02, please provide your aircraft location." Below this text is a text input field with the label "Aircraft Location" to its left. At the bottom right of the dialog, there are two buttons: "Ok" and "Do not Close".

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 Pilot Dashboard page. When a user clicks on the 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.

Activate Flight Plan TEST02 ATL

Activation time must be within +/- 30 minutes of the current time

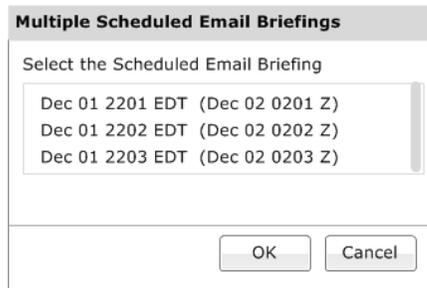
Activation Date (MM/DD/YYYY):

Activation Time (HHMM): ▼

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) Perform a route briefing
 - (b) View the alerts (reference Route alerts for details) for the flight along its route
 - (c) Amend email briefings (if any are associated with the flight)
 - (d) Cancel email briefings (if any are associated with the flight)
 - (2) Active flight plans will have the following options:
 - (a) Cancel the flight plan
 - (b) Activate the flight plan
 - (c) Perform a route briefing
 - (d) View the alerts for the flight along its route
 - (e) Amend email briefings (if any are associated with the flight)
 - (f) Cancel email briefings (if any are associated with the flight).
 - (3) Scheduled email briefings will have the following options:
 - (a) Amend email briefings
 - (b) Cancel email briefings. Reference section **Scheduled Email Brief** for more details on amending and canceling scheduled email briefs. Reference section **Multiple Scheduled Email Briefings Dialog**: for details on trying to amend/cancel email briefs where 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:



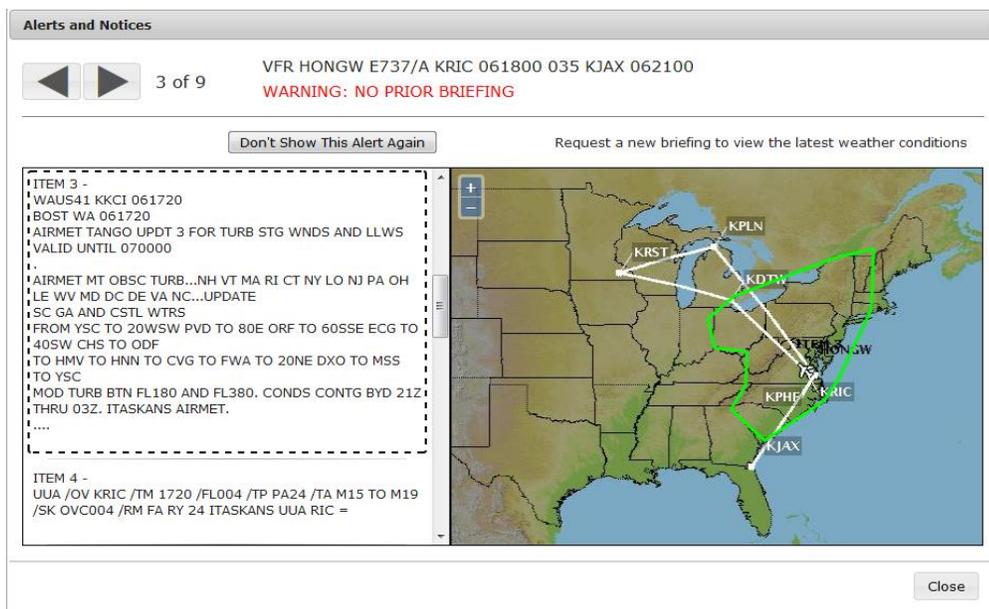
The briefing time for each scheduled email brief is displayed in chronological order. The format for the briefing time is the system time, followed by the UTC time in parenthesis. The user can select one of the times and then press “OK”. At this point the appropriate dialog (View & Amend Email Briefing 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 Pilot Dashboard page if configured in accordance with pilot’s Pilot Dashboard -> Advanced Services Dashboard.

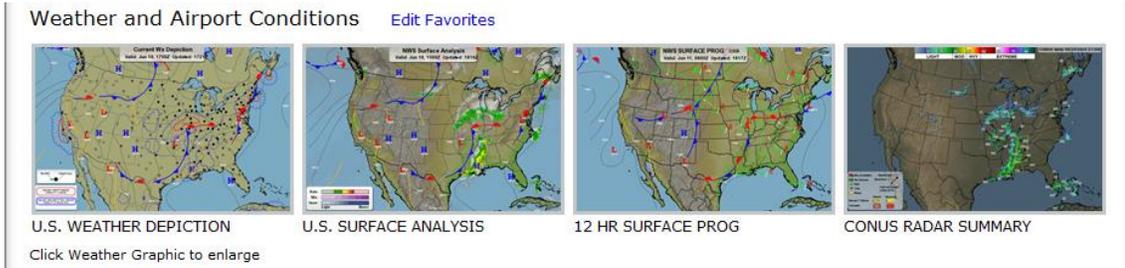
Notices for ATC route changes are available on the Pilot Dashboard page for users that have registered to receive ATC Notices. For more information on registering for ATC Notices, see the "Advanced Services Dashboard" section of this guide.

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.



c. Weather and Airport Conditions

The Weather and Airport Conditions section displays small versions of your favorite weather graphics as shown below. As a new user, the system will provide you with default weather graphics. The default graphics show the most recent versions of US WEATHER DEPICTION, US SURFACE ANALYSIS, 12 HR SURFACE PROG, and CONUS RADAR SUMMARY. Selecting an image will open a new popup window with a larger version of the graphic.



You may change the weather graphics to your own personal selection from Display Settings page by selecting the [Edit Favorites](#) link on the Pilot Dashboard page. In addition, you may click the weather graphic image to enlarge the image.

The Airports section displays METARs, Density Altitude, TAFs and 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 airport briefing may be retrieved for any of these airports by entering an Aircraft ID and clicking the button. Also, as a new user, the METAR, TAF, and NOTAM text is shown by default in plain-text translation.

Plain Text [What's this?](#)

SFO
 DEN
 JFK
 *Aircraft ID:

Airport	Condition	METARs	Density Altitude
SFO	VFR	Jun 10, 1656Z. Wind from 030° at 4 knots, 10 statute miles visibility, Few clouds at 800 feet, Temperature 19°C, Dewpoint 14°C, Altimeter is 29.78. Remarks: AO2 SLP084 T01940144	865 ft
DEN	VFR	Jun 10, 1653Z. Wind is Calm, 10 statute miles visibility, Few clouds at 10,000 feet, Few clouds at 20,000 feet, Temperature 26°C, Dewpoint 2°C, Altimeter is 29.99. Remarks: AO2 SLP093 T02560017	7932 ft
JFK	MVFR	Special, Jun 10, 1731Z. Wind from 150° at 3 knots, 10 statute miles visibility, Scattered Clouds at 1,000 feet, Ceiling is Overcast at 1,600 feet, Temperature 22°C, Dewpoint 19°C, Altimeter is 29.95. Remarks: AO2	1094 ft

Airport	TAFs
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SFO

Issued Jun 10, 1733Z, valid from Jun 10, 1800Z until Jun 12, 0000Z, Wind from 030° at 5 knots, greater than 6 statute miles visibility, Few clouds at 1,000 feet

From Jun 10, 2000Z, Wind from 300° at 17 knots with gusts to 22 knots, greater than 6 statute miles visibility, Few clouds at 1,500 feet

From Jun 10, 2200Z, Wind from 290° at 20 knots with gusts to 28 knots, greater than 6 statute miles visibility, Few clouds at 1,500 feet

From Jun 11, 0400Z, Wind from 290° at 14 knots, greater than 6 statute miles visibility, Scattered Clouds at 1,500 feet

From Jun 11, 1000Z, Wind from 290° at 8 knots, greater than 6 statute miles visibility, Ceiling is Overcast at 1,200 feet

From Jun 11, 1800Z, Wind from 260° at 12 knots, greater than 6 statute miles visibility, Scattered Clouds at 1,500 feet.

DEN

Issued Jun 10, 1739Z, valid from Jun 10, 1800Z until Jun 12, 0000Z, Wind from 320° at 7 knots, greater than 6 statute miles visibility, Few clouds at 10,000 feet, Scattered Clouds at 14,000 feet

From Jun 10, 1900Z, Wind from 020° at 7 knots, greater than 6 statute miles visibility, Few clouds at 10,000 feet, Scattered Clouds at 14,000 feet

From Jun 10, 2100Z, Wind from 070° at 9 knots, greater than 6 statute miles visibility, Scattered Clouds at 9,000 feet, Scattered Clouds at 13,000 feet

From Jun 10, 2200Z, Wind from 090° at 10 knots, greater than 6 statute miles visibility, Thunderstorms in the Vicinity, Scattered Clouds at 9,000 feet Cumulonimbus, Ceiling is Broken at 13,000 feet

Temporary between Jun 10, 2200Z and Jun 11, 0100Z, Wind is variable at 20 knots with gusts to 35 knots, Ceiling is Broken at 9,000 feet Cumulonimbus

From Jun 11, 0100Z, Wind from 270° at 12 knots, greater than 6 statute miles visibility, Scattered Clouds at 11,000 feet, Ceiling is Broken at 14,000 feet

From Jun 11, 0500Z, Wind from 220° at 9 knots, greater than 6 statute miles visibility, Few clouds at 14,000 feet, Ceiling is Broken at 22,000 feet.

JFK

Issued Jun 10, 1737Z, valid from Jun 10, 1800Z until Jun 12, 0000Z, Wind from 160° at 5 knots, greater than 6 statute miles visibility, Scattered Clouds at 1,000 feet, Ceiling is Broken at 1,500 feet

From Jun 11, 0000Z, Wind is variable at 5 knots, 5 statute miles visibility, Mist, Ceiling is Broken at 800 feet, Overcast at 1,500 feet

From Jun 11, 0400Z, Wind is variable at 5 knots, 3 statute miles visibility, Mist, Ceiling is Overcast at 300 feet

From Jun 11, 0800Z, Wind from 060° at 10 knots, 3 statute miles visibility, Mist, Ceiling is Overcast at 300 feet

From Jun 11, 1500Z, Wind from 070° at 11 knots, greater than 6 statute miles visibility, Scattered Clouds at 500 feet, Ceiling is Broken at 800 feet

From Jun 11, 1800Z, Wind from 090° at 12 knots, greater than 6 statute miles visibility, Scattered Clouds at 700 feet, Ceiling is Broken at 1,500 feet.

Airport	NOTAMS
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SFO No report available

KDEN DEN 14/06123 KDEN Runway 35 right precision approach path indicator out of service Jun 10, 2014 1330Z to Jun 10, 2014 2359Z

KDEN DEN 14/06097 KDEN Runway 8/26 SAFETY area 4 inch LIP N side Jun 05, 2014 1913Z to Jul 05, 2014 2359Z

KDEN DEN 14/04348 KDEN Runway 17L/35R SAFETY area BAK-12 ARRESTING system out of service except MILITARY operations Tuesday-Friday daily 1830-2230 Apr 15, 2014 1830 ... (more)

You may change the airports to your own personal selection from Display Settings page by selecting the [Edit Favorites](#) link on the Pilot Dashboard page.

Pilots also have the ability to view the METAR, TAF, and NOTAM text without plain-text translation by deselecting the Plain Text checkbox.

Plain Text [What's this?](#)

SFO DEN JFK *Aircraft ID: TU1

Airport	Condition	METARs	Density Altitude
SFO	VFR	METAR KSFO 101656Z 03004KT 10SM FEW008 19/14 A2978 RMK AO2 SLP084 T01940144	865 ft
DEN	VFR	METAR KDEN 101653Z 00000KT 10SM FEW100 FEW200 26/02 A2999 RMK AO2 SLP093 T02560017	7932 ft
JFK	MVFR	SPECI KJFK 101731Z 15003KT 10SM SCT010 OVC016 22/19 A2995 RMK AO2	1094 ft

Airport	TAFs
SFO	TAF KSFO 101733Z 1018/1124 03005KT P6SM FEW010 FM102000 30017G22KT P6SM FEW015 FM102200 29020G28KT P6SM FEW015 FM110400 29014KT P6SM SCT015 FM111000 29008KT P6SM OVC012 FM111800 26012KT P6SM SCT015
DEN	TAF KDEN 101739Z 1018/1124 32007KT P6SM FEW100 SCT140 FM101900 02007KT P6SM FEW100 SCT140 FM102100 07009KT P6SM SCT090 SCT130 FM102200 09010KT P6SM VCTS SCT090CB BKN130 TEMPO 1022/1101 VRB20G35KT BKN090CB FM110100 27012KT P6SM SCT110 BKN140 FM110500 22009KT P6SM FEW140 BKN220
JFK	TAF KJFK 101737Z 1018/1124 16005KT P6SM SCT010 BKN015 FM110000 VRB05KT 5SM BR BKN008 OVC015 FM110400 VRB05KT 3SM BR OVC003 FM110800 06010KT 3SM BR OVC003 FM111500 07011KT P6SM SCT005 BKN008 FM111800 09012KT P6SM SCT007 BKN015

Airport	NOTAMs
SFO	No report available
KDEN	DEN 14/06123 KDEN RWY 35R PAPI OUT OF SERVICE 1406101330-1406102359
KDEN	DEN 14/06097 KDEN RWY 8/26 SAFETY AREA 4 INCH LIP N SIDE 1406051913-1407052359
KDEN	DEN 14/04348 KDEN RWY 17L/35R SAFETY AREA BAK-12 ARRESTING SYSTEM OUT OF SERVICE EXC MILITARY OPS TUE -FRI DAILY 1830-2230 1404151830-1408012230
KDEN	DEN 14/04341 KDEN RWY 17L/35R CLSD EXC MILITARY OPS TUE - FRI 1830-2230 1404151830-1407312230
KDEN	DEN 14/04009 KDEN RWY 17L/35R BAK-12 ARRESTING SYSTEM 18IN 2000FT SOUTH OF RWY 17L THR 1404011829-1408010600
KDEN	DEN 14/04350 KDEN TWY P, P7, TWY ED BTN TWY M AND TWY P, TWY EA BTN RWY 17R/35L AND TWY P, TWY EC BTN RWY 17R/35L AND TWY P CLSD EXC MIL TUE-FRI 1830-2230 1404 ... (more)
KDEN	DEN 14/04210 KDEN TWY L BTN TWY EA AND TWY SC CLSD EXCEPT FOR MILITARY OPERATIONS 1404111530-1407112359
KDEN	DEN 14/04163 KDEN TWY M BTN TWY A AND DEICE PAD D SOUTH EXIT CLSD EXC MILITARY OPS 1404080102-1407112359
KDEN	DEN 14/06148 KDEN COM BADGER MOUNTAIN REMOTE COM OUTLET 122.2 OUT OF SERVICE 1406081924-1406121930EST
KDEN	DEN 14/05547 KDEN OBST CRANE 394918N1043952W (.44NM SW APCH END RWY 35L) 5536FT (120FT AGL) FLAGGED NOT LGTD DAILY SR-SS 1405282038-1407312359
KDEN	DEN 14/05328 KDEN OBST CRANE 395050N1044024W (0.6 NE APCH END RWY 25) 5689FT (323FT AGL) FLAGGED AND LGTD 1405142237-1410312359
KDEN	DEN 14/02500 KDEN OBST OIL RIG 395531.5N1044356.7W (DEN31105.1) 5177FT (150FT AGL) LGTD 1402142225-1405142225EST
KDEN	DEN 14/06083 KDEN AD ALL SIGNAGE OBSCURED BY VEGETATION 1406042242-1406112359
KDEN	DEN 14/05286 KDEN APRON CONCOURSE C PURPLE LINE CLSD BTN TWY J AND GATE C29 1405122012-1407122359
KDEN	DEN 14/04164 KDEN APRON SOUTH CARGO SPOTS 10W-18 CLSD EXC MILITARY OPS 1404080107-1407112359
KDEN	DEN 14/04162 KDEN APRON DEICE PAD D CLSD EXC MILITARY OPS 1404080101-1407112359
KDEN	DEN 14/04157 KDEN APRON TWY J BTN TWY CS AND TWY CN CLSD TO ACFT WINGSPAN MORE THAN 171FT 1404072240-1407032359
KJFK	JFK 10/09121 KJFK RWY 13R PAPI CMSN. A STRAIGHT-IN AND OFFSET PAPI IS USED FOR THIS VISUAL APPROACH. THE STRAIGHT-IN SYSTEM CONSISTS OF ONE BAR OF LIGHTS LO ... (more)

In the event a particular NOTAM spans more than two lines of space, an indicator of ... (more) will be displayed. You can view the full NOTAM text by using your mouse to hover over the affected NOTAM.

KDEN	DEN 14/02500 KDEN OBST OIL RIG 395531.5N1044356.7W (DEN31105.1) 5177FT (150FT AGL) LGTD 1402142225-1405142225EST	
KDEN	DEN 14/06083 KDEN AD ALL SIGNAGE OBSCURED BY VEGETATION 1406083	
KDEN	DEN 14/05286 KDEN APRON CONCOURSE C PURPLE LINE CLSD BTN TWY 1405286	
KDEN	DEN 14/04164 KDEN APRON SOUTH CARGO SPOTS 10W-18 CLSD EXC MIL 1404164	
KDEN	DEN 14/04162 KDEN APRON DEICE PAD D CLSD EXC MILITARY OPS 1404162	
KDEN	DEN 14/04157 KDEN APRON TWY J BTN TWY CS AND TWY CN CLSD TO P 1407032359	
KJFK	JFK 10/09121 KJFK RWY 13R PAPI CMSN. A STRAIGHT-IN AND OFFSET PAPI IS USED FOR THIS VISUAL APPROACH. THE STRAIGHT-IN SYSTEM CONSISTS OF ONE BAR OF LIGHTS LOCATED ON THE LEFT SIDE OF THE RUNWAY CENTERLINE AS VIEWED FROM THE APPROACH DIRECTION. THE SECOND SINGLE BAR OF LIGHTS IS AIMED 22 DEGREES WEST OF THE EXTENDED RUNWAY CENTERLINE IS LOCATED ON THE RIGHT SIDE OF THE RUNWAY AS VIEWED FROM THE APPROACH DIRECTION. THE VISUAL GLIDE PATH IS 3.00 DEGREES. THE THRESHOLD CROSSING HEIGHT (TCH) IS 73 FEET FOR THE STRAIGHT IN APPROACH. THE SYSTEM IS CONTROLLED BY THE ATCT. THE PAPI IS MONITORED	
KJFK	JFK 10/09121 KJFK RWY 13R PAPI CMSN. A STRAIGHT-IN AND OFFSET PAPI IS USED FOR THIS VISUAL APPROACH. THE STRAIGHT-IN SYSTEM CONSISTS OF ONE BAR OF LIGHTS LO ... (more)	

Plain Text

KDEN	DEN 14/05286 KDEN Apron CONCOURSE C PURPLE line closed between taxiway 2012Z to Jul 12, 2014 2359Z	
KDEN	DEN 14/04164 KDEN Apron south CARGO SPOTS 10W-18 closed except MILITARY operations to Jul 11, 2014 2359Z	
KDEN	DEN 14/04162 KDEN Apron DEICE pad D closed except MILITARY operations to Jul 03, 2014 2359Z	
KDEN	DEN 14/04157 KDEN Apron taxiway J between taxiway CS and taxiway CN closed except MILITARY operations to Jul 03, 2014 2359Z	
KJFK	JFK 10/09121 KJFK Runway 13 right precision approach path indicator commission. A STRAIGHT-IN and OFFSET precision approach path indicator IS USED for this visual approach. The STRAIGHT-IN system CONSISTS of one BAR of lights located on the left side of the runway centerline as VIEWED from the approach direction. The second SINGLE BAR of lights IS AIMED 22 degrees west of the extended runway centerline IS located on the right side of the runway as VIEWED from the approach direction. The visual GLIDE PATH IS 3.00 Degrees. The threshold crossing HEIGHT (TCH) IS 73 feet for the STRAIGHT IN approach. The system IS CONTROLLED by the ATCT. The precision approach path indicator IS MONITORED	
KJFK	JFK 10/09121 KJFK Runway 13 right precision approach path indicator commission. A STRAIGHT-IN and OFFSET precision approach path indicator IS USED for this vi ... (more)	

d. System Alerts

If Leidos Flight Service is experiencing temporary technical difficulties, a message will be displayed on the Pilot 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 “STOP”, “CANCEL”, “QUIT, or “END”. If the last command AFS receives 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:

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.

Per FAA Order 7110.10, adverse conditions include:

<i>Temporary Flight Restrictions (TFR)</i>	<i>AIRMETs (WA)</i>
<i>Airport/Runway Closures (AA)</i>	<i>Urgent Pilot Reports (UUA) / Special AIREPs (ARS)</i>
<i>SIGMETs (WS)</i>	<i>Severe Weather Watches (AWW)</i>
<i>Convective SIGMETs (WST)</i>	<i>Severe Weather (WW)</i>
<i>Center Weather Advisories (CWA)</i>	

The ACAS service will also send alert messages when UOAs are reported within 2,000 ft of the filed altitude, and for all UOAs reported within 10 nm of the departure or destination.

This service includes options for preflight and inflight alerting.

Notes: 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.

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" below.
(Format: 8816 XXX XXXXX)
[View a list of device providers](#) supporting ACAS.

Leidos Flt Svc will send messages to the Text Message Phone Numbers you select below (Variable msgs/Flight). Standard text message rates may apply. Text HELP to FLTSVC for help. Text STOP to FLTSVC to cancel.

[Terms of Service](#) [Privacy Statement](#)

Registration Status: **Registered** 

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

<input type="button" value="Add from My Devices & Contacts"/>	<input type="button" value="Add Text Phone Number"/>	<input type="button" value="Add Email Address"/>	<input type="button" value="Add Portable Device"/>
---	--	--	--

(703) 217-7981	<input type="button" value="Remove"/>	<input type="button" value="Test Message"/>
<input checked="" type="checkbox"/> Preflight Alerts <input type="checkbox"/> Inflight Alerts		
703217798	<input type="button" value="Remove"/>	<input type="button" value="Test Message"/>
<input checked="" type="checkbox"/> Preflight Alerts <input checked="" type="checkbox"/> Inflight Alerts		

Don't send alerts for conditions more than 4000 ft above my filed altitude

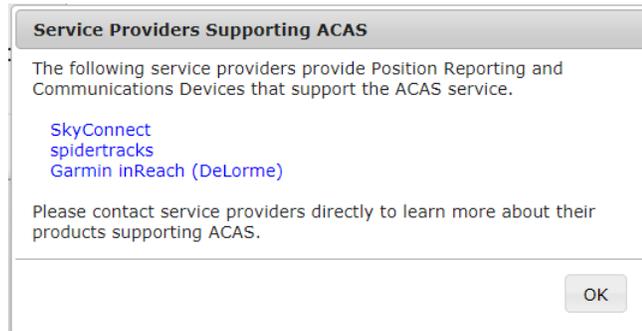
The ACAS service will send alert messages to devices, text message phone numbers and email addresses registered for the service. The dialog will display a list of all devices and contacts registered for the service. If no contacts nor devices have been registered, then the dialog will display "No devices or contacts are currently registered."

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

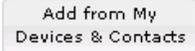
Don't send alerts for conditions more than 4000 ft above my filed altitude

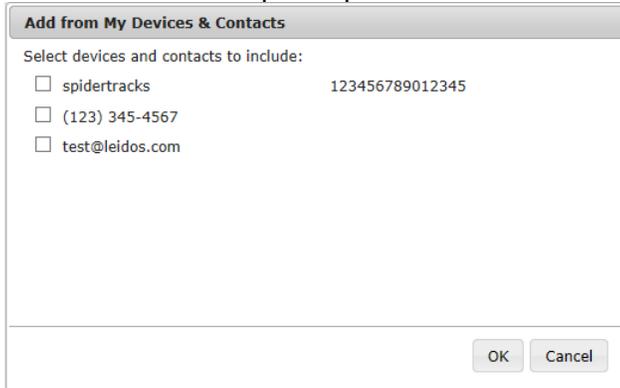
Clicking on the Video icon  will open a help video on how to register for the ACAS service.

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



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 ACAS service by selecting the checkbox next to each contact.

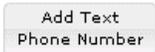
Pressing the “OK” button will close the “Add from My Devices & Contacts” dialog. The selected contact or device will be displayed in the main ACAS dialog.

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

Preflight Alerts Inflight Alerts

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.

Select Type

Select Type
 Garmin inReach (DeLorme)
 SkyConnect
 spidertracks

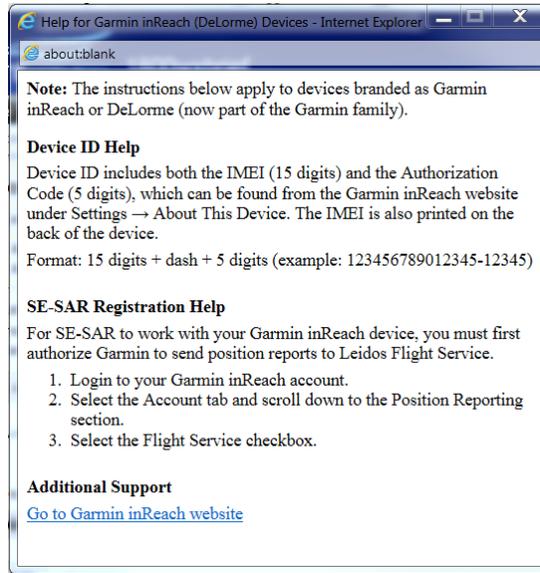
Inflight Alerts
 ns more than 4000 ft above my filed altitude

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

Garmin inReach (DeLorme)

Preflight Alerts Inflight Alerts

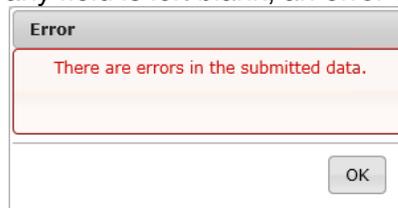
Clicking on the “Help” button will open a new window with information based on the selected device provider.



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.

Garmin inReach (DeLorme) ▾ 123 Invalid Help Remove Test Message

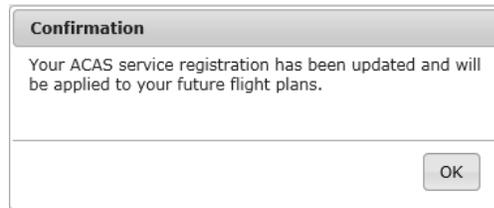
Preflight Alerts Inflight Alerts

Enter Email Address Remove Test Message

Required

Preflight Alerts Inflight Alerts

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 Flt Svc will send messages to the Text Message Phone Numbers you select below (Variable msg/Flight). Standard text message rates may apply. Text HELP to 240-883-5487 for help. Text STOP to 240-883-5487 to cancel.

[Terms of Service](#) [Privacy Statement](#)

Registration Status: **Registered**

Messages will be sent to the contacts entered below

Add from My Contacts
Add Text Phone Number
Add Email Address

(703) 217-7981
Remove
Test Message

OK
Cancel

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.”

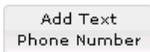
Clicking on the Video icon will open a help video on how to register for the EasyActivate™ EasyClose™ service.

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.

The user can register any of the shown contacts for the EasyActivate™ EasyClose™ 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 EasyActivate™ EasyClose™ 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 Text Phone Number” button  will display a blank Phone Number row. A valid phone number must be provided to successfully register.

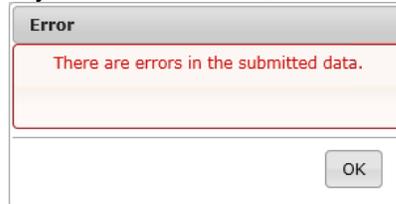
Clicking on the “Add Email Address” button  will display a blank Email row. A valid email address must be provided.

Enter Email Address

Remove 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

Invalid

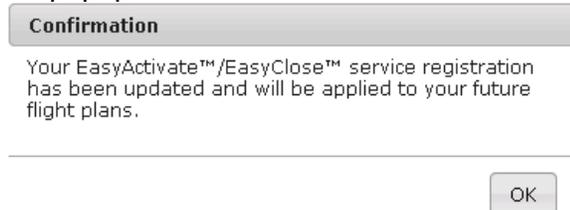
Remove Test Message

Enter Phone Number

Required

Remove Test Message

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 (2 msgs/Flight). Standard text message rates may apply. Text HELP to FLTSVC for help. Text STOP to FLTSVC to cancel.

[Terms of Service](#) [Privacy Statement](#)

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

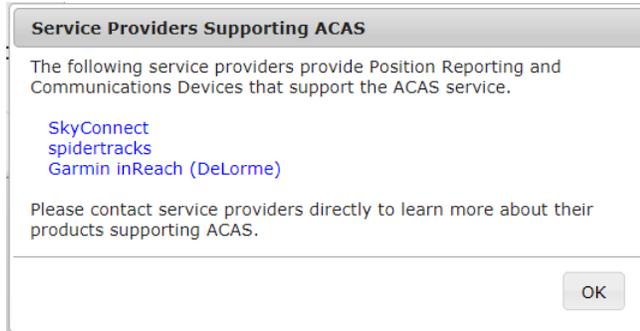
(703) 217-7981
Remove
Test Message

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."

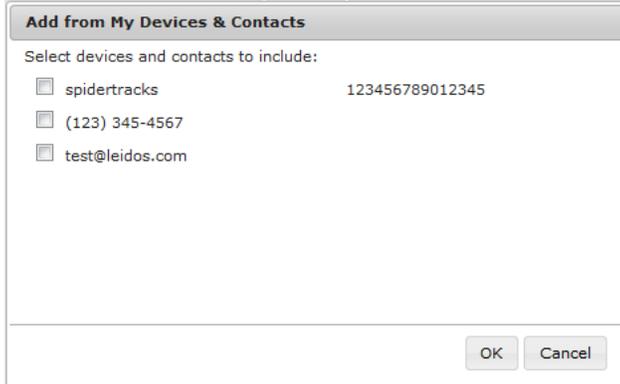
Clicking on the Video icon  will open a help video on how to register for the Close Reminders service.

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

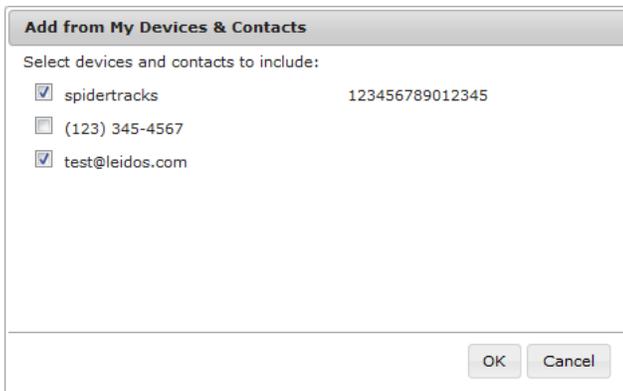


Clicking on a link for a service provider will open a new browser tab with that service provider's home page.

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 Close Reminders service by selecting the checkbox next to each contact.



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.

Registration Status: **Not Registered** 

Messages will be sent to the devices and contacts entered below

spidertracks ▾	123456789012345	Help	Remove	Test Message
test@leidos.com x			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.

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.

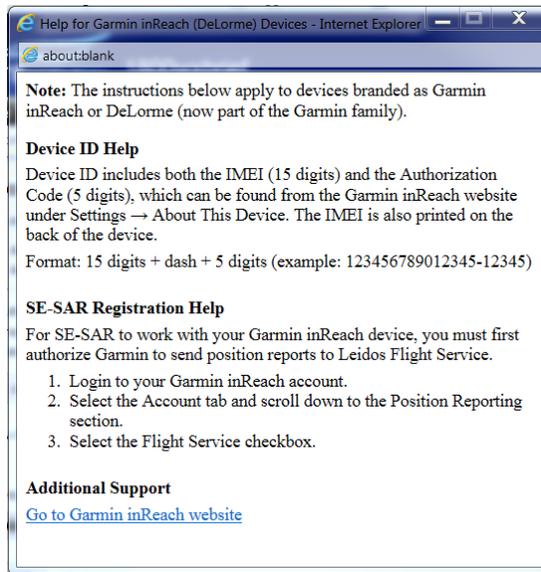
▾

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

▾

Preflight Alerts Inflight Alerts

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

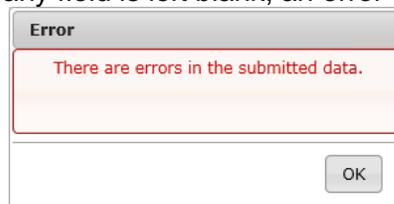


To receive alerts for Garmin devices, the user can provide a Garmin/Iridium phone number.

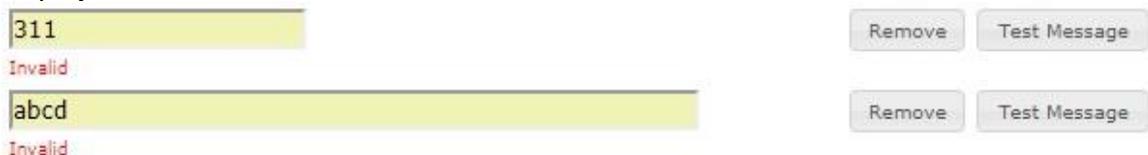
To receive alerts on an installed device, the user must add the device on the Account->Aircraft tab. This device will then be displayed in the “Add from My Devices & Contacts” dialog.

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.



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

Selecting “OK” will close the Confirmation dialog.

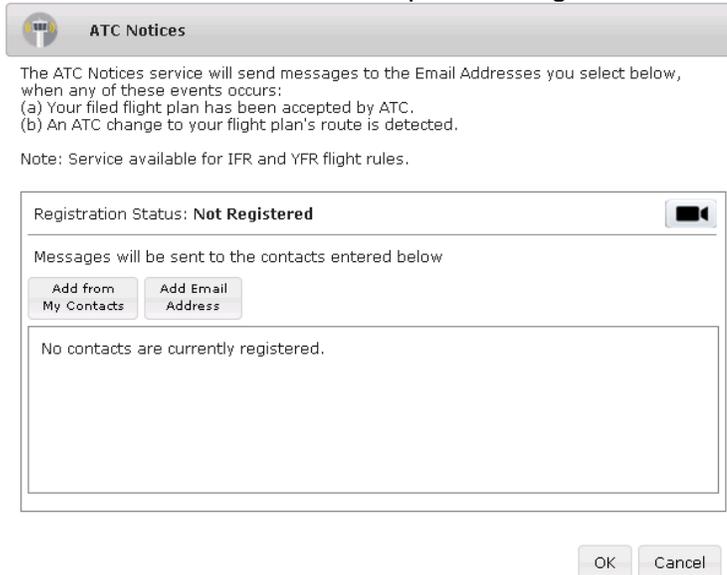
The Advanced Services Dashboard will be updated. If you have successfully registered for the Close Reminders service then the icon border will be green.

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.

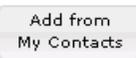
d. ATC Notices

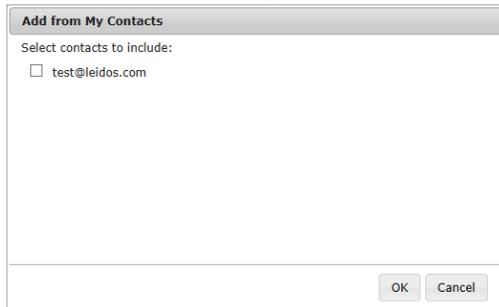
Clicking on the ATC Notices icon  will open a dialog as follows:



The ATC Notices service will messages to 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 ATC Notices service.

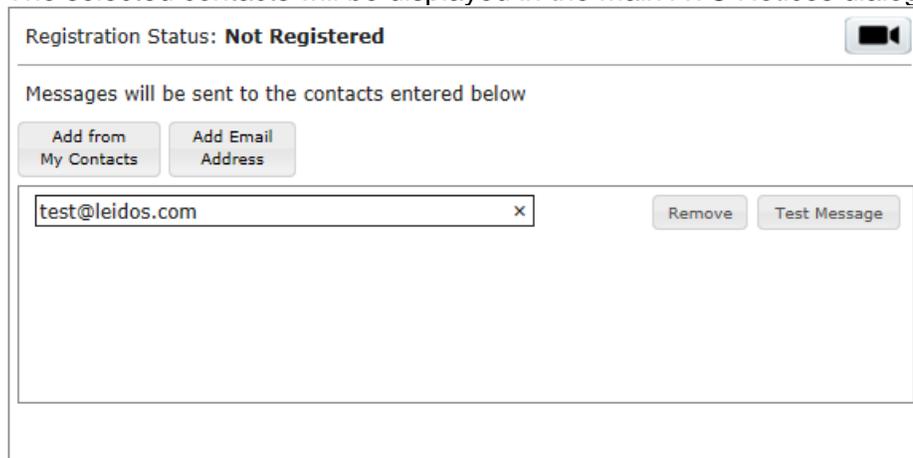
Selecting the “Add from My Contacts” button  will open a new dialog which contains a list of all Email Addresses associated with the pilot’s profile.



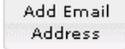
The user can register any of the shown contacts for the ATC Notices service by selecting the checkbox next to each contact.



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



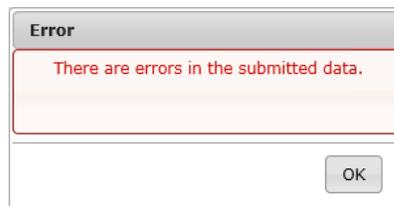
Clicking on the “Remove” button will remove the contact row. Clicking on the “Test Message” button will send a test message to the contact in the row.

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



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.

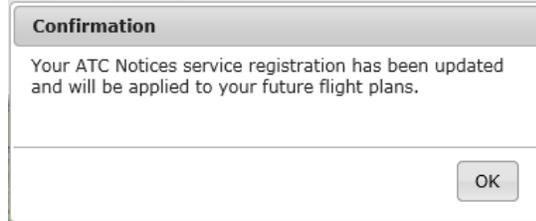
1234

Remove

Test Message

Invalid

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.

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)
 Globalstar 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 (1 msg/Flight). Standard text message rates may apply. Text HELP to FLTSVC for help. Text STOP to FLTSVC to cancel.

[Terms of Service](#) [Privacy Statement](#)

Registration Status: **Registered**

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

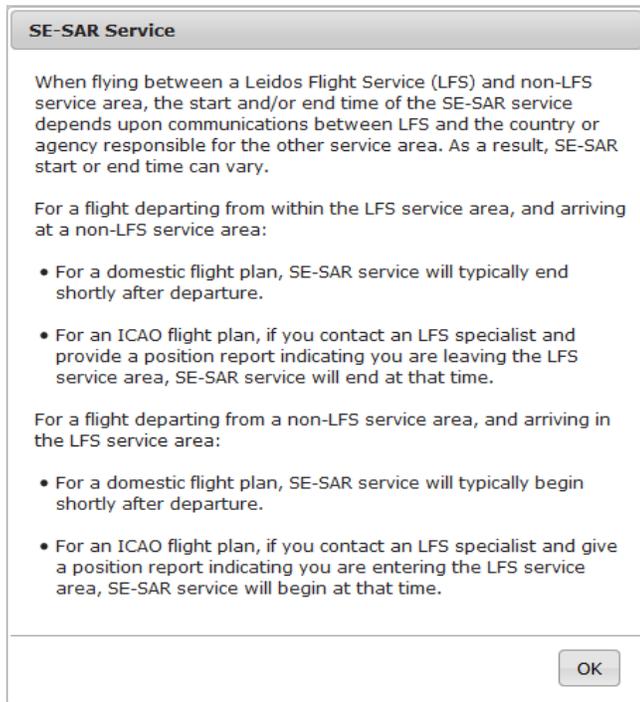
Position reports will be monitored for the devices entered below.
 Alert messages will be sent to the contacts and applicable devices entered below.

Add from My Devices & Contacts
Add Text Phone Number
Add Email Address
Add Portable Device

SkyConnect	123456789012345	<input checked="" type="checkbox"/> Receive Alerts	Help	Remove	Test Message
(703) 217-7981				Remove	Test Message

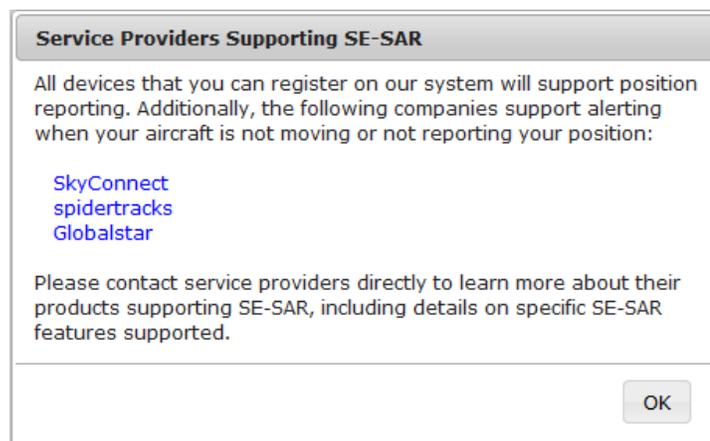
OK Cancel

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

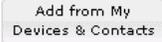


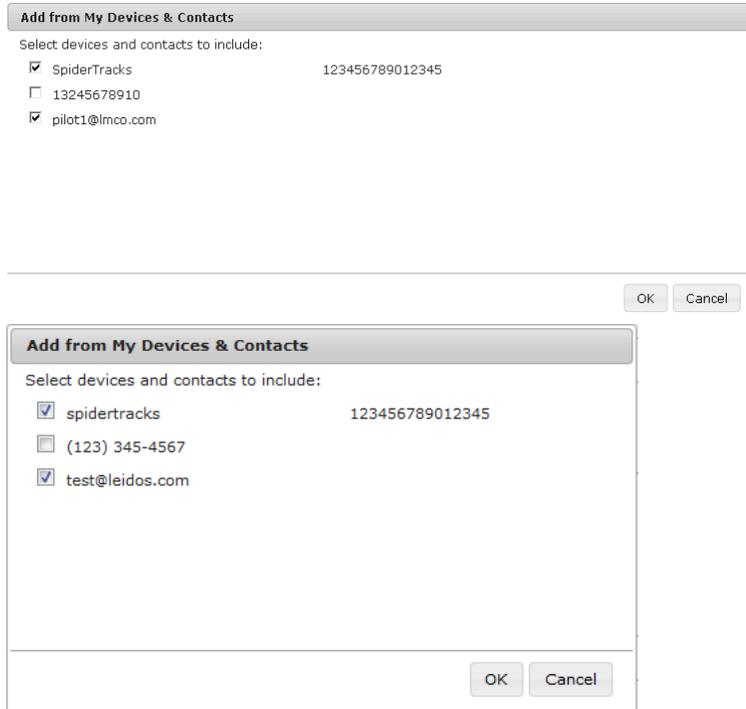
Clicking on the Video icon  will open a help video on how to register for the SE-SAR service.

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

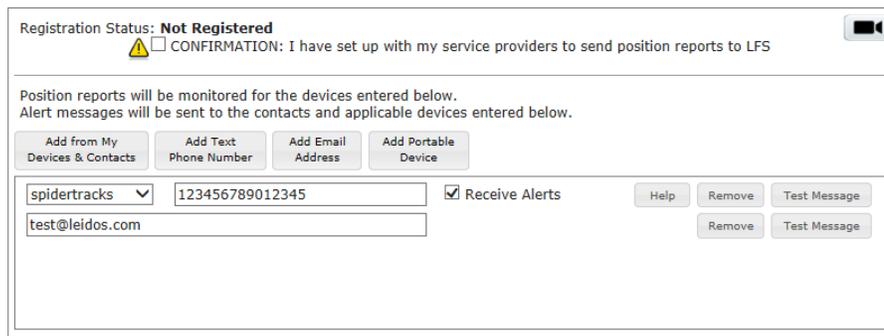


Clicking on a link for a service provider will open a new browser tab with that service provider’s home page.

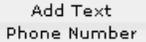
Clicking on the “Add from My Devices & Contacts” button  will open a new dialog which contains a list of all Devices, Phone Numbers, and Email Addresses associated with the pilot’s profile. The user can register any of the shown contacts for the SE-SAR service by selecting the checkbox next to each contact.



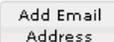
Pressing the “OK” button will close the “Add from My Devices & Contacts” dialog. The selected contact or device will be displayed in the main SE-SAR dialog.



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.



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



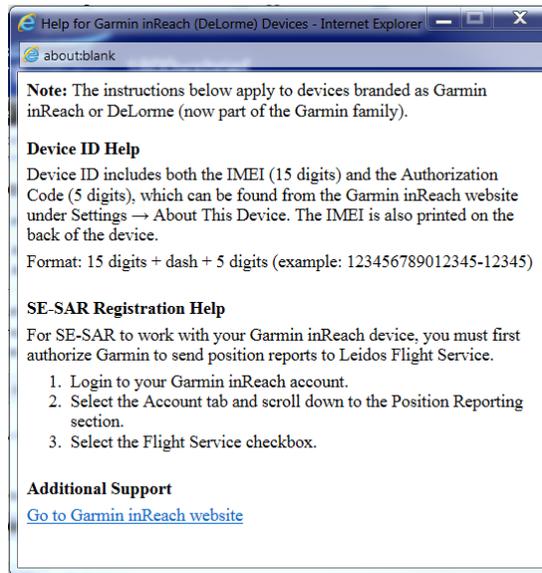
Clicking on the “Add Portable Device” button will display a blank portable device row. A valid device provider and device ID must be entered.



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



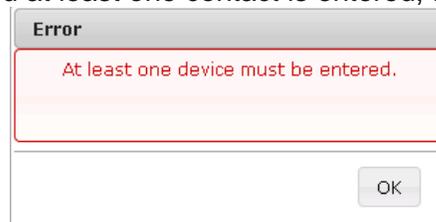
Clicking on the “Help” button will open a new window with information based on the selected device provider.



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 SE-SAR registration. If no device is entered and at least one contact is entered, an error dialog will popup.

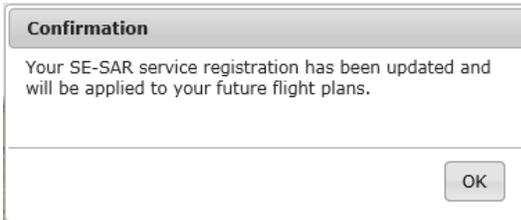


If an entry is not valid, or if any field is left blank, an error dialog will popup.

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

311	Remove	Test Message
Invalid		
abcd	Remove	Test Message
Invalid		

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.



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.’



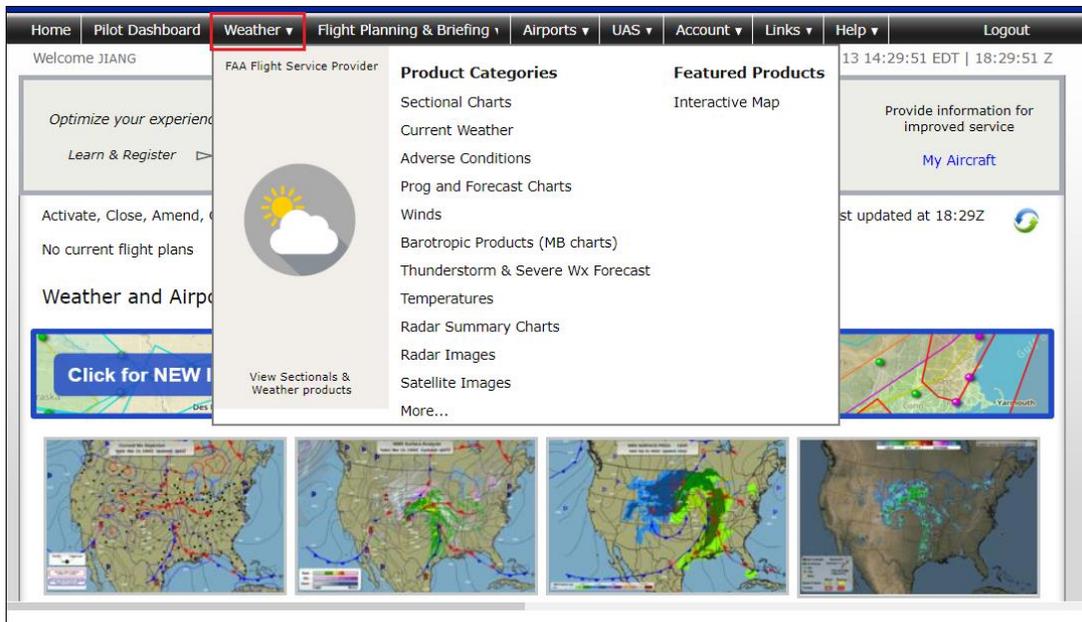
If the user has not registered any device or contacts, then the icon border will be clear.



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.

7. Weather Overview

Hovering over Weather in the main menu bar causes a dropdown menu to display containing the list of items below that will link to either the Interactive Map page or the Weather Charts page.



7.1. Interactive Map Page

The Interactive Map page is opened by clicking Weather in the menu bar or by clicking on the Interactive Map under the **Featured Products** column in the Weather dropdown menu list. The page provides users with interactive graphical capabilities to view a variety of weather products and access to a variety of aeronautical information.



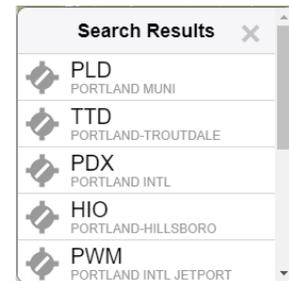
a. Overview and Basic Functions

Pan and Zoom Controls (1)

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 left corner to provide zooming capabilities in fixed intervals.

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.

Current Location and Time (3)

The latitude and longitude of the center of the map window is always dynamically displayed in the upper right corner of the map window. Date and time, both local and UTC, are also displayed here.

Background Selection (4)

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 (5)

Pressing the  icon will open a Layer Controls menu that provides a list of various adverse condition and forecast layer products.

Access to Legends (6)

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 (7)

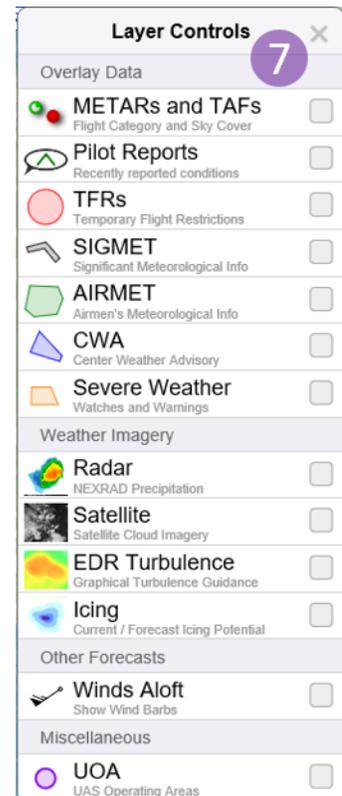
Product layers can be toggled on and off, and will remain in the last known state across user sessions.

Two primary types of data can be displayed on the map. Overlay data includes the following, and can be displayed simultaneously:

- METARs and TAFs
- 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)

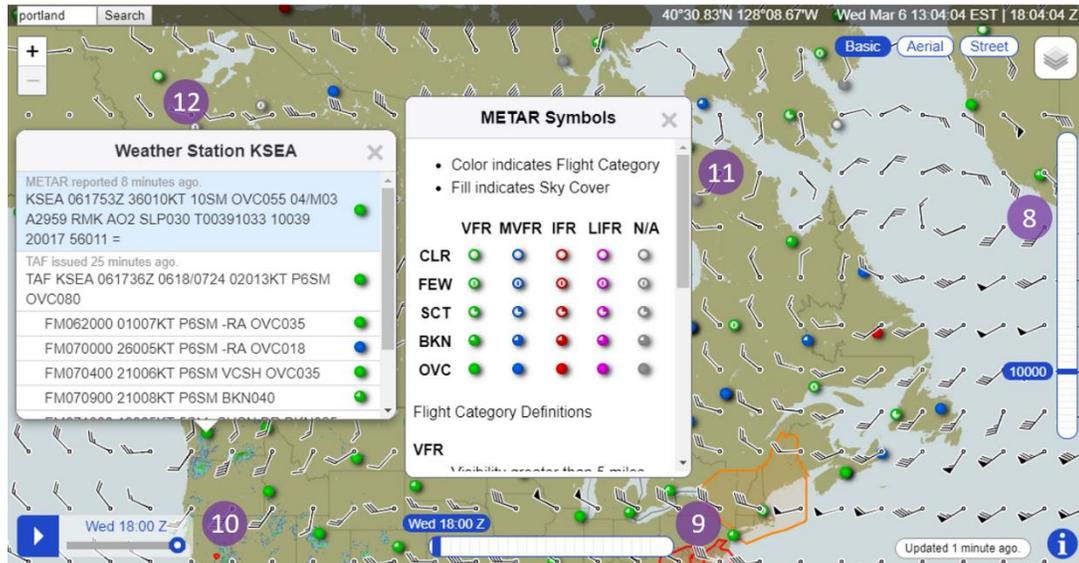


Some product types contain multiple sub products that are only shown when the associated product group is selected. From this expanded selection, sub product layers can be turned on and off individually.

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 (8)

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 (9)

The Time Slider will appear on the bottom middle portion of the map when certain product layers (METARs and TAFs, 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 (10)

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 (11)

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 (12)

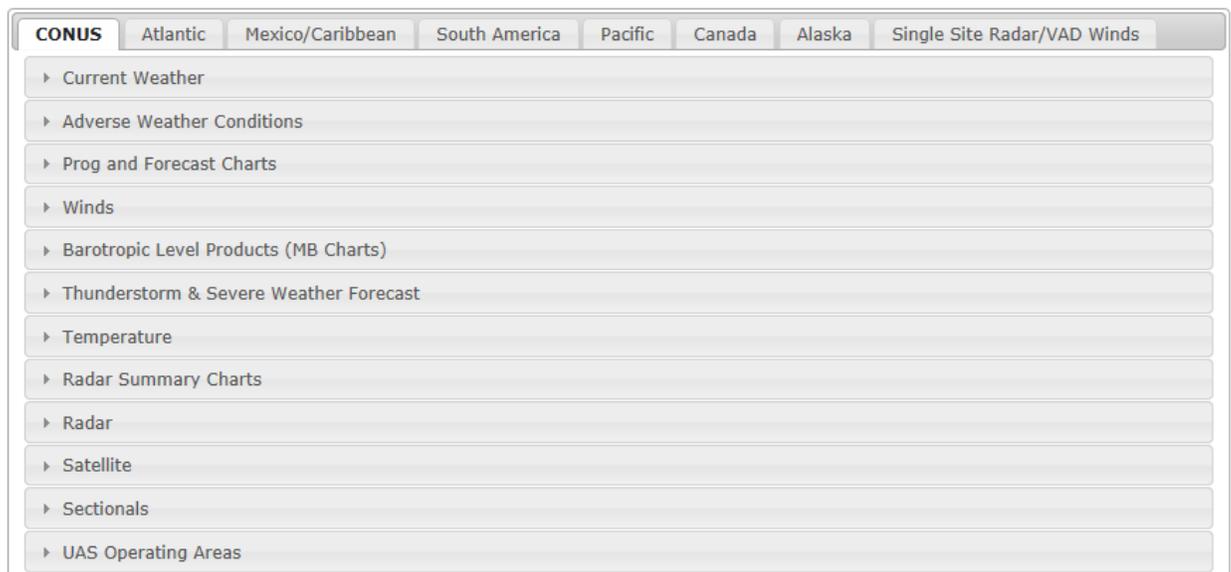
Polygons and icons representing various adverse conditions, TFRs, or weather station locations can be pressed to open a dialog containing the full raw text for the selected object. In cases where the raw text string exceeds the maximum dialog size, a scrolling function is provided.

7.2. Weather Charts Page

Clicking on any link under the **Product Categories** column will display the selected product on the Weather Charts Page. Select the desired geographic area, then the specific graphic product within the geographic area. Each area has numerous weather charts available, as well as radar and satellite graphics. Single-site radar is available for CONUS. There are non-CONUS sites available as well.

The examples below depict some of the various weather products.

a. CONUS



▼ Current Weather

Surface Analysis

Wx Depiction

Freezing Levels

Avg Relative Humidity

Precipitable Water

Lifted / K Index

National Center for Atmospheric Research
[Skew-T/Log P diagrams from rawinsonde data](#)



- In the chart viewer window, click on the Complete Legend link to open a legend with more detailed information.
- Selecting Skew-T/Log P diagrams from rawinsonde data will open National Center for Atmospheric Research Upper-Air page in separate window
 - <http://weather.rap.ucar.edu/upper/>

▼ Adverse Weather Conditions

TFR

Convective SIGMET

SIGMET

G-AIRMET

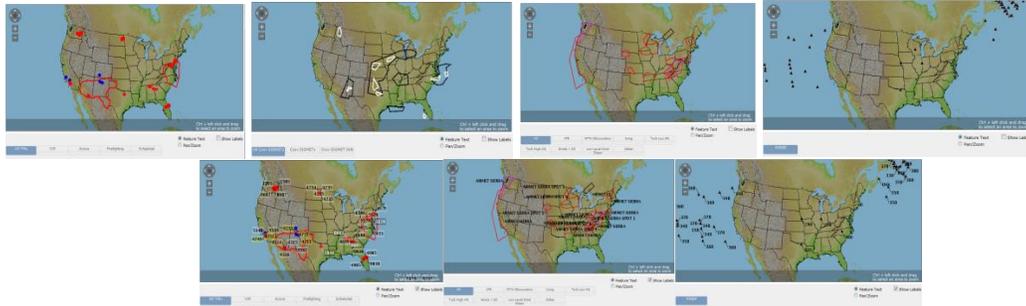
AIRMET

PIREP

Center Weather Advisory

Aviation Weather Watch

Public Weather Watch



Click on any adverse condition to get the text. Select Pan/Zoom radio button to enable Pan/Zoom capability.



▼ Prog and Forecast Charts

Surface Progs

12 Hr 24 Hr 36 Hr 48 Hr

Lo-Level Sig Progs

12 Hr 24 Hr

Hi-Level Sig Progs

12 Hr 24 Hr

500MB Vort

0 Hr 6 Hr 12 Hr 24 Hr 36 Hr 48 Hr

700MB Hgt Winds RH

6 Hr 12 Hr

700MB Vert Vel Precip

6 Hr 12 Hr

850MB Ht Winds Temp

6 Hr 12 Hr 24 Hr 36 Hr 48 Hr

Cloud Coverage [Help](#)

Select a Region ▼ Select a Forecast Time ▼ Go

Visibility, Surface Winds, Precipitation & Weather [Help](#)

Select a Region ▼ Select a Forecast Time ▼ Go

Current & Forecast Icing Product

CONUS

Graphical Turbulence Guidance

CONUS

National Weather Service

- Freezing Level Forecasts



- Selecting any of the Surface Progs buttons will open the National Weather Service Short Range Forecasts (Days ½-2 ½) page in a separate window
 - http://www.wpc.ncep.noaa.gov/basicwx/basicwx_ndfd.php

- In the chart viewer window, click on the Complete Legend link to open a legend with more detailed information. There will be forward and/or backward buttons to switch to either the next or previous charts.
- Selecting a region and forecast time for Cloud Coverage will enable the Go button. Selecting the Cloud Coverage Go button will display the cloud coverage chart for the specified region and the specified forecast time.
- Selecting a region and forecast time for Visibility, Surface Winds, Precipitation & Weather will enable the Go button. Selecting the Visibility, Surface Winds, Precipitation & Weather Go button will display the visibility, surface winds, precipitation and weather chart for the specified region and the specified forecast time.
- Select the "Help" link for either Cloud Coverage or Visibility, Surface Winds, Precipitation & Weather for additional information regarding graphical area forecast data.
- Selecting Graphical Turbulence Guidance - CONUS button will display a base CONUS map. To view the GTG graphics select a Plot (default - Combined), Forecast Time (default - 0 Hr) and an Altitude (default - no selection). The issue time and valid time will display with the selected GTG product.
- Selecting Current & Forecast Icing Product - CONUS button will display a base CONUS map. To view the CIP or FIP graphics select a Plot (default - Severity), Forecast Time (default - 0 Hr) and an Altitude (default - no selection). The SLD checkbox default is checked. The issue time and valid time will display with the selected CIP/FIP product and with the SLD checkbox.
- Selecting Freezing Level Forecasts will open Aviation Weather Center Current Freezing Level Forecast page in separate window

- <http://www.aviationweather.gov/icing/frzlvl/>

▼ Winds

12 Hr Winds Aloft

050 100 180

Jet Stream

12 Hr 24 Hr

National Weather Service

[ADD5 Wind & Temperature Forecast](#)



- In the chart viewer window, click on the Complete Legend link to open a legend with more detailed information. There will be forward and/or backward buttons to switch to either the next or previous charts.
- Selecting ADD5 Wind & Temperature Forecast will open Aviation Weather Center ADD5 Wind Temperature Forecast page in separate window

- <http://www.aviationweather.gov/windtemp/plot>

▼ Barotropic Level Products (MB Charts)

MB Charts

200MB 250MB 300MB 500MB 700MB 850MB

Thunderstorm & Severe Weather Forecast

TS Forecast

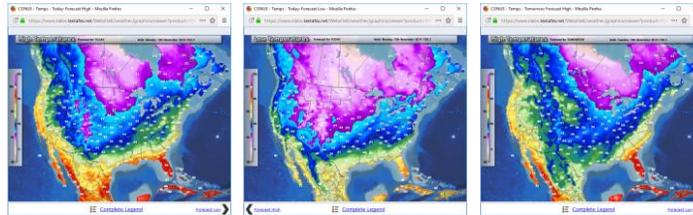
12 Hr 24 Hr

CCFP

4 Hr 6 Hr

Severe Weather Outlook

1 Day 2 Day



- In the chart viewer window, click on the Complete Legend link to open a legend with more detailed information. There will be forward and/or backward buttons to switch to either the next or previous charts.

Temperature

Temps - Today

Forecast High Forecast Low

Temps - Tomorrow

Forecast High Forecast Low

Radar Summary Charts

Radar Summary Charts

CONUS North East South East North Central South Central North West South West

Radar

Forecast Radar

CONUS

Mosaic Base Reflectivity

CONUS

Winter Storm Mosaic Base Reflectivity

CONUS

Mosaic Echo Tops

CONUS

Mosaic Composite (10 min)

CONUS



▼ Satellite

CONUS Satellite Forecast

Infrared Water Vapor

CONUS & East/West

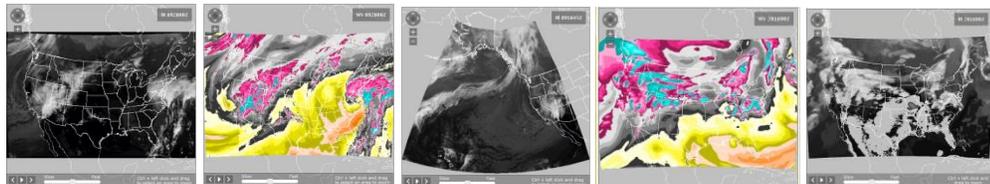
Infrared

CONUS

Visible Water Vapor

East Pacific/West USA

Infrared



▼ Sectionals

Albuquerque	Green Bay	New York
Atlanta	Halifax	Omaha
Billings	Houston	Phoenix
Brownsville	Jacksonville	Salt Lake City
Charlotte	Kansas City	San Antonio
Cheyenne	Klamath Falls	San Francisco
Chicago	Lake Huron	Seattle
Cincinnati	Las Vegas	St Louis
Dallas-Ft Wort	Los Angeles	Twin Cities
Denver	Memphis	Washington
Detroit	Miami	Wichita
El Paso	Montreal	
Great Falls	New Orleans	

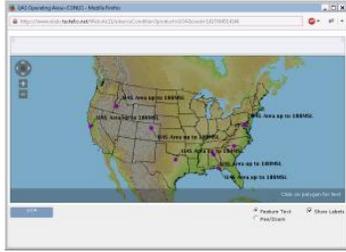
Select the desired city to view the sectional.



▼ UAS Operating Areas

UAS Operating Area

CONUS

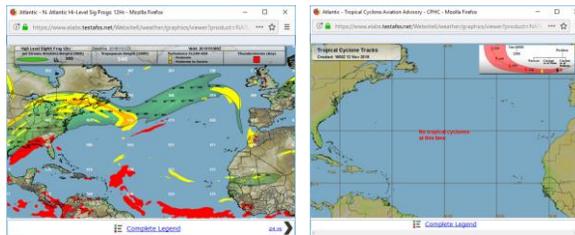


b. Atlantic

N. Atlantic Hi-Level Sig Progs

Surface Analysis

Active Tropical Cyclones



- In the chart viewer window, click on the Complete Legend link to open a legend with more detailed information. There will be forward and/or backward buttons to switch to either the next or previous charts.

N. Atlantic

c. Mexico/Caribbean

▼ General Forecasts (Prog Charts)

Mexico/Caribbean Surface Progs

Day 1 Day 2

Caribbean Surface Progs

12 Hr 24 Hr 36 Hr

Hi-Level Sig Progs

Caribbean

Surface Analysis

Caribbean



- In the chart viewer window, click on the Complete Legend link to open a legend with more detailed information. There will be forward and/or backward buttons to switch to either the next or previous charts.

▼ Winds

Winds Aloft

050 100 180

Caribbean Wind/Temp

050 100 180 300 340 390

▼ Barotropic Level Products (MB Charts)

Wind

200MB Tropical 300MB

▼ Icing

Icing

00/100 00/180 06/100 12/100 18/100

▼ Other

Lifted Index

Mexico/Caribbean

Volcanic Ash Forecast

Mexico Caribbean

Active Tropical Cyclones

Gulf of Mexico Caribbean Sea



- In the chart viewer window, click on the Complete Legend link to open a legend with more detailed information. There will be forward and/or backward buttons to switch to either the next or previous charts.

▼ Radar

Regional Radar

Puerto Rico

▼ Satellite

Mexico

Infrared Visible Water Vapor

Puerto Rico

Visible

Caribbean

Water Vapor

▼ UAS Operating Areas

UAS Operating Area

Caribbean



d. South America

CONUS Atlantic Mexico/Caribbean **South America** Pacific Canada Alaska Single Site Radar/VAD Winds

▶ General Forecasts (Prog Charts)

▶ Winds

▶ Barotropic Level Products (MB Charts)

▶ Satellite

▼ General Forecasts (Prog Charts)

N. South America Surface Progs

Day 1

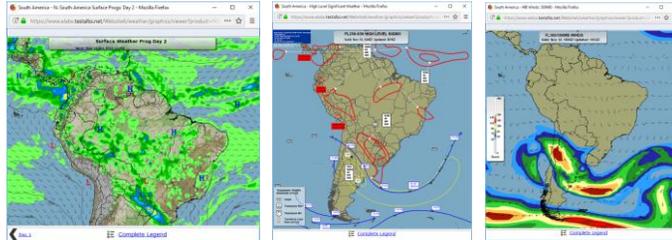
Day 2

Surface Weather

N. South America

Hi-Level Sig Progs

South America



- In the chart viewer window, click on the Complete Legend link to open a legend with more detailed information. There will be forward and/or backward buttons to switch to either the next or previous charts.

▼ Winds

Winds/Temp

050

100

180

300

340

390

▼ Barotropic Level Products (MB Charts)

Wind

300MB

▼ Satellite

South America

Infrared

N. South America

Visible

Water Vapor

e. Pacific

CONUS Atlantic Mexico/Caribbean South America **Pacific** Canada Alaska Single Site Radar/VAD Winds

- ▶ Current Weather
- ▶ General Forecasts (Prog Charts)
- ▶ Surface
- ▶ Winds
- ▶ Thunderstorm & Severe Weather Forecast
- ▶ Other
- ▶ Radar
- ▶ Satellite
- ▶ Sectionals
- ▶ UAS Operating Areas

▼ Current Weather

Lifted Index

Hawaii

▼ General Forecasts (Prog Charts)

Hawaii Surface Forecast

12 Hr 24 Hr 36 Hr 48 Hr 72 Hr

N. Pacific Surface Forecast

24 Hr 48 Hr 72 Hr

Pacific Basin Surface Forecast

24 Hr 48 Hr 72 Hr

Hawaii Lo-Level Sig Progs

0 Hr 12 Hr

Hawaii Hi-Level Sig Progs

0 Hr 12 Hr

N. Pacific Hi-Level Sig Progs

24 Hr

E. Pacific Hi-Level Sig Progs

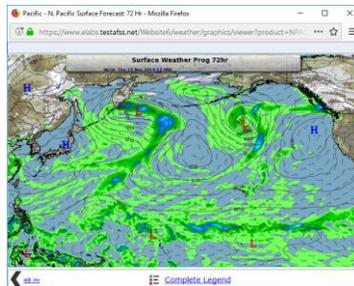
24 Hr

W. Pacific Hi-Level Sig Progs

24 Hr

Pacific Basin Hi-Level Sig Progs

24 Hr



- In the chart viewer window, click on the Complete Legend link to open a legend with more detailed information. There will be forward and/or backward buttons to switch to either the next or previous charts.

▼ Surface

N. Pacific Surface Analysis

00 06 12 18

NE Pacific Surface Analysis

00 06 12 18

Pacific Basin Surface Analysis

00 06 12 18

▼ Winds

N. Pacific Wind/Temp

050 100 180 240 300 340 390 450

Pacific Basin Wind/Temp

050 100 180 240 300 340 390 450

▼ Thunderstorm & Severe Weather Forecast

Hawaii Severe Weather Outlook

1 Day 2 Day

▼ Other

Volcanic Ash Forecast

Pacific Basin

Active Tropical Cyclones

North Pacific East Pacific West Pacific South Pacific Eastern North Pacific Central North Pacific

Western North Pacific South China Sea Indian Ocean

▼ Radar

Base Reflectivity (10 min)

Hawaii

Radar

Guam

▼ Satellite

North Pacific
Infrared

Pacific Basin
Infrared Visible

West Pacific
Infrared Visible

East Pacific
Visible

Hawaii
Infrared Visible

Guam
Infrared Visible Water Vapor

Palau
Infrared

Yap Island
Infrared

Mariana
Infrared

Chuuk
Infrared

Pohnpei
Infrared

Marshall Islands
Infrared

▼ Sectionals

Hawaii Islands
Chart

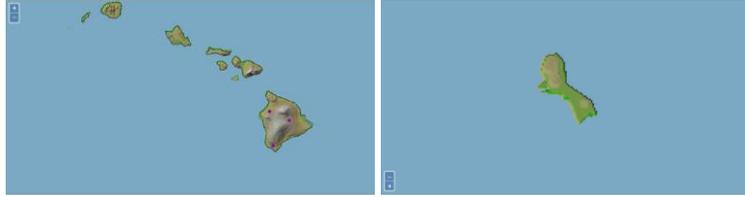
Mariana Islands
Chart

Samoa Islands
Chart



▼ UAS Operating Areas

UAS Operating Area
Hawaii Guam



f. Canada

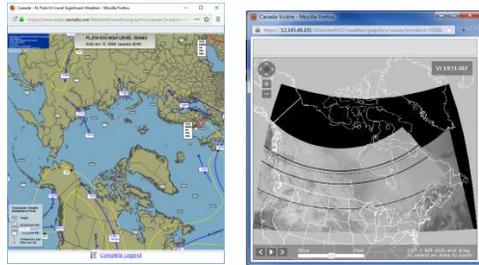
[CONUS](#)
[Atlantic](#)
[Mexico/Caribbean](#)
[South America](#)
[Pacific](#)
[Canada](#)
[Alaska](#)
[Single Site Radar/VAD Winds](#)

- General Forecasts (Prog Charts)
- Weather
- Hazard
- Satellite

▾ General Forecasts (Prog Charts)

Hi-Level Sig Progs

[North Pole](#)



- In the chart viewer window, click on the Complete Legend link to open a legend with more detailed information.

▾ Weather

[Canadian Weather Charts](#)

Selecting Canadian Weather Charts will open the Aviation Weather Center IFFDP - CA Clouds web site in a separate tab or window <http://www.aviationweather.gov/iffdp/cacw>.

Class	Priority	Issued	Valid	Latitude	Type	Region
1212	1	1000001212	1000001212	40N	ZTC	Canada-Pacific
1213	1	1000001213	1000001213	40N	ZTC	Canada-Pacific
1214	1	1000001214	1000001214	40N	ZTC	Canada-Pacific
1215	1	1000001215	1000001215	40N	ZTC	Canada-Pacific
1216	1	1000001216	1000001216	40N	ZTC	Canada-Pacific
1217	1	1000001217	1000001217	40N	ZTC	Canada-Pacific
1218	1	1000001218	1000001218	40N	ZTC	Canada-Pacific
1219	1	1000001219	1000001219	40N	ZTC	Canada-Pacific
1220	1	1000001220	1000001220	40N	ZTC	Canada-Pacific
1221	1	1000001221	1000001221	40N	ZTC	Canada-Pacific
1222	1	1000001222	1000001222	40N	ZTC	Canada-Pacific
1223	1	1000001223	1000001223	40N	ZTC	Canada-Pacific
1224	1	1000001224	1000001224	40N	ZTC	Canada-Pacific
1225	1	1000001225	1000001225	40N	ZTC	Canada-Pacific
1226	1	1000001226	1000001226	40N	ZTC	Canada-Pacific
1227	1	1000001227	1000001227	40N	ZTC	Canada-Pacific
1228	1	1000001228	1000001228	40N	ZTC	Canada-Pacific
1229	1	1000001229	1000001229	40N	ZTC	Canada-Pacific
1230	1	1000001230	1000001230	40N	ZTC	Canada-Pacific

▾ Hazard

[Canadian Hazard Charts](#)

Selecting Canadian Hazard Charts will open the Aviation Weather Center IFFDP - CA Ice Turb web site in a separate tab or window <http://www.aviationweather.gov/iffdp/cait>.

Class	Priority	Issued	Valid	Latitude	Type	Region
1231	1	1000001231	1000001231	40N	ZTC	Canada-Pacific
1232	1	1000001232	1000001232	40N	ZTC	Canada-Pacific
1233	1	1000001233	1000001233	40N	ZTC	Canada-Pacific
1234	1	1000001234	1000001234	40N	ZTC	Canada-Pacific
1235	1	1000001235	1000001235	40N	ZTC	Canada-Pacific
1236	1	1000001236	1000001236	40N	ZTC	Canada-Pacific
1237	1	1000001237	1000001237	40N	ZTC	Canada-Pacific
1238	1	1000001238	1000001238	40N	ZTC	Canada-Pacific
1239	1	1000001239	1000001239	40N	ZTC	Canada-Pacific
1240	1	1000001240	1000001240	40N	ZTC	Canada-Pacific
1241	1	1000001241	1000001241	40N	ZTC	Canada-Pacific
1242	1	1000001242	1000001242	40N	ZTC	Canada-Pacific
1243	1	1000001243	1000001243	40N	ZTC	Canada-Pacific
1244	1	1000001244	1000001244	40N	ZTC	Canada-Pacific
1245	1	1000001245	1000001245	40N	ZTC	Canada-Pacific
1246	1	1000001246	1000001246	40N	ZTC	Canada-Pacific
1247	1	1000001247	1000001247	40N	ZTC	Canada-Pacific
1248	1	1000001248	1000001248	40N	ZTC	Canada-Pacific
1249	1	1000001249	1000001249	40N	ZTC	Canada-Pacific
1250	1	1000001250	1000001250	40N	ZTC	Canada-Pacific
1251	1	1000001251	1000001251	40N	ZTC	Canada-Pacific
1252	1	1000001252	1000001252	40N	ZTC	Canada-Pacific
1253	1	1000001253	1000001253	40N	ZTC	Canada-Pacific
1254	1	1000001254	1000001254	40N	ZTC	Canada-Pacific
1255	1	1000001255	1000001255	40N	ZTC	Canada-Pacific
1256	1	1000001256	1000001256	40N	ZTC	Canada-Pacific
1257	1	1000001257	1000001257	40N	ZTC	Canada-Pacific
1258	1	1000001258	1000001258	40N	ZTC	Canada-Pacific
1259	1	1000001259	1000001259	40N	ZTC	Canada-Pacific
1260	1	1000001260	1000001260	40N	ZTC	Canada-Pacific

▼ Satellite

Canada

Visible

g. Alaska

CONUS Atlantic Mexico/Caribbean South America Pacific Canada **Alaska** Single Site Radar/VAD Winds

- ▶ Current Weather
- ▶ General Forecasts (Prog Charts)
- ▶ Icing
- ▶ Other
- ▶ Radar
- ▶ Satellite
- ▶ Weather Cameras
- ▶ Sectionals
- ▶ UAS Operating Areas

▼ Current Weather

Surface Map

Alaska

Wx Depiction

Alaska



▼ General Forecasts (Prog Charts)

Significant Weather Progs

24 Hr 36 Hr 48 Hr

Hi-Level Sig Progs

0 Hr 6 Hr 12 Hr 18 Hr

▼ Icing

Icing / Freezing Levels

Alaska

Selecting Icing / Freezing Levels for Alaska will open the OAA's Nation Weather Service – Alaska Aviation Weather Unit Icing Forecast Summary in a separate tab or window <http://aawu.arh.noaa.gov/index.php?tab=2&subtab=2>.



▼ Other

IFR/MVFR-WND-TSTMS-Active Volcanos

Alaska

Turbulence

Alaska

Selecting Turbulence for Alaska will open the OAA's Nation Weather Service – Alaska Aviation Weather Unit Turbulence Forecast Summary in a separate tab or window <http://aawu.arh.noaa.gov/index.php?tab=2&subtab=3>.



▼ Radar

Mosaic Base Reflectivity (10min)

Alaska

▼ Satellite

Alaska

Infrared

▼ Weather Cameras

Weather Cameras

Alaska

Selecting Weather Cameras for Alaska will open the Aviation Cameras Home - Federal Aviation Administration web site in a separate tab or window <http://avcams.faa.gov/>.



▼ Sectionals

- Anchorage
- Bethel
- Cape Lisburne
- Cold Bay
- Dawson
- Dutch Harbor
- Fairbanks
- Juneau
- Ketchikan
- Kodiak
- McGrath
- Nome
- Point Barrow
- Seward
- Western Aleutian Islands East
- Western Aleutian Islands West
- Whitehorse



▼ UAS Operating Areas

UAS Operating Area

- Alaska

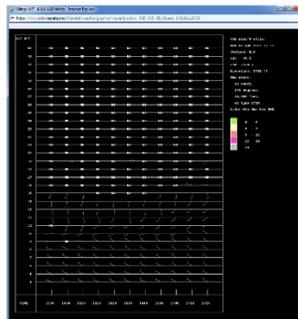
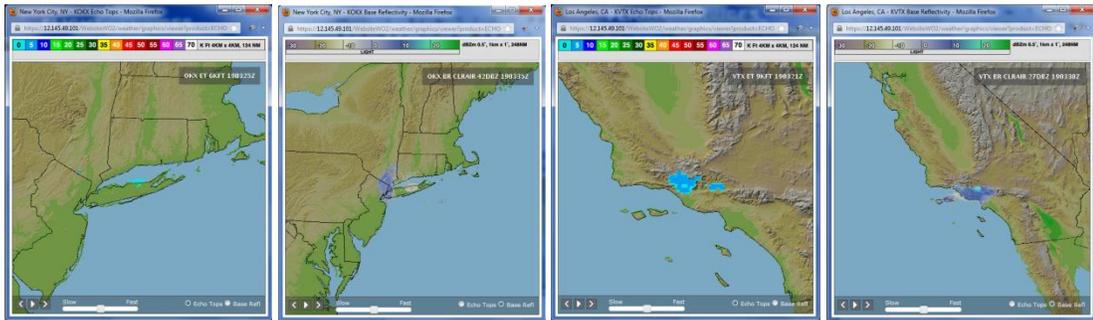


h. Single Site Radar/VAD Winds

CONUS Atlantic Mexico/Caribbean South America Pacific Canada Alaska **Single Site Radar/VAD Winds**

Select a site:

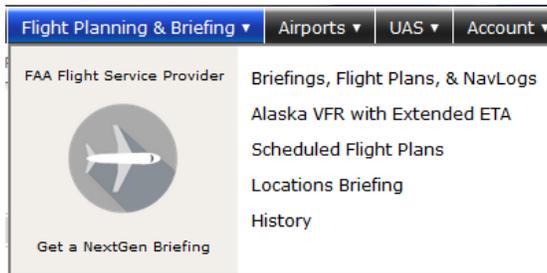
- KBGM - Binghamton, NY - KBGM
- KENX - Albany, NY - KENX
- KEOX - Fort Rucker, AL - KEOX
- KEPZ - El Paso, TX - KEPZ
- KESX - Las Vegas, NV - KESX
- KEVX - Eglin AFB, FL - KEVX
- KEWX - Austin San Antonio, TX - KEWX
- KEYX - Edwards AFB, CA - KEYX
- KFCX - Roanoke, VA - KFCX
- KFDR - Altus AFB, OK - KFDR
- KFDX - Cannon AFB, NM - KFDX
- KFFC - Atlanta, GA - KFFC
- KFSD - Sioux Falls, SD - KFSD
- KFSX - Flagstaff, AZ - KFSX
- KFTG - Denver, CO - KFTG
- KFWS - Dallas Ft. Worth, TX - KFWS
- KGWV - Glasgow, MT - KGGW
- KGJX - Grand Junction, CO - KGJX
- KGLD - Goodland, KS - KGLD
- KGRB - Green Bay, WI - KGRB
- KGRK - Fort Hood, TX - KGRK



8. Flight Planning & Briefing

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

- a. Briefings, Flight Plans & NavLogs
- b. Alaska VFR with Extended ETA
- c. Scheduled Flight Plans (Displayed with PSFP access)
- d. Locations Briefing
- e. History



Briefings, Flight Plans & NavLogs

The Briefings, Flight Plans & NavLogs 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.

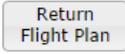
The Briefings, Flight Plans & NavLogs page supports both Domestic and ICAO compliant flight plans. Each flight plan form is offered as a separate template because of the differences in requirements between Domestic and International (ICAO) flight plans.

You can switch between the two templates by clicking on the Domestic or ICAO button on the top right of the page .

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 will be lost due to it no longer being relevant in the return route of the flight.

Alaska VFR with Extended ETA

The Alaska VFR with Extended ETA page supports VFR flight plans within Alaska with up to two weeks of flight duration.

8.1. 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
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.

Flight Rule	Aircraft ID	Aircraft Type	Aircraft Equipment	No. of Aircraft	Heavy	Airspeed	Altitude (100s ft)	Optimize	
<input type="text"/> <small>Airport Info</small> <small>Area Brief</small>	<input type="text"/> <small>Airport Info</small> <small>Area Brief</small>	<input type="text"/> <small>Airport Info</small> <small>Area Brief</small>	<input type="text"/> <small>Airport Info</small> <small>Area Brief</small>	<input type="text" value="1"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Optimize"/>	
Departure <input type="text"/> <small>Airport Info</small> <small>Area Brief</small>		Departure Date & Time <input type="text" value="MM/DD/YYYY"/> <input type="text" value="HHMM"/> <input type="text" value="EST"/> <input type="text" value="1-120"/> <input type="button" value="Apply Minutes From Now"/>		Route of Flight (Blank for direct) <input style="width: 100%; height: 20px;" type="text"/>					<input type="button" value="Map"/> <input type="button" value="Plan"/>
Destination <input type="text"/> <small>Airport Info</small> <small>Area Brief</small>		Time Enroute <input type="text" value="HHMM"/>	Fuel on Board <input type="text" value="HHMM"/>	Remarks (Optional) <input style="width: 100%; height: 20px;" type="text"/>			No. on Board <input type="text"/>		
Alternate 1 (Optional) <input type="text"/> <small>Airport Info</small> <small>Area Brief</small>		Alternate 2 (Optional) <input type="text"/> <small>Airport Info</small> <small>Area Brief</small>		Pilot Contact Information <input style="width: 100%; height: 20px;" type="text" value="LEIDOS, (11)111-1111"/>					
Aircraft Color <input type="text"/> <small>Airport Info</small> <small>Area Brief</small>		Route Briefing Settings Briefing Corridor <input type="text" value="50"/> nm Winds Aloft Corridor <input type="text" value="200"/> nm High Altitude Briefing <input type="checkbox"/>		Opt. Standard Brief Products <input checked="" type="checkbox"/> Flow Control Messages <input checked="" type="checkbox"/> NHC Bulletins <input checked="" type="checkbox"/> Non-Location FDC NOTAMs <input checked="" type="checkbox"/> State Department NOTAMs <input checked="" type="checkbox"/> Military NOTAMs					

Standard Brief
Outlook Brief
Abbreviated Brief
Scheduled Email 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	• Standard Brief

DOMESTIC FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
		<ul style="list-style-type: none"> • Outlook Brief • Abbreviated Brief • File • Amend • Activate • Save Favorite • Optimize Altitude
<ul style="list-style-type: none"> • Aircraft ID 	<ul style="list-style-type: none"> • 1 letter followed by 1-6 alphanumeric characters Example: N0819W 	<ul style="list-style-type: none"> • Standard Brief • Outlook Brief • Abbreviated Brief • File • Amend • Activate • Dep/Dest/Altn1/Altn2 Area Brief • NavLog • Optimize Altitude • Evaluate Departure Time
<ul style="list-style-type: none"> • Aircraft Type 	<ul style="list-style-type: none"> • 1 letter followed by 1-3 alphanumeric characters <ul style="list-style-type: none"> ➤ Must be valid aircraft type in Aircraft Type Search • Examples: J2, C25A, B738 <p>Refer to Domestic Flight Plan Form, Aircraft Type Search for details.</p>	<ul style="list-style-type: none"> • File • Amend • Activate
<ul style="list-style-type: none"> • Aircraft Equipment 	<ul style="list-style-type: none"> • 1 letter <p>Refer to Domestic Flight Plan Form, Aircraft Equipment for details.</p>	<ul style="list-style-type: none"> • File • Amend • Activate
No. of Aircraft	<ul style="list-style-type: none"> • 1-2 digits Example: 1 	N/A
Heavy	<ul style="list-style-type: none"> • Aircraft takeoff weights of at least 300,000 pounds 	N/A
<ul style="list-style-type: none"> • Airspeed 	<ul style="list-style-type: none"> • Airspeed value “zero” not allowed • Knots: 2-4 digits, max of 3700 • 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) <p>Examples: 50, 100, 130, M100</p>	<ul style="list-style-type: none"> • Standard Brief • Outlook Brief • Abbreviated Brief • File • Amend • Activate • NavLog • Optimize Altitude • Evaluate Departure Time
<ul style="list-style-type: none"> • Altitude (100s ft) 	<ul style="list-style-type: none"> • Flight Level: 2-3 digits • OTP: OTP • OTP and Flight Level: OTP/ followed by 2-3 digits • VFR: VFR • VFR and Flight Level: VFR/ followed by 2-3 digits • ABV and Flight Level: ABV/ followed by 2-3 digits • Block Altitude: 2-3 digits followed by B and 2-3 digits <p>Examples: 65, 80, 210, VFR/095</p> <p>Additional Format Rules for Use of Altitude Optimization:</p> <p>IFR, MIFR flights:</p> <ul style="list-style-type: none"> ➤ Flight Level: 20-600 ➤ ABV and Flight Level: ABV/20-ABV/600 ➤ OTP and Flight Level: OTP/20-OTP/600 	<ul style="list-style-type: none"> • Standard Brief • Outlook Brief • Abbreviated Brief • File • Amend • Activate • NavLog • Optimize Altitude • Evaluate Departure Time

DOMESTIC FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	<ul style="list-style-type: none"> > VFR and Flight Level: VFR/25-VFR/179 <p>VFR, MVFR flights:</p> <ul style="list-style-type: none"> > Flight Level: 25-179 > ABV and Flight Level: ABV/25-ABV/179 > OTP and Flight Level: OTP/25-OTP/179 > VFR and Flight Level: VFR/25-VFR/179 <p>Additional Format Rules for Use of Evaluate Departure Time:</p> <p>IFR, MIFR, VFR, MVFR flights:</p> <ul style="list-style-type: none"> > Flight Level: 00-999 > ABV and Flight Level: ABV/00-ABV/999 > OTP and Flight Level: OTP/00-OTP/999 > VFR and Flight Level: VFR/01-VFR/179 > Block Altitude: 00B01-998B999 	
<ul style="list-style-type: none"> • Departure 	<ul style="list-style-type: none"> • 3-5 alphanumeric airport/heliport/navaid (default airport), or waypoint identifier Examples: HGR, KSEA, 9015 <p>Refer to Domestic Flight Plan Form, Departure/Destination/Alternates for details.</p> <ul style="list-style-type: none"> • 8-12 character latitude/longitude in the format aabb(A)(/)(c)ccdd(B), where parentheses denote optional characters <ul style="list-style-type: none"> > aa is degrees latitude in the range 00-90 > bb is minutes latitude in the range 00-59 > (c)cc is degrees longitude in the range 00-180 > dd is minutes longitude in the range 00-59 > (A) is either N or S (North or South, default to N if unspecified) > (B) is either W or E (West or East, default to W if unspecified) <p>Example: 4449N/7322W</p> <ul style="list-style-type: none"> > 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. <ul style="list-style-type: none"> • 8-11 alphanumeric fix-radial-distance in the format (A)(A)(A)AAAaabb, where parentheses denote optional characters <ul style="list-style-type: none"> > (A)(A)(A)AA is 2-5 alphanumeric airport/heliport/NAVAID/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 <p>Example: HGR001024</p>	<ul style="list-style-type: none"> • Standard Brief • Outlook Brief • Abbreviated Brief • File • Amend • Activate • Dep Area Brief • Save Favorite • NavLog • Optimize Altitude • Plan a Route • Evaluate Departure Time

DOMESTIC FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	For restrictions, refer to Flight Planning Restrictions .	
<ul style="list-style-type: none"> Departure Date & Time 	<ul style="list-style-type: none"> MM/DD/YYYY; based off of the selected time zone value HHMM; where HHMM are 4 digits, current time based off of the selected time zone value; if not available, will default to UTC time Time zone: <ul style="list-style-type: none"> AST ADT EST EDT CST CDT MST MDT PST PDT AKST AKDT HST UTC <p>Note: Both date and time can be automatically populated by an Apply Minutes From Now action.</p>	<ul style="list-style-type: none"> Standard Brief Outlook Brief Abbreviated Brief File Amend Activate Dep/Dest/Alt1/Alt2 Area Brief NavLog Optimize Altitude Evaluate Departure Time
Route of Flight (Leave blank for direct)	<ul style="list-style-type: none"> 2-558 characters 3-5 alphanumeric airport/heliport/NAVAID/waypoint identifier <p>Examples: HGR, KSEA, 90I5</p> <ul style="list-style-type: none"> 8-12 character latitude/longitude in the format aabb(A)(/)(c)ccdd(B), where parentheses denote optional characters <ul style="list-style-type: none"> > aa is degrees latitude in the range 00-90 > bb is minutes latitude in the range 00-59 > (c)cc is degrees longitude in the range 00-180 > dd is minutes longitude in the range 00-59 > (A) is either N or S (North or South, default to N if unspecified) > (B) is either W or E (West or East, default to W if unspecified) <p>Example: 4449N/7322W</p> <ul style="list-style-type: none"> 8-11 alphanumeric fix-radial-distance in the format (A)(A)(A)AAAaabb, where parentheses denote optional characters <ul style="list-style-type: none"> > (A)(A)(A)AA is 2-5 alphanumeric airport/heliport/NAVAID/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 <p>Example: HGR001024</p> <ul style="list-style-type: none"> V and J Airways <ul style="list-style-type: none"> > V Airway in the format Vd(d)(d), where parentheses denote optional digits 	N/A

DOMESTIC FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	<ul style="list-style-type: none"> ➤ J Airway in the format Jd(d)(d), where parentheses denote optional digits Examples: V469, J123 • Standard Instrument Departure (SID) <ul style="list-style-type: none"> ➤ 1 letter followed by 2-5 alphanumeric characters Example: DRWN6 • Standard Terminal Arrival Route (STAR) <ul style="list-style-type: none"> ➤ 1 letter followed by 2-5 alphanumeric characters Example: SKETR5 <p>Full Route Example: MRB V39 SDZ V3 FLO V437 CHS V1 STARY V437 KIZER V267 PAOLA</p> <p>For validations, refer to Route of Flight Validations.</p> <p>For restrictions, refer to Flight Planning Restrictions.</p>	
<ul style="list-style-type: none"> • Destination 	<ul style="list-style-type: none"> • 3-5 alphanumeric airport/heliport/navaid (default airport), or waypoint identifier Examples: HGR, KSEA, 90I5 <p>Refer to Domestic Flight Plan Form for details.</p> <ul style="list-style-type: none"> • 8-12 character latitude/longitude in the format aabb(A)(/)(c)ccdd(B), where parentheses denote optional characters <ul style="list-style-type: none"> ➤ aa is degrees latitude in the range 00-90 ➤ bb is minutes latitude in the range 00-59 ➤ (c)cc is degrees longitude in the range 00-180 ➤ dd is minutes longitude in the range 00-59 ➤ (A) is either N or S (North or South, default to N if unspecified) ➤ (B) is either W or E (West or East, default to W if unspecified) <p>Example: 4449N/7322W</p> <ul style="list-style-type: none"> ➤ 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. <ul style="list-style-type: none"> • 8-11 alphanumeric fix-radial-distance in the format (A)(A)(A)AAAaabb, where parentheses denote optional characters <ul style="list-style-type: none"> ➤ (A)(A)(A)AA is 2-5 alphanumeric airport/heliport/navaid/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 	<ul style="list-style-type: none"> • Standard Brief • Outlook Brief • Abbreviated Brief • File • Amend • Activate • Dest Area Brief • Save Favorite • NavLog • Optimize Altitude • Plan a Route • Evaluate Departure Time

DOMESTIC FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	Example: HGR001024 For restrictions, refer to Flight Planning Restrictions .	
<ul style="list-style-type: none"> Time Enroute 	<ul style="list-style-type: none"> HHMM; where HHMM are 4 digits Example: 0430 	<ul style="list-style-type: none"> File Amend Activate
<ul style="list-style-type: none"> Fuel on Board 	<ul style="list-style-type: none"> HHMM; where HHMM are 4 digits Example: 0600 	<ul style="list-style-type: none"> File Amend Activate
Remarks	<ul style="list-style-type: none"> 1-325 characters Example: STUDENT SOLO FLIGHT <ul style="list-style-type: none"> 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. 	N/A
<ul style="list-style-type: none"> No. on Board 	<ul style="list-style-type: none"> 1-3 digits Example: 1 	<ul style="list-style-type: none"> File Amend Activate
Alternate 1	<ul style="list-style-type: none"> 3-4 alphanumeric airport/heliport identifier Examples: HGR, KSEA, 9015 Refer to Domestic Flight Plan Form, Departure/Destination/Alternates for details. For restrictions, refer to Flight Planning Restrictions .	<ul style="list-style-type: none"> Alt Area Brief
Alternate 2	<ul style="list-style-type: none"> 3-4 alphanumeric airport/heliport identifier Examples: HGR, KSEA, 9015 Refer to Domestic Flight Plan Form, Departure/Destination/Alternates for details. For restrictions, refer to Flight Planning Restrictions .	<ul style="list-style-type: none"> Alt2 Area Brief
<ul style="list-style-type: none"> Pilot Contact Information 	<ul style="list-style-type: none"> 1-200 characters Example: JONES, BOB, (202) 555-1111 HGR, (301) 555-2222 	<ul style="list-style-type: none"> File Amend Activate
Beacon Code	<ul style="list-style-type: none"> 4 octal digits (0000-7777). Only Present on form if assigned. Value cannot be changed by user. 	N/A
<ul style="list-style-type: none"> Aircraft Color 	<ul style="list-style-type: none"> 1-15 letters <ul style="list-style-type: none"> Use a / to separate colors Examples: W, R/T Refer to Domestic Flight Plan Form, Aircraft Color for details.	<ul style="list-style-type: none"> File Amend Activate
Route Briefing Settings		
Briefing Corridor	<ul style="list-style-type: none"> Nautical Miles: 50, 75, or 100 <ul style="list-style-type: none"> Default: 50 	N/A
Winds Aloft Corridor	<ul style="list-style-type: none"> Nautical Miles 100, 200, 300, 600 <ul style="list-style-type: none"> Default: 200 	N/A
High Altitude Briefing	<ul style="list-style-type: none"> Select checkbox when altitude is at or above FL180 to exclude enroute METARs and TAFs from the briefing. <ul style="list-style-type: none"> Default: not checked 	N/A
Optional Standard Brief Products		

DOMESTIC FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
Flow Control Messages	<ul style="list-style-type: none"> Select checkbox when Flow Control Messages are required in Standard Brief 	N/A
NHC Bulletins	<ul style="list-style-type: none"> Select checkbox when NHC Bulletins are required in Standard Brief 	N/A
Non-Location FDC NOTAMs	<ul style="list-style-type: none"> Select checkbox when Non-Location FDC NOTAMs are required in Standard Brief 	N/A
State Department NOTAMs	<ul style="list-style-type: none"> Select checkbox when State Department NOTAMs are required in Standard Brief 	N/A
Military NOTAMs	<ul style="list-style-type: none"> Select checkbox when Military NOTAMs are required in Standard Brief 	N/A

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.

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.

Aircraft ID <input type="text"/>	Flight Rule <input type="text"/>	Flight Type (Optional) <input type="text"/>	No. of Aircraft <input type="text" value="1"/>	Aircraft Type <input type="text"/>	Wake Turbulence <input type="text"/>	Aircraft Equipment <input type="text"/>
Departure <input type="text"/>		Departure Date & Time MM/DD/YYYY HHMM EST <input type="text"/> <input type="text"/> <input type="text"/>		Cruising Speed <input type="text"/>	Level <input type="text"/>	Surveillance Equipment <input type="text"/>
Route of Flight <input type="text" value="DCT"/>				Other Information (Optional) <input type="text"/>		
Destination <input type="text"/>		Est Elapsed Time HHMM <input type="text"/>		Alternate 1 (Optional) <input type="text"/>		Alternate 2 (Optional) <input type="text"/>
Fuel Endurance HHMM <input type="text"/>	Persons on Board <input type="text"/>	Aircraft Color & Markings (Optional) <input type="text"/>		Supplemental Remarks (Optional) <input type="text"/>		Pilot In Command (Optional) <input type="text"/>
Emergency Radios <input type="checkbox"/> UHF <input type="checkbox"/> VHF <input type="checkbox"/> ELBA	Survival Equipment <input type="checkbox"/> Polar <input type="checkbox"/> Desert <input type="checkbox"/> Maritime <input type="checkbox"/> Jungle	Jackets <input type="checkbox"/> Light <input type="checkbox"/> Fluorescent <input type="checkbox"/> UHF <input type="checkbox"/> VHF		Dinghies (Optional) Number <input type="text"/> Capacity <input type="text"/> Color <input type="text"/> Covered <input type="checkbox"/>		
Pilot Contact Information <input type="text" value="LEIDOS, (11)111-1111"/>		Route Briefing Settings Briefing Corridor <input type="text" value="50"/> nm Winds Aloft Corridor <input type="text" value="200"/> nm High Altitude Briefing <input type="checkbox"/>		Opt. Standard Brief Products <input checked="" type="checkbox"/> Flow Control Messages <input checked="" type="checkbox"/> NHC Bulletins <input checked="" type="checkbox"/> Non-Location FDC NOTAMs <input checked="" type="checkbox"/> State Department NOTAMs <input checked="" type="checkbox"/> Military NOTAMs		

ICAO FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
ICAO Flight Plan		
<ul style="list-style-type: none"> Aircraft ID 	<ul style="list-style-type: none"> 1 letter followed by 1-6 alphanumeric characters Example: N0819W 	<ul style="list-style-type: none"> File Amend Activate Standard Brief Outlook Brief Abbreviated Brief Area Brief NavLog Optimize Altitude Evaluate Departure Time
<ul style="list-style-type: none"> Flight Rule 	<ul style="list-style-type: none"> VFR, IFR, YFR, or ZFR 	<ul style="list-style-type: none"> File Amend Activate Standard Brief Outlook Brief Abbreviated Brief

ICAO FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
		<ul style="list-style-type: none"> • Save As Favorite
Flight Type	<ul style="list-style-type: none"> • G, M, N, S, X, or D 	N/A
No. of Aircraft	<ul style="list-style-type: none"> • 1-2 digits Example: 1 	N/A
<ul style="list-style-type: none"> • Aircraft Type 	<ul style="list-style-type: none"> • 1 letter followed by 1-3 alphanumeric characters <ul style="list-style-type: none"> ➤ Must be valid aircraft type in Aircraft Type Search Examples: J2, C25A, B738 <p>Refer to ICAO Flight Plan Form for details.</p>	<ul style="list-style-type: none"> • File • Amend • Activate
<ul style="list-style-type: none"> • Wake Turbulence 	<ul style="list-style-type: none"> • H - Aircraft takeoff weights of at least 300,000 pounds • M - Aircraft takeoff weights greater than 15,000 pounds, but less than 300,000 pounds • L - Aircraft takeoff weights of 15,000 pounds or less • The Wake Turbulence will be automatically populated based on the Aircraft Type. <p>Refer to ICAO Flight Plan Form for details.</p>	<ul style="list-style-type: none"> • File • Amend • Activate
<ul style="list-style-type: none"> • Aircraft Equipment 	<ul style="list-style-type: none"> • 1-64 alphanumeric characters <ul style="list-style-type: none"> ➤ Use Aircraft Equipment helper dialog for assistance. ➤ If the value R is entered, then Other Information must contain a PBN/ value. ➤ If the value Z is entered, then Other Information must contain either a NAV/, DAT/ or COM/ value. Examples: F, E3G, M3 <p>Refer to ICAO Flight Plan Form for details.</p>	<ul style="list-style-type: none"> • File • Amend • Activate
<ul style="list-style-type: none"> • Departure 	<ul style="list-style-type: none"> • 3-4 alphanumeric airport identifier Examples: KSEA, KHGR • 2-5 alphanumeric significant point • 11 character latitude/longitude in the format aabbAccdddB <ul style="list-style-type: none"> ➤ 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) Example: 4449N07322W • 8-11 alphanumeric fix-radial-distance in the format (A)(A)(A)AAaabb, where parentheses denote optional characters <ul style="list-style-type: none"> ➤ (A)(A)(A)AA is 2-5 alphanumeric airport/heliport/navaid/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 Example: HGR001024 • ZZZZ or AFIL <ul style="list-style-type: none"> ➤ If ZZZZ or AFIL is entered, then a location of one of the above formats must be provided in DEP/ in the Other information field <p>For restrictions, refer to Flight Planning Restrictions</p>	<ul style="list-style-type: none"> • File • Amend • Activate • Standard Brief • Outlook Brief • Abbreviated Brief • Departure Area Brief • Save As Favorite • NavLog • Optimize Altitude • Plan a Route • Evaluate Departure Time
<ul style="list-style-type: none"> • Departure Date & Time 	<ul style="list-style-type: none"> • MM/DD/YYYY; based off of the selected time zone value • HHMM; where HHMM are 4 digits, current time based off of the selected time zone value; if not available, will default to UTC time 	<ul style="list-style-type: none"> • Standard Brief • Outlook Brief • Abbreviated Brief • File • Amend • Activate • Area Brief • NavLog • Optimize Altitude • Evaluate Departure Time

ICAO FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	<ul style="list-style-type: none"> Time zone: <ul style="list-style-type: none"> AST ADT EST EDT CST CDT MST MDT PST PDT AKST AKDT HST UTC <p>Note: Both date and time can be automatically populated by an Apply Minutes From Now action.</p>	
• Cruising Speed	<ul style="list-style-type: none"> Airspeed value "zero" not allowed Knots: N followed by 4 digits, max of 3700 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) <p>Examples: N0100, M100</p>	<ul style="list-style-type: none"> Standard Brief Outlook Brief Abbreviated Brief File Amend Activate NavLog Optimize Altitude Evaluate Departure Time
• Level	<ul style="list-style-type: none"> Altitude in hundreds of feet, for flights below 18,000 feet, minimum is 100 feet: A followed by 3 digits (A095 = 9,500 feet) Flight Level in hundreds of feet, for flights at or above 18,000 feet: F followed by 3 digits (F195 = 19,500 feet) Altitude in tens of meters: M followed by 4 digits (M0230 = 2,300 meters) Standard Metric Level in tens of meters: S followed by 4 digits (S1230 = 12,300 meters) VFR with Altitude in hundreds of feet, minimum is 100 feet: VFR/ followed by 3 digits (VFR/170 = 17,000 feet) VFR: VFR <p>Examples: A095, F190, M0230, S1000, VFR/123</p> <p>Additional Format Rules for Use of Altitude Optimization:</p> <p>IFR, YFR flights:</p> <ul style="list-style-type: none"> A020-A179 F180-F600 M0061-M1828 S0061-S1828 VFR/025-VFR/179 <p>VFR, ZFR flights:</p> <ul style="list-style-type: none"> A025-A179 M0077-M0548 S0077-S0548 VFR/025-VFR/179 <p>Additional Format Rules for Use of Evaluate Departure Time:</p> <p>IFR, YFR, VFR, ZFR flights:</p> <ul style="list-style-type: none"> A001-A179 F180-F999 M0000-M3048 S0000-S3048 VFR/001-VFR/179 	<ul style="list-style-type: none"> Standard Brief Outlook Brief Abbreviated Brief File Amend Activate NavLog Optimize Altitude Evaluate Departure Time
• Surveillance Equipment	<ul style="list-style-type: none"> 1-11 alphanumeric characters Use Surveillance Equipment helper dialog for assistance. <p>Examples: S, X, SV1</p> <p>Refer to ICAO Flight Plan Form for details.</p>	<ul style="list-style-type: none"> File Amend Activate

ICAO FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
<ul style="list-style-type: none"> Route of Flight 	<ol style="list-style-type: none"> 2-558 characters 3-5 alphanumeric airport/heliport/NAVAID/waypoint identifier Examples: KSEA, KHGR 8-12 character latitude/longitude in the format aabb(A)(/)(c)ccdd(B), where parentheses denote optional characters <ul style="list-style-type: none"> aa is degrees latitude in the range 00-90 bb is minutes latitude in the range 00-59 (c)cc is degrees longitude in the range 00-180 dd is minutes longitude in the range 00-59 (A) is either N or S (North or South, default to N if unspecified) (B) is either W or E (West or East, default to W if unspecified) <p>Example: 4449N/7322W</p> 8-11 alphanumeric fix-radial-distance in the format (A)(A)(A)AAaabb, where parentheses denote optional characters <ul style="list-style-type: none"> (A)(A)(A)AA is 2-5 alphanumeric airport/heliport/NAVAID/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 <p>Example: HGR001024</p> V and J Airways <ul style="list-style-type: none"> V Airway in the format Vd(d)(d), where parentheses denote optional digits J Airway in the format Jd(d)(d), where parentheses denote optional digits <p>Examples: V469, J123</p> Standard Instrument Departure (SID) <ul style="list-style-type: none"> 1 letter followed by 2-5 alphanumeric characters <p>Example: DRWN6</p> Standard Terminal Arrival Route (STAR) <ul style="list-style-type: none"> 1 letter followed by 2-5 alphanumeric characters <p>Example: SKETR5</p> Cruising Speed and/or Level change at a point in the route, in the format <point>/<speed><altitude> <ul style="list-style-type: none"> <point> as defined in items 2, 3, and 4 above <speed> is in the same format as the Cruising Speed field <altitude> is in the same format as the Level field Must include both Speed and Level values, even if only one is changing <p>Example: MSN/N0150A095</p> Flight Rules change at a point in the route, in the format: <ul style="list-style-type: none"> <point><space><VFR or IFR> Example: MSN240020 VFR Or with a speed/altitude change: <point>/<speed><altitude><space><VFR or IFR> <ul style="list-style-type: none"> <point> as defined in items 2, 3, and 4 above <speed> is in the same format as the Cruising Speed field <altitude> is in the same format as the Level field Must include both Speed and Level, even if only one is changing <p>Example: MSN/N0150A095 IFR</p> <p>Full Route Example: MRB V39 SDZ V3 FLO V437 CHS V1 STARY V437 KIZER V267 PAOLA</p> 	<ul style="list-style-type: none"> File Amend Activate

ICAO FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	<p>For validations, refer to Route of Flight Validations.</p> <p>For restrictions, refer to Flight Planning Restrictions.</p>	
<ul style="list-style-type: none"> • Destination 	<ul style="list-style-type: none"> • 3-4 alphanumeric airport identifier Examples: KSEA, KHGR • 2-5 alphanumeric significant point • 11 character latitude/longitude in the format aabbAccdddB <ul style="list-style-type: none"> ➤ 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) Example: 4449N07322W • 8-11 alphanumeric fix-radial-distance in the format (A)(A)(A)AAaabb, where parentheses denote optional characters <ul style="list-style-type: none"> ➤ (A)(A)(A)AA is 2-5 alphanumeric airport/heliport/navaid/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 Example: HGR001024 • ZZZZ <ul style="list-style-type: none"> ➤ If ZZZZ is entered, then a location of one of the above formats must be provided in DEST/ in the Other information field <p>For restrictions, refer to Flight Planning Restrictions</p>	<ul style="list-style-type: none"> • File • Amend • Activate • Standard Brief • Outlook Brief • Abbreviated Brief • Destination Area Brief • Save As Favorite • NavLog • Optimize Altitude • Plan a Route • Evaluate Departure Time
<ul style="list-style-type: none"> • Est Elapsed Time 	<ul style="list-style-type: none"> • HHMM; where HHMM are 4 digits Example: 0530 • If 0000 is entered, then the Estimated Time of Arrival must be provided in the ETA field. 	<ul style="list-style-type: none"> • File • Amend • Activate
<ul style="list-style-type: none"> • ETA 	<ul style="list-style-type: none"> • DDHHMM; where DDHHMM are 6 digits Example: 040530 • Time zone will default to the selected time zone in Departure Date & Time field. • Estimated Time of Arrival must be at least 100 hours or more than the Departure Date & Time. • Estimated Time of Arrival cannot be more than 27 days from Departure Date & Time. 	<ul style="list-style-type: none"> • File • Amend • Activate
<ul style="list-style-type: none"> • Alternate 1 	<ul style="list-style-type: none"> • 3-4 alphanumeric airport identifier Examples: KSEA, KHGR • 2-5 alphanumeric significant point • 11 character latitude/longitude in the format aabbAccdddB <ul style="list-style-type: none"> ➤ 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 	<ul style="list-style-type: none"> • Alternate 1 Area Brief

ICAO FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	<ul style="list-style-type: none"> ➤ A is either N or S (North or South) ➤ B is either E or W (East or West) <p>Example: 4449N07322W</p> <ul style="list-style-type: none"> • 8-11 alphanumeric fix-radial-distance in the format (A)(A)(A)AAaabb, where parentheses denote optional characters <ul style="list-style-type: none"> ➤ (A)(A)(A)AA is 2-5 alphanumeric airport/heliport/navaid/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 <p>Example: HGR001024</p> <ul style="list-style-type: none"> • ZZZZ <ul style="list-style-type: none"> ➤ If ZZZZ is entered, then a location of one of the above formats must be provided in ALTN in the Other information field <p>For restrictions, refer to Flight Planning Restrictions</p>	
Alternate 2	<ul style="list-style-type: none"> • 3-4 alphanumeric airport identifier <p>Examples: KSEA, KHGR</p> <ul style="list-style-type: none"> • 2-5 alphanumeric significant point • 11 character latitude/longitude in the format aabbAcccddB <ul style="list-style-type: none"> ➤ 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) <p>Example: 4449N07322W</p> <ul style="list-style-type: none"> • 8-11 alphanumeric fix-radial-distance in the format (A)(A)(A)AAaabb, where parentheses denote optional characters <ul style="list-style-type: none"> ➤ (A)(A)(A)AA is 2-5 alphanumeric airport/heliport/navaid/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 <p>Example: HGR001024</p> <ul style="list-style-type: none"> • ZZZZ <ul style="list-style-type: none"> ➤ If ZZZZ is entered, then a location of one of the above formats must be provided in ALTN in the Other information field <p>For restrictions, refer to Flight Planning Restrictions</p>	<ul style="list-style-type: none"> • Alternate 2 Area Brief
Beacon Code	<ul style="list-style-type: none"> • 4 octal digits (0000-7777). Only present on form if assigned. Value cannot be changed by user. 	N/A
Other Information	<ul style="list-style-type: none"> • 1-325 alphanumeric characters, spaces, and forward slash (/) <ul style="list-style-type: none"> ➤ 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"> ➤ 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: STS/ALTRV ➤ PBN/: Enter RNAV and/or RNP capabilities. A maximum of 8 codes may be entered. Aircraft Equipment field must contain "R". Example: PBN/A1 ➤ NAV/: Enter significant data related to navigation equipment, other than that specified in PBN/ subfield. A "Z" will be automatically inserted into 	

ICAO FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	<p>the Aircraft Equipment field. This subfield is a free text field.</p> <p>Example: NAV/MYEQUIPMENT</p> <ul style="list-style-type: none"> ➤ 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. <p>Example: COM/MYEQUIPMENT</p> <ul style="list-style-type: none"> ➤ 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. <p>Example: DAT/MYEQUIPMENT</p> <ul style="list-style-type: none"> ➤ SUR/: Enter the surveillance capabilities of the aircraft not specified in the Surveillance Equipment field. This subfield is a free text field. <p>Example: SUR/MYEQUIPMENT</p> <ul style="list-style-type: none"> ➤ 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"> ➤ 3-4 alphanumeric airport identifier ➤ 2-5 alphanumeric significant point ➤ 11 character latitude longitude in the format aabbAccdddB <ul style="list-style-type: none"> ➤ 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) ➤ 8-11 alphanumeric fix-radial-distance in the format (A)(A)(A)AAaaabbb, where parentheses denote optional characters <ul style="list-style-type: none"> ➤ (A)(A)(A)AA is 2-5 alphanumeric airport/heliport/NAVAID/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 <p>Example: DEP/KHGR Example: DEP/4449N07322W Example: DEP/HGR001024</p> <ul style="list-style-type: none"> ➤ Location name is required following latitude/longitude when latitude/longitude is used for the DEP/ and/or DEST/ subfields. ➤ 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>Example: DEST/KHGR Example: DEST/4449N07322W Example: DEST/HGR001024</p> <ul style="list-style-type: none"> ➤ 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>Example: DOF/141025</p>	

ICAO FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	<ul style="list-style-type: none"> ➤ REG/: Enter the nationality or registration mark of the aircraft. This subfield is a free text field. Example: REG/UNITEDSTATES ➤ 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). EET/<position><time> or EET/<position1><time1><sp><position2><time2><sp><position3><time3> Example: EET/CZEG0026 ➤ SEL/: Enter the SELCAL (Selective Calling) code for aircraft so equipped. This subfield is a free text field. Example: SEL/ABCD ➤ TYP/: Enter the aircraft type, if ZZZZ is entered into the Aircraft Type field. This subfield is a free text field. Example: TYP/J2 ➤ CODE/: Enter the aircraft address, which is expressed in the form of an alphanumerical code of six hexadecimal characters. Example: CODE/AC82EC ➤ 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/<significant point>HHMM or DLE/<significant point>HHMM<space><significant point>HHMM. The <significant point> can be one of the following formats: <ul style="list-style-type: none"> ➤ 3-4 alphanumeric airport identifier ➤ 2-5 alphanumeric significant point ➤ 11 character latitude longitude in the format aabbAcccddB <ul style="list-style-type: none"> ➤ 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) ➤ 8-11 alphanumeric fix-radial-distance in the format (A)(A)(A)AAaaabbb, where parentheses denote optional characters <ul style="list-style-type: none"> ➤ (A)(A)(A)AA is 2-5 alphanumeric airport/heliport/NAVAID/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 Example: DLE/4449N07322W0045 ➤ OPR/: Enter the ICAO designator or name of the aircraft operating agency. This subfield is a free text field. Example: OPR/MYAGENCY	

ICAO FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	<ul style="list-style-type: none"> ➤ ORGN/: Enter the originator's 8 letter AFTN address. Example: ORGN/AFTNADDRESS ➤ PER/: Enter the aircraft performance data. This subfield accepts one of the following codes: A, B, C, D, E, or H. Example: PER/H ➤ 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. Example: ALTN/KHGR Example: ALTN/4449N07322W Example: ALTN/HGR001024 ➤ RALT/: Enter the en-route alternate airports. Use the same rules as the DEP/ subfield. Example: RALT/KHGR Example: RALT/4449N07322W Example: RALT/HGR001024 ➤ TALT/: Enter one take-off alternate aerodrome. Use the same rules as the DEP/ subfield. Example: TALT/KHGR Example: TALT/4449N07322W Example: TALT/HGR001024 ➤ 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. Example: RIF/KHGR ➤ RMK/: Enter any other plain language remarks for the flight plan. This subfield is a free text field. Example: RMK/STUDENT PILOT <p>Refer to ICAO Flight Plan – Other Information Field for details.</p>	
Supplementary Information		
• Fuel Endurance	• HHMM; where HHMM are 4 digits Example: 0530	• File • Amend • Activate
• Persons on Board	• 1-30 alphanumeric characters, spaces, and backslash “\” Example: 1, TWO, 3\4	• File • Amend • Activate
• Aircraft Color & Markings	• 1-500 alphanumeric characters, spaces, and backslash “\” Example: B\BE AND RED	• N/A
Emergency Equipment		
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
Dinghies		
Number	• 1-2 digits Example: 01	N/A
Capacity	• 1-3 digits Example: 003	N/A
Covered	• Select if dinghies are covered	N/A
Color	• 1-20 alpha characters including spaces Example: B	N/A
Supplemental Remarks	• 1-500 alphanumeric characters, spaces, and backslash “\” Example: STUDENT SOLO FLIGHT	N/A
Pilot in Command	• 1-201 alphanumeric characters, spaces, and backslash “\” Example: Jones 202 555 1111	N/A

ICAO FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
<ul style="list-style-type: none"> Pilot Contact Information 	<ul style="list-style-type: none"> 1-200 characters Example: JONES, (202) 555-1111 HGR, (301) 555-2222 	<ul style="list-style-type: none"> File Amend Activate
Route Briefing Settings		
Route Corridor	<ul style="list-style-type: none"> Nautical Miles: 50, 75, or 100 	N/A
Winds Aloft Corridor	<ul style="list-style-type: none"> Nautical Miles 100, 200, 300, 600 > Default: 200 	N/A
High Altitude Briefing	<ul style="list-style-type: none"> Select checkbox when altitude is at or above FL180 to exclude enroute METARs and TAFs from the briefing > Default: not checked 	N/A
Optional Standard Brief Products		
Flow Control Messages	<ul style="list-style-type: none"> Select checkbox when Flow Control Messages are required in Standard Brief 	N/A
NHC Bulletins	<ul style="list-style-type: none"> Select checkbox when NHC Bulletins are required in Standard Brief 	N/A
Non-Location FDC NOTAMs	<ul style="list-style-type: none"> Select checkbox when Non-Location FDC NOTAMs are required in Standard Brief 	N/A
State Department NOTAMs	<ul style="list-style-type: none"> Select checkbox when State Department NOTAMs are required in Standard Brief 	N/A
Military NOTAMs	<ul style="list-style-type: none"> Select checkbox when Military NOTAMs are required in Standard Brief 	N/A

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.

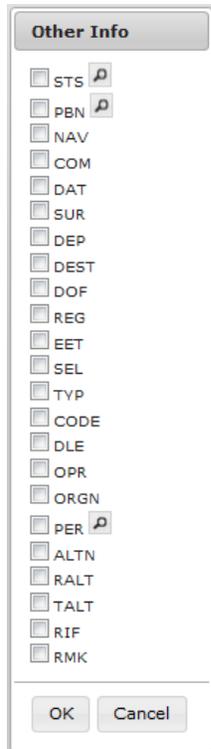
The entry "TYP/C172 RMK/THIS IS A REMARK" would be considered valid. The entry "RMK/THIS IS A REMARK TYP/C172" would be considered invalid because RMK cannot come before TYP. The entry "TYP/C172 TYP/C180 RMK/THIS IS A REMARK" would be considered invalid because TYP cannot appear more than once in the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



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.
- MARSAS – 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**

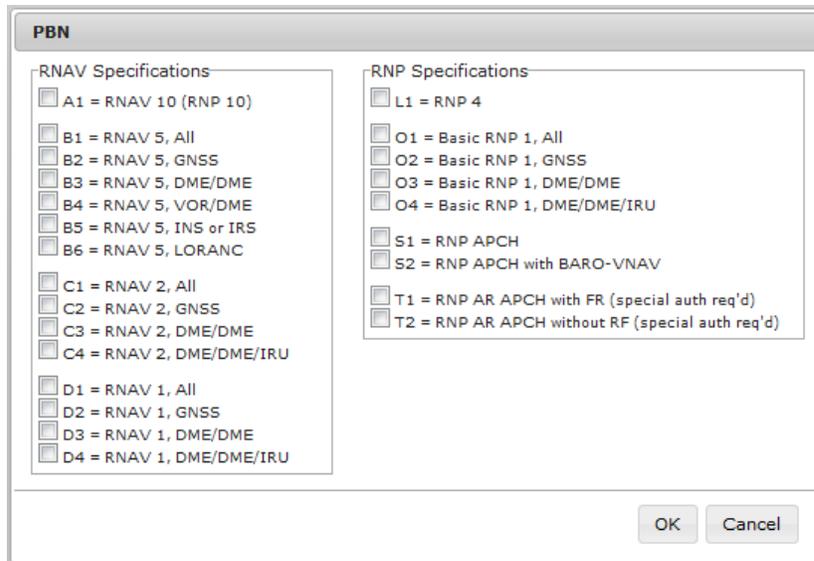
The PBN subfield is used to record RNAV and/or RNP capabilities. The capabilities are represented by the codes shown below.

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.



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
- 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)
- 8 – 11 alphanumeric fix-radial-distance in the format (A)(A)(A)AAaabb, where parentheses denote optional characters
 - (A)(A)(A)AA is 2-5 alphanumeric airport/heliport/navaid/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 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.

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
- 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)

- 8 – 11 alphanumeric fix-radial-distance in the format (A)(A)(A)AAaaabbb, where parentheses denote optional characters
 - (A)(A)(A)AA is 2-5 alphanumeric airport/heliport/navaid/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 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:

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)
- 8 – 11 alphanumeric fix-radial-distance in the format (A)(A)(A)AAaabb, where parentheses denote optional characters
 - (A)(A)(A)AA is 2-5 alphanumeric airport/heliport/navaid/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.

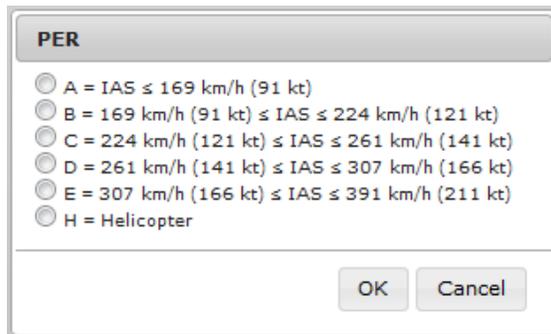
xviii. The PER subfield

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.



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
- 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)
- 8 – 11 alphanumeric fix-radial-distance in the format (A)(A)(A)AAaabb, where parentheses denote optional characters
 - (A)(A)(A)AA is 2-5 alphanumeric airport/heliport/navaid/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 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)
- 8 – 11 alphanumeric fix-radial-distance in the format (A)(A)(A)AAaaabbb, where parentheses denote optional characters
 - (A)(A)(A)AA is 2-5 alphanumeric airport/heliport/navaid/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)
- 8 – 11 alphanumeric fix-radial-distance in the format (A)(A)(A)AAaaabbb, where parentheses denote optional characters
 - (A)(A)(A)AA is 2-5 alphanumeric airport/heliport/navaid/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.

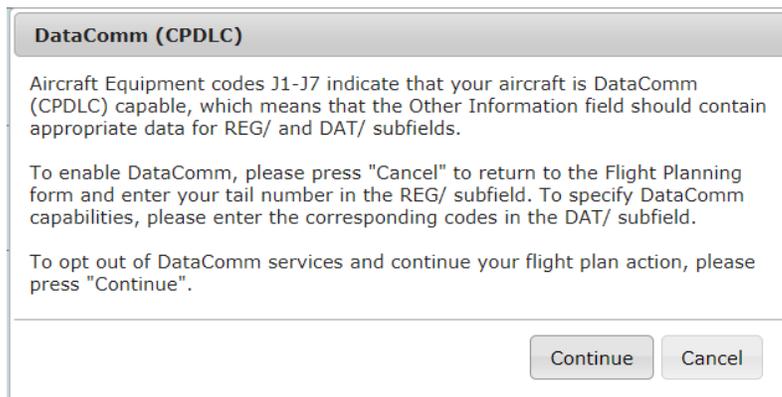
xxiii. The RMK subfield

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.



c. Alaska VFR with Extended ETA 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 Alaska VFR flight plan
Up to 2 weeks of flight duration

Flight Rule VFR	Aircraft ID <input type="text"/>	Aircraft Type <input type="text"/>	Aircraft Equipment <input type="text"/>	No. of Aircraft <input type="text" value="1"/>	Heavy <input type="checkbox"/>	Airspeed <input type="text"/>	Altitude (100s ft) <input type="text"/>	Optimize
Departure <input type="text"/>		Departure Date & Time MM/DD/YYYY HHMM EST <input type="text" value="1-120"/> Apply Minutes From Now		Route of Flight (Blank for direct) <input type="text"/>			Fuel on Board <input type="text" value="HHMM"/>	
Destination <input type="text"/>		Arrival Date & Time MM/DD/YYYY HHMM EST		Remarks (Optional) <input type="text"/>			No. on Board <input type="text"/>	
Alternate 1 (Optional) <input type="text"/>		Alternate 2 (Optional) <input type="text"/>		Pilot Contact Information LEIDOS, (11)111-1111				
Aircraft Color <input type="text"/>		Route Briefing Settings Briefing Corridor: <input type="text" value="50"/> nm Winds Aloft Corridor: <input type="text" value="200"/> nm High Altitude Briefing: <input type="checkbox"/>		Opt. Standard Brief Products <input checked="" type="checkbox"/> Flow Control Messages <input checked="" type="checkbox"/> NHC Bulletins <input checked="" type="checkbox"/> Non-Location FDC NOTAMS <input checked="" type="checkbox"/> State Department NOTAMS <input checked="" type="checkbox"/> Military NOTAMS				

Standard Brief Outlook Brief Abbreviated Brief Scheduled Email Brief File NavLog Return Flight Plan Clear

ALASKA VFR WITH EXTENDED ETA FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
Domestic Flight Plan		
<ul style="list-style-type: none"> Flight Rule (Read-only) 	<ul style="list-style-type: none"> VFR 	<ul style="list-style-type: none"> Standard Brief Outlook Brief Abbreviated Brief File Amend Activate Save Favorite Optimize Altitude
<ul style="list-style-type: none"> Aircraft ID 	<ul style="list-style-type: none"> 1 letter followed by 1-6 alphanumeric characters Example: N0819W 	<ul style="list-style-type: none"> Standard Brief Outlook Brief Abbreviated Brief File Amend Activate Dep/Dest/Altn1/Altn2 Area Brief NavLog Optimize Altitude Evaluate Departure Time
<ul style="list-style-type: none"> Aircraft Type 	<ul style="list-style-type: none"> 1 letter followed by 1-3 alphanumeric characters ➤ Must be valid aircraft type in Aircraft Type Search Examples: J2, C25A, B738 	<ul style="list-style-type: none"> File Amend Activate

ALASKA VFR WITH EXTENDED ETA FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	Refer to Domestic Flight Plan Form , Aircraft Type Search for details.	
• Aircraft Equipment	<ul style="list-style-type: none"> 1 letter Refer to Domestic Flight Plan Form , Aircraft Equipment for details.	<ul style="list-style-type: none"> File Amend Activate
No. of Aircraft	<ul style="list-style-type: none"> 1-2 digits Example: 1 	N/A
Heavy	<ul style="list-style-type: none"> Aircraft takeoff weights of at least 300,000 pounds 	N/A
• Airspeed	<ul style="list-style-type: none"> Knots: 2-4 digits, max of 3700 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) Examples: 50, 100, 130, M100 	<ul style="list-style-type: none"> Standard Brief Outlook Brief Abbreviated Brief File Amend Activate NavLog Optimize Altitude Evaluate Departure Time
• Altitude (100s ft)	<ul style="list-style-type: none"> Flight Level: 2-3 digits OTP: OTP OTP and Flight Level: OTP/ followed by 2-3 digits VFR: VFR VFR and Flight Level: VFR/ followed by 2-3 digits ABV and Flight Level: ABV/ followed by 2-3 digits Block Altitude: 2-3 digits followed by B and 2-3 digits Examples: 65, 80, 210, VFR/095 <p>Additional Format Rules for Use of Altitude Optimization:</p> <p>IFR, MIFR flights:</p> <ul style="list-style-type: none"> > Flight Level: 20-600 > ABV and Flight Level: ABV/20-ABV/600 > OTP and Flight Level: OTP/20-OTP/600 > VFR and Flight Level: VFR/25-VFR/179 <p>VFR, MVFR flights:</p> <ul style="list-style-type: none"> > Flight Level: 25-179 > ABV and Flight Level: ABV/25-ABV/179 > OTP and Flight Level: OTP/25-OTP/179 > VFR and Flight Level: VFR/25-VFR/179 	<ul style="list-style-type: none"> Standard Brief Outlook Brief Abbreviated Brief File Amend Activate NavLog Optimize Altitude Evaluate Departure Time
• Departure	<ul style="list-style-type: none"> 3-5 alphanumeric airport/heliport/navaid (default airport), or waypoint identifier Examples: HGR, KSEA, 90I5 Refer to Domestic Flight Plan Form , Departure/Destination/Alternates for details. <ul style="list-style-type: none"> 8-12 character latitude/longitude in the format aabb(A)(/)(c)ccdd(B), where parentheses denote optional characters <ul style="list-style-type: none"> > aa is degrees latitude in the range 00-90 	<ul style="list-style-type: none"> Standard Brief Outlook Brief Abbreviated Brief File Amend Activate Dep Area Brief Save Favorite NavLog Optimize Altitude Plan a Route Evaluate Departure Time

ALASKA VFR WITH EXTENDED ETA FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	<ul style="list-style-type: none"> > bb is minutes latitude in the range 00-59 > (c)cc is degrees longitude in the range 00-180 > dd is minutes longitude in the range 00-59 > (A) is either N or S (North or South, default to N if unspecified) > (B) is either W or E (West or East, default to W if unspecified) <p>Example: 4449N/7322W</p> <ul style="list-style-type: none"> > 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. <ul style="list-style-type: none"> • 8-11 alphanumeric fix-radial-distance in the format (A)(A)(A)AAaaabbb, where parentheses denote optional characters <ul style="list-style-type: none"> > (A)(A)(A)AA is 2-5 alphanumeric airport/heliport/NAVAID/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 <p>Example: HGR001024</p> <p>For restrictions, refer to Flight Planning Restrictions.</p>	
<ul style="list-style-type: none"> • Departure Date & Time 	<ul style="list-style-type: none"> • MM/DD/YYYY; based off of the selected time zone value • HHMM; where HHMM are 4 digits, current time based off of the selected time zone value; if not available, will default to UTC time • Time zone: <div style="border: 1px solid black; padding: 2px; width: fit-content;"> AST ADT EST EDT CST CDT MST MDT PST PDT AKST AKDT HST UTC </div> <p>Note: Both date and time can be automatically populated by an Apply Minutes From Now action</p>	<ul style="list-style-type: none"> • Standard Brief • Outlook Brief • Abbreviated Brief • File • Amend • Activate • Dep/Dest/Alt1/Alt2 Area Brief • NavLog • Optimize Altitude • Evaluate Departure Time
Route of Flight (Leave blank for direct)	<ul style="list-style-type: none"> • 2-558 characters • 3-5 alphanumeric airport/heliport/NAVAID/waypoint identifier <p>Examples: HGR, KSEA, 9OI5</p> <ul style="list-style-type: none"> • 8-12 character latitude/longitude in the format aabb(A)(/)(c)ccdd(B), where parentheses denote optional characters 	N/A

ALASKA VFR WITH EXTENDED ETA FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	<ul style="list-style-type: none"> > aa is degrees latitude in the range 00-90 > bb is minutes latitude in the range 00-59 > (c)cc is degrees longitude in the range 00-180 > dd is minutes longitude in the range 00-59 > (A) is either N or S (North or South, default to N if unspecified) > (B) is either W or E (West or East, default to W if unspecified) <p>Example: 4449N/7322W</p> <ul style="list-style-type: none"> • 8-11 alphanumeric fix-radial-distance in the format (A)(A)(A)AAAabbb, where parentheses denote optional characters <ul style="list-style-type: none"> > (A)(A)(A)AA is 2-5 alphanumeric airport/heliport/NAVAID/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 <p>Example: HGR001024</p> <ul style="list-style-type: none"> • V and J Airways <ul style="list-style-type: none"> > V Airway in the format Vd(d)(d), where parentheses denote optional digits > J Airway in the format Jd(d)(d), where parentheses denote optional digits <p>Examples: V469, J123</p> <ul style="list-style-type: none"> • Standard Instrument Departure (SID) <ul style="list-style-type: none"> > 1 letter followed by 2-5 alphanumeric characters <p>Example: DRWN6</p> <ul style="list-style-type: none"> • Standard Terminal Arrival Route (STAR) <ul style="list-style-type: none"> > 1 letter followed by 2-5 alphanumeric characters <p>Example: SKETR5</p> <p>Full Route Example: MRB V39 SDZ V3 FLO V437 CHS V1 STARY V437 KIZER V267 PAOLA</p> <p>For validations, refer to Route of Flight Validations.</p> <p>For restrictions, refer to Flight Planning Restrictions.</p>	
<ul style="list-style-type: none"> • Fuel on Board 	<ul style="list-style-type: none"> • HHMM; where HHMM are 4 digits <p>Example: 0600</p>	<ul style="list-style-type: none"> • File • Amend • Activate
<ul style="list-style-type: none"> • Destination 	<ul style="list-style-type: none"> • 3-5 alphanumeric airport/heliport/navaid (default airport), or waypoint identifier <p>Examples: HGR, KSEA, 90I5</p> <p>Refer to Domestic Flight Plan Form for details.</p>	<ul style="list-style-type: none"> • Standard Brief • Outlook Brief • Abbreviated Brief • File • Amend • Activate • Dest Area Brief • Save Favorite

ALASKA VFR WITH EXTENDED ETA FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	<ul style="list-style-type: none"> 8-12 character latitude/longitude in the format aabb(A)/(/)(c)ccdd(B), where parentheses denote optional characters <ul style="list-style-type: none"> > aa is degrees latitude in the range 00-90 > bb is minutes latitude in the range 00-59 > (c)cc is degrees longitude in the range 00-180 > dd is minutes longitude in the range 00-59 > (A) is either N or S (North or South, default to N if unspecified) > (B) is either W or E (West or East, default to W if unspecified) <p>Example: 4449N/7322W</p> <ul style="list-style-type: none"> > 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. <ul style="list-style-type: none"> 8-11 alphanumeric fix-radial-distance in the format (A)(A)(A)AAaaabbb, where parentheses denote optional characters <ul style="list-style-type: none"> > (A)(A)(A)AA is 2-5 alphanumeric airport/heliport/navaid/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 <p>Example: HGR001024</p> <p>For restrictions, refer to Flight Planning Restrictions.</p>	<ul style="list-style-type: none"> NavLog Optimize Altitude Plan a Route Evaluate Departure Time
• Arrival Date & Time	<ul style="list-style-type: none"> MM/DD/YYYY; based off of the selected time zone value HHMM; where HHMM are 4 digits, current time based off of the selected time zone value; if not available, will default to UTC time Time zone: <div style="border: 1px solid black; padding: 2px; width: fit-content;"> AST ADT EST EDT CST CDT MST MDT PST PDT AKST AKDT HST UTC </div> 	<ul style="list-style-type: none"> File Amend Activate
Remarks	<ul style="list-style-type: none"> 1-325 characters <p>Example: STUDENT SOLO FLIGHT</p> <ul style="list-style-type: none"> > Location name is required in the Remarks field when latitude/longitude is used for departure and/or destination. Use the displayed 	N/A

ALASKA VFR WITH EXTENDED ETA FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
	Latitude/Longitude Location Name dialog for assistance.	
• No. on Board	<ul style="list-style-type: none"> 1-3 digits Example: 1 	<ul style="list-style-type: none"> File Amend Activate
Alternate 1	<ul style="list-style-type: none"> 3-4 alphanumeric airport/heliport identifier Examples: HGR, KSEA, 9015 <p>Refer to Domestic Flight Plan Form, Departure/Destination/Alternates for details. For restrictions, refer to Flight Planning Restrictions.</p>	<ul style="list-style-type: none"> Alt Area Brief
Alternate 2	<ul style="list-style-type: none"> 3-4 alphanumeric airport/heliport identifier Examples: HGR, KSEA, 9015 <p>Refer to Domestic Flight Plan Form, Departure/Destination/Alternates for details. For restrictions, refer to Flight Planning Restrictions.</p>	<ul style="list-style-type: none"> Alt2 Area Brief
• Pilot Contact Information	<ul style="list-style-type: none"> 1-200 characters Example: JONES, BOB, (202) 555-1111 HGR, (301) 555-2222 	<ul style="list-style-type: none"> File Amend Activate
Beacon Code	<ul style="list-style-type: none"> 4 octal digits (0000-7777). Only Present on form if assigned. Value cannot be changed by user. 	N/A
• Aircraft Color	<ul style="list-style-type: none"> 1-15 letters ➤ Use a / to separate colors Examples: W, R/T <p>Refer to Domestic Flight Plan Form, Aircraft Color for details.</p>	<ul style="list-style-type: none"> File Amend Activate
Route Briefing Settings		
Briefing Corridor	<ul style="list-style-type: none"> Nautical Miles: 50, 75, or 100 ➤ Default: 50 	N/A
Winds Aloft Corridor	<ul style="list-style-type: none"> Nautical Miles 100, 200, 300, 600 ➤ Default: 200 	N/A
High Altitude Briefing	<ul style="list-style-type: none"> Select checkbox when altitude is at or above FL180 to exclude enroute METARs and TAFs from the briefing. ➤ Default: not checked 	N/A
Optional Standard Brief Products		
Flow Control Messages	<ul style="list-style-type: none"> Select checkbox when Flow Control Messages are required in Standard Brief 	N/A
NHC Bulletins	<ul style="list-style-type: none"> Select checkbox when NHC Bulletins are required in Standard Brief 	N/A
Non-Location FDC NOTAMs	<ul style="list-style-type: none"> Select checkbox when Non-Location FDC NOTAMs are required in Standard Brief 	N/A
State Department NOTAMs	<ul style="list-style-type: none"> Select checkbox when State Department NOTAMs are required in Standard Brief 	N/A
Military NOTAMs	<ul style="list-style-type: none"> Select checkbox when Military NOTAMs are required in Standard Brief 	N/A

➤ **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

d. Advanced Services

The following advanced services are available for flight plans.



Clicking on each of the advance service icons will display the dialog box to register for that device.

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

➤ **ATC Notices**

ATC Notices

When enabled, the contacts you choose will receive a notice when these flight plan events occur:

- Your IFR filed flight plan has been accepted by ATC.
- An ATC change to your flight plan's route is detected.

Registration Status: **Not Registered**

Messages will be sent to the contacts entered below

Add Email Address Add from My Contacts

OK Cancel

➤ **SE-SAR – Surveillance Enhanced Search And Rescue**

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.

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)
 Globalstar 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 (1 msg/Flight). Standard text message rates may apply. Text HELP to FLTSVC for help. Text STOP to FLTSVC to cancel.

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Registration Status: **Not Registered** [Mute]

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.

OK Cancel

➤ **ACAS – Adverse Condition Alerting Service**

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.

Per FAA Order 7110.10, adverse conditions include:

<i>Temporary Flight Restrictions (TFR)</i>	<i>AIRMETs (WA)</i>
<i>Airport/Runway Closures (AA)</i>	<i>Urgent Pilot Reports (UUA) / Special AIREPs (ARS)</i>
<i>SIGMETs (WS)</i>	<i>Severe Weather Watches (AWW)</i>
<i>Convective SIGMETs (WST)</i>	<i>Severe Weather (WW)</i>
<i>Center Weather Advisories (CWA)</i>	

The ACAS service will also send alert messages when UOAs are reported within 2,000 ft of the filed altitude, and for all UOAs reported within 10 nm of the departure or destination.

This service includes options for preflight and inflight alerting.

Notes: 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.

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" below.
 (Format: 8816 XXX XXXXX)
 View a list of [device providers](#) supporting ACAS.

Leidos Flt Svc will send messages to the Text Message Phone Numbers you select below (Variable msgs/Flight). Standard text message rates may apply. Text HELP to FLTSVC for help. Text STOP to FLTSVC to cancel.

[Terms of Service](#) [Privacy Policy](#)

Registration Status: **Not Registered** [Mute]

Alert 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.

Don't send alerts for conditions more than 4000 ft above my filed altitude

OK Cancel

➤ EasyActivate™ and EasyClose™

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 Flt Svc will send messages to the Text Message Phone Numbers you select below (Variable msg/Flight). Standard text message rates may apply. Text HELP to 240-883-5487 for help. Text STOP to 240-883-5487 to cancel.

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Registration Status: **Not Registered**

Messages will be sent to the contacts entered below

No contacts are currently registered.

➤ Close Reminders

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 (2 msgs/Flight). Standard text message rates may apply. Text HELP to FLTSVC for help. Text STOP to FLTSVC to cancel.

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Registration Status: **Not Registered**

Messages will be sent to the devices and contacts entered below

No devices or contacts are currently registered.

If more than one Special Device has been added from the Advanced Services Dashboard, the field Portable Device will be displayed under the Advanced Services icons.

Portable Device

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.

e. Flight Plan Helper Menu and Dialogs

i. Domestic Flight Plan Form

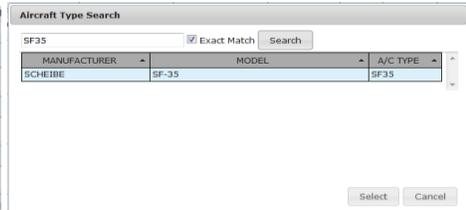
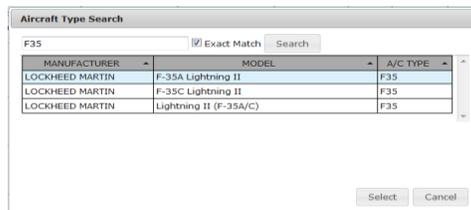
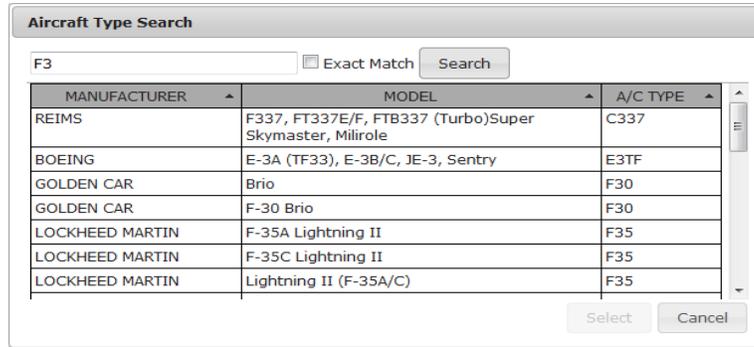
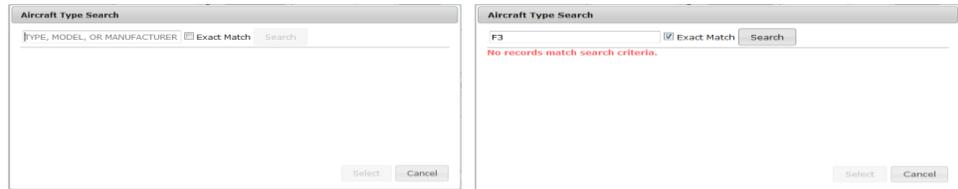
➤ **Aircraft Type – Aircraft Type Search**

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.

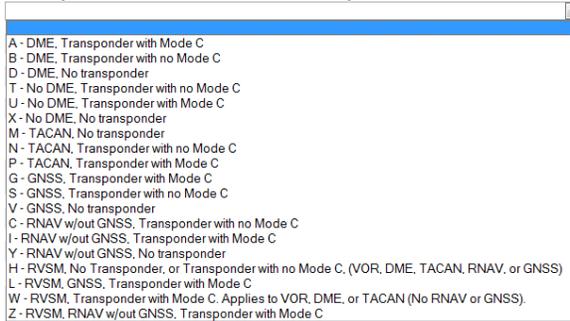
Selecting the Exact Match will narrow the search results. If no match is found, the following message is displayed “No records match search criteria”. In that case, deselect the Exact Match checkbox and initiate another search by clicking on the Search button. The search result is sorted by default on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



➤ Aircraft Equipment

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



➤ 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:

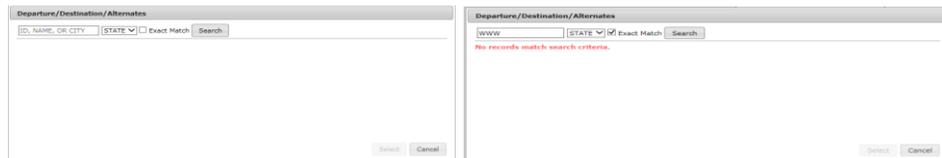
- Airport ID
- Heliport ID
- NavAid ID (Not available for Alternates or from Airports Page)
- Waypoints ID (Not available for Alternates or from Airports Page)
- Name
- City

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.



Departure/Destination/Alternates

DCA STATE Exact Match Search

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			

Select Cancel

➤ Aircraft Color

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

Aircraft Color

- 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

OK Cancel

➤ **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 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 to your list of websites where popups are allowed.

ii. ICAO Flight Plan Form

➤ **Aircraft Type**

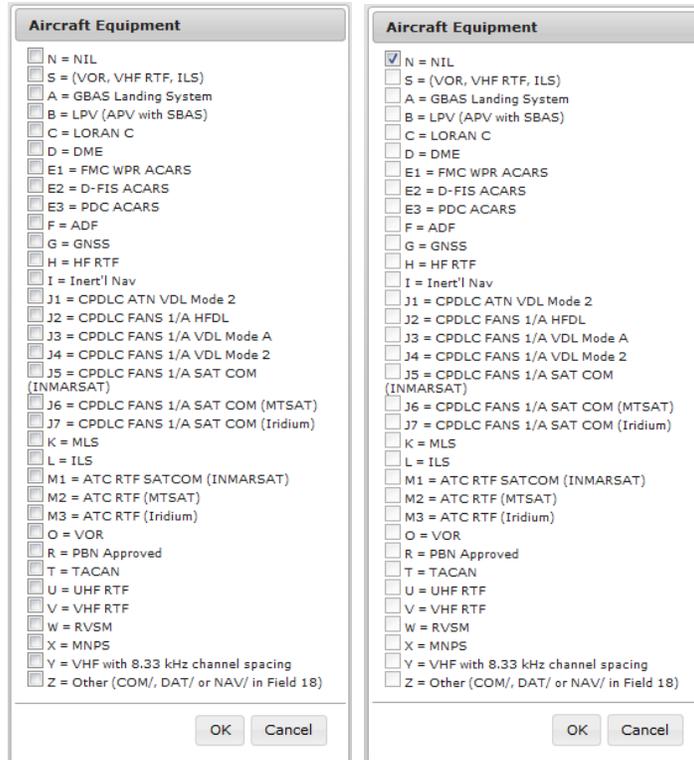
Reference **Domestic Flight Plan Form**, Aircraft Type Search above.

➤ **Wake Turbulence**

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

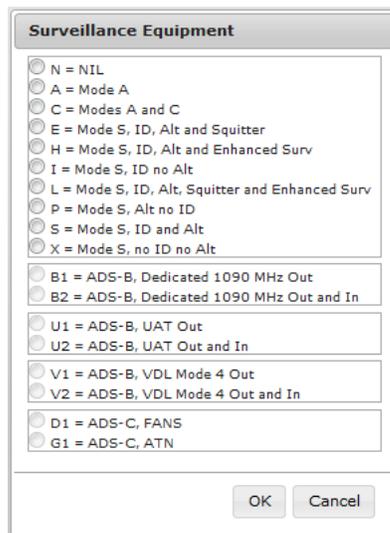
➤ **Aircraft Equipment**

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



➤ **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.



➤ **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.

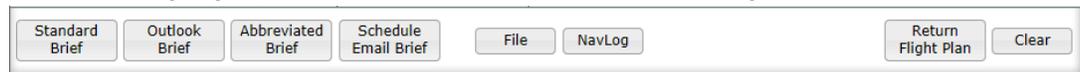
➤ **Airport Info**

Reference **Domestic Flight Plan Form**, Aircraft Info above.

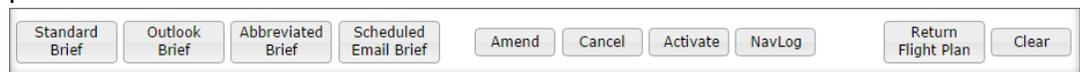
On the ICAO form, if ZZZZ is entered into the Departure field, then the DEP/ subfield value in the Other Information field will be used for Airport Info. If ZZZZ is entered into the Destination field, then the DEST/ subfield value in the Other Information field will be used for Airport Info. If ZZZZ 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.

f. Flight Plan Functions

i. The following flight plan functions are available on new flight plan forms.



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



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



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

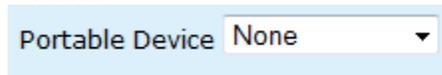


For details on Flight Activation, reference **Activating a Proposed VFR Flight Plan**. For restrictions, refer to **Flight Planning Restrictions**.

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 Pilot Dashboard -> Advanced Services Dashboard.

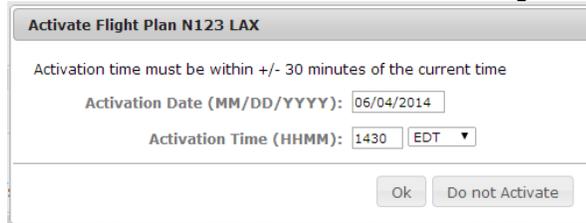
If more than one Special Device is added from the Advanced Services Dashboard, the field Portable Device will be displayed under the Advanced Services icons.



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.

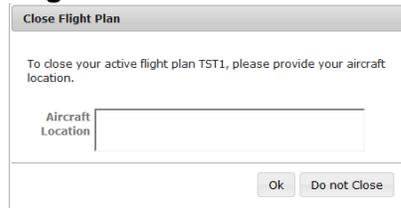
g. Activating a Proposed VFR Flight Plan

Proposed VFR flights can be activated from either the Pilot Dashboard page or the Flight Planning & Briefing 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.

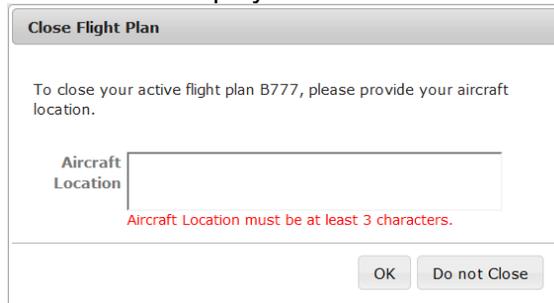


For restrictions, refer to **Flight Planning Restrictions**.

h. Closing an Active VFR Flight Plan



Select the Close button to close active VFR flight plans. The pilot must provide the aircraft location and select the OK button in the dialog. The Aircraft Location field requires at least 3 characters in length, otherwise the message “Aircraft Location must be at least 3 characters.” is displayed.



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 Pilot 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.

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.

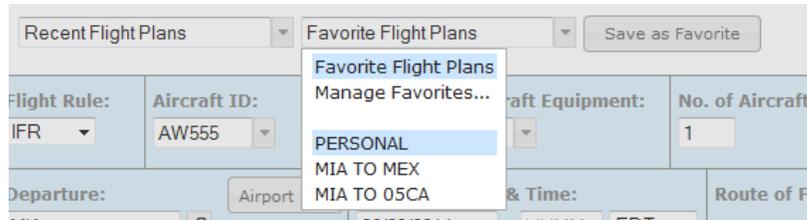
- The following countries are considered allowable foreign departure locations: Canada, Mexico, Puerto Rico, Bahamas, Pacific Rim, Turks & Caicos, and US Virgin Islands.

k. Recent and Flight Planning Lists

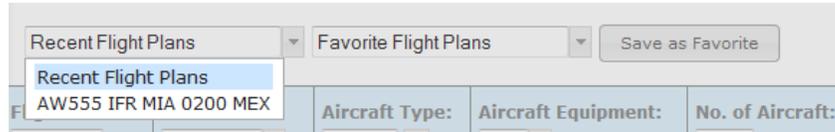
Fill out the Flight Plan form and click on the Save As Favorite button to be added to your Favorite Flight Plan list.



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.



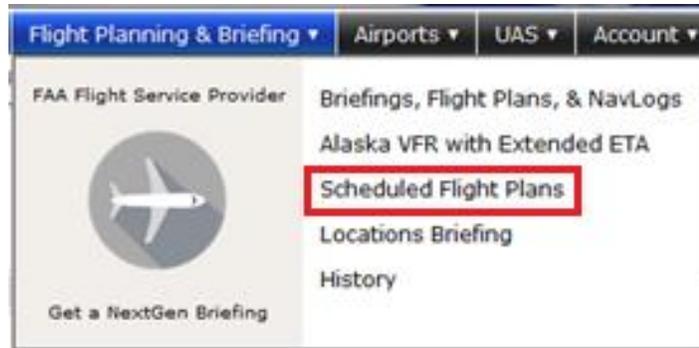
I. Pre-Stored Flight Plans (Scheduled Flight Plans)

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 Flight Planning & Briefing 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

Add Schedule
Delete Flight Plan

Domestic | ICAO

Domestic Flight Plan

Flight Rule:

Aircraft ID:

Number of Aircraft (Optional):

Aircraft Type: 📍

Aircraft Equipment:

Heavy Wake Turbulence:

Airspeed:

Departure Point: 📍

Altitude:

Route of Flight: Map Plan

(Leave blank for direct)

Destination Point: 📍

Estimated Time Enroute:

Remarks (Optional):

Alternate Airport (Optional): 📍

Alternate Airport 2 (Optional): 📍

Aircraft Color: 📍

Save Flight Plan
Clear

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.

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.

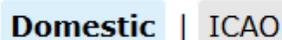
iii. Flight Plan Area

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 Domestic or ICAO flight plan mask. Operators can switch between the different flight plan masks by selecting the desired form using the buttons below:



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 “Domestic” 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.

The screenshot shows a web form titled "Domestic Flight Plan". The form contains the following fields and controls:

- 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:

At the bottom of the form are two buttons: "Save Flight Plan" and "Clear".

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

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:

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):

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"> The full pre-stored flight plan form and schedules are saved to the pre-filed plan system. The Schedule Dialog is closed. A success dialog is opened and contains the message "Scheduled flight plan was updated"
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"> A success dialog is opened and contains the message "Scheduled flight plan was updated."
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"> If the dialog was for a new schedule, any input data is discarded.

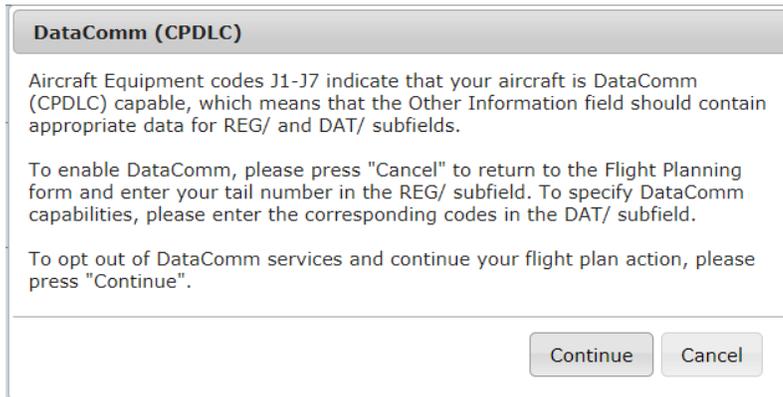
The table below lists all of the fields on the Plan Schedule Dialog and provides details including validation rules, expected formats and interactions.

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>On click: 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>On click: 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>On click: 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	<p>Indicates that the scheduled recurrence of this flight plan has no end date.</p>	<p>On click: 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"> • "Every week on" • "Once a month on the" day of month • "Once a month on the" week/day of week 	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"> • "Every week on" • "Once a month on the" day of month • "Once a month on the" week/day of week 	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, than 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"> • "Every week on" • "Once a month on the" day of month • "Once a month on the" week/day of week 	Selected/Unselected
Week drop down box	<p>Displays the week of the month for this recurrence pattern.</p>	Select a value in the drop down list.
Day of week drop down box	<p>Displays the day of the week for this monthly recurrence pattern.</p>	Select a value in the drop down list.

DataComm (CPDLC) Dialog:

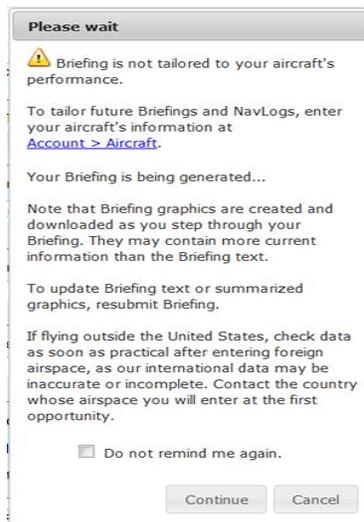
Applicable to IFR/YFR/ZFR ICAO flight plans, when Aircraft Equipment contains a J-Code (J1-J7) and Other Information does not contain REG/ data, clicking on Save Flight Plan button will bring up a DataComm (CPDLC) dialog. Through this dialog, the user can elect to enable and select the types, or opt out of DataComm services.



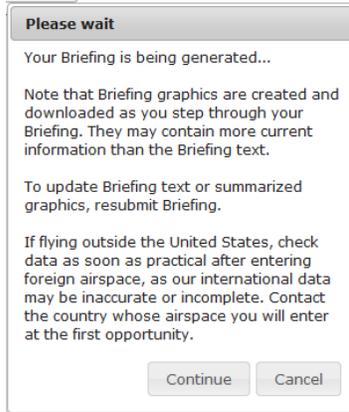
8.2. Weather Briefing

The Weather Briefing window provides the user with weather and other data pertinent to the route of flight. User can request a briefing on the website by clicking either the Standard Brief, Outlook Brief, Abbreviated Brief button or an Area Brief button. If any required field for briefing fails validation, a popup message appears detailing the error.

For Route Briefs, if there is no or incomplete Aircraft Performance data available for the selected aircraft, the following warning dialog with an option to not remind the user again will appear. If the flight plan has a departure, destination, or alternate location in non-FS21 owned airspace, the dialog will contain a warning message about entering foreign airspace.

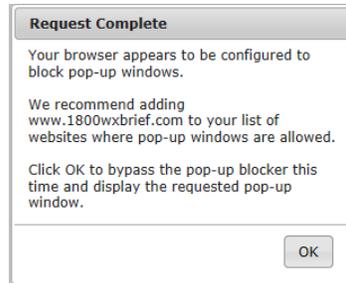


For Area Briefs and Route Briefs with completed Aircraft Performance data, the following standard dialog will appear. This will also appear if the checkbox in the above dialog was previously selected:



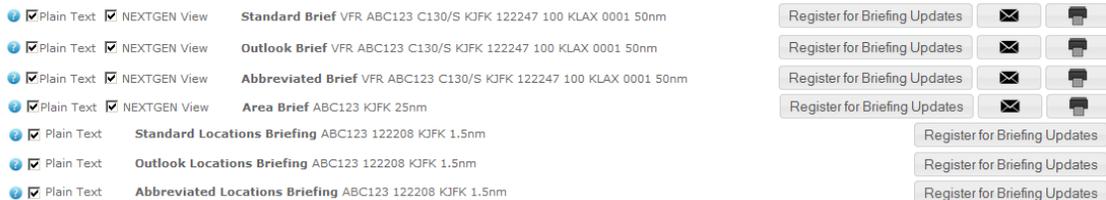
This window consisting of two panes/frames – one for text briefing and one for graphics will be displayed in a new browser window after clicking the Continue button on the dialog.

If your browser is configured to block popups and 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 to your list of websites where popups are allowed.



a. Briefing Menu

The type of briefing requested, either Standard brief or Area brief, is displayed left of the menu bar with additional flight details.



The following buttons are available on the menu bar.

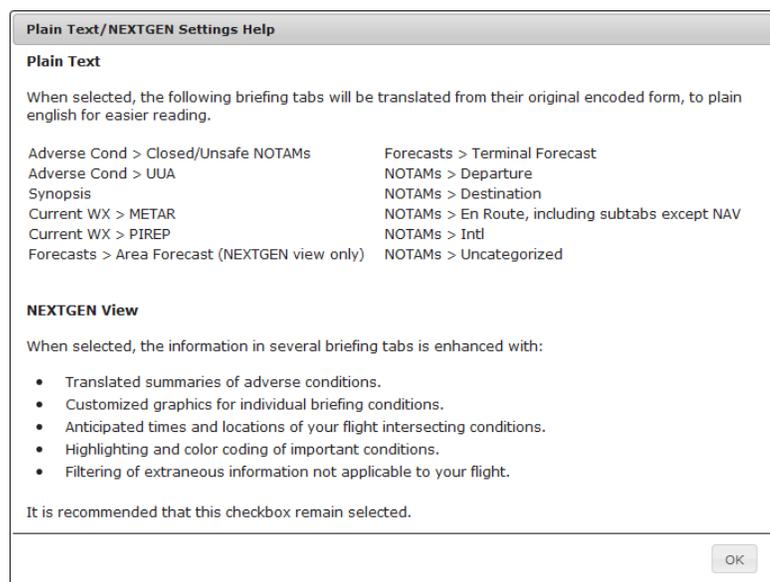


Display Plain Text/NEXTGEN Settings Help

<input checked="" type="checkbox"/> Plain Text	Display Plain Text Translation
<input checked="" type="checkbox"/> NEXTGEN View	Display NEXTGEN View
Register for Briefing Updates	Register for Briefing Change Alerting Service (BCAS)
	Display Email Briefing
	Display the Textual Briefing Printing Page

b. Plain Text/NEXTGEN Settings Help

The following dialog is displayed when the Plain Text/NEXTGEN Settings Help icon is clicked



c. Registering for Briefing Updates

Registering for briefing updates allows a pilot to receive e-mail alerts when conditions change after the briefing. The pilot can choose to be emailed changes to TFRs, Closed/Unsafe NOTAMs (runway or airport closures) and adverse weather conditions. When registering the pilot can select the briefing elements they will receive updates for, the start and the stop times for receiving email alerts, the email addresses to which alert are sent.

Altitude filtering is applied to UAS Operating Areas (UOAs) for briefing updates. All UOAs within 10nm of the departure, destination or alternates are shown; an en-route UOA is only shown where the flight plan altitude is within 2,000ft of the UOA's altitude range.

Briefing updates are registered for on a briefing-by-briefing basis and are available for all briefing types. Note that for the scheduled email briefings, this service is available 48 hours into the future. The system will display the Briefing Update Registration dialog

when the  button is clicked. This page allows the pilot to choose the sections to register for Briefing Change Alert Service emails.

Clicking on the Video icon  will open a help video on how to register for Briefing Change Alerting Service (BCAS).

Register for Briefing Updates

Notifications will be sent for adverse conditions and synopsis information received after this briefing for this flight, and will include the full text received. Notifications will not include information in, or received prior to, this briefing.

If you are registered for ACAS, you will receive Briefing Updates and ACAS messages.

Start Notification Service At: 

Date (MM/DD/YYYY): Departure Time

Time (HHMM): Estimated Time of Arrival

Date (MM/DD/YYYY):

Time (HHMM):

Email Notifications To:

test.user@lmco.com

Receive Notifications For:

<input checked="" type="checkbox"/> Temporary Flight Restrictions	<input checked="" type="checkbox"/> AIRMET - IFR
<input checked="" type="checkbox"/> Closed/Unsafe NOTAMs	<input checked="" type="checkbox"/> AIRMET - Mountain Obscuration
<input checked="" type="checkbox"/> Convective SIGMET	<input checked="" type="checkbox"/> AIRMET - Icing
<input checked="" type="checkbox"/> SIGMET	<input checked="" type="checkbox"/> AIRMET - Turbulence Low Altitude
<input checked="" type="checkbox"/> Urgent Pilot Report	<input checked="" type="checkbox"/> AIRMET - Turbulence High Altitude
<input checked="" type="checkbox"/> Center Weather Advisory	<input checked="" type="checkbox"/> AIRMET - Winds over 30 Knots
<input checked="" type="checkbox"/> Severe Weather	<input checked="" type="checkbox"/> AIRMET - Low Level Wind Shear
<input checked="" type="checkbox"/> UAS Operating Area	<input checked="" type="checkbox"/> AIRMET - Other
<input checked="" type="checkbox"/> Synopsis	

Use of this service does not alleviate the pilot from responsibility to be familiar with other information that may be available for the flight.

The Stop Notification Service time field defaults to ETD when the dialog is accessed from immediate briefings, and shows "HHMM" when accessed via the Scheduled Email Briefing page.

When registered for briefing updates, emails like the following example will be sent to the pilot during the specified notification period if any briefing changes in the pilot-selected sections are received.

Reply Reply All Forward IM



Wed 10/19/2016 11:25 AM

DO_NOT_REPLY@afss.com

EXTERNAL: Leidos Flt Svc Notification

To pilot@a.com

Message ATT00001.txt (1 KB)

Briefing Update--Synopsis for DP001 BOS to LAX Oct 19, 1525Z

Alert Time

Oct 19, 1524Z

Encoded Message

FACA20 KKCI 191530FAMKINTERNATIONAL OPERATIONS BRANCHAVIATION WEATHER CENTER KANSAS CITY MISSOURIVALID 191600-200400OUTLOOK...200400-201600.SYNOPSIS...LARGE AREA OF WDLY SCT TO SCT TSRA OVR WRN ATLCFIRS... ASSOCD WITH DEEP LYRD LOW PRES CNTR NR 25N69W WITH SFCTROFS EXTDG NE TO 30N60W AND SW TO 19N76W. THIS SYSTEM WILL CONTTO BE CNVTVLY ACTV AS IT MOVES SLOWLY NWWD. SOME STG WINDS ASSOCD.OTHER SCT CNVTN OCRG FM SANTO DOMINGO FIR THRU SAN JUAN FIR INTOSERN PTN OF ATLC SW NY FIR ASSOCD WITH UPR IMPULSES ROTATING ARNDTHE LOW. ANOTHER SFC LOW IS OVR THE SWRN CARIB WITH SOME TSRAASSOCD. SFC RIDGE EXTDS FM SERN U.S. SWWD ACRS GLFMEX.

You may cancel future Briefing Update messages by selecting the following link.

[Cancel future Briefing Update messages for this flight](#)

WARNINGS:

1. A confirmation message should be displayed when you select the link. If you do not receive the confirmation message, your future Briefing Update messages for this flight were not cancelled.
2. Do not use this link if you are not the pilot for the identified flight.

Thank you for using the Briefing Updates service.

Leidos Flight Service
800-WX-Brief (800-992-7433) or online at www.1800wxbrief.com
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The Briefing Update email has a link at the bottom of the email to cancel any future alerts.

d. Email Briefing

The system will display the Email Briefing popup when the  button is clicked. This page allows the pilot to choose the sections to email. In dialogs for selecting the contents of briefings, the Adverse Conditions group will be selected by default.

Email Briefing

Email briefing to:

- pilot@aa.com
- pilot2@aa.com
-
-

When Email is sent, Email addresses will be added to Account > User

Select Briefing Contents:

Adverse Conditions

- Delta
- Temporary Flight Restrictions
- Closed/Unsafe NOTAMS
- Convective SIGMET
- SIGMET
- AIRMET
 - IFR
 - Mountain Obscuration
 - Icing
 - Freezing Level
 - Turbulence Low Altitude
 - Turbulence High Altitude
 - Winds over 30 Knots
 - Low Level Wind Shear
 - Other
- Urgent Pilot Report
- Center Weather Advisory
- Severe Weather

Forecasts

- Cloud Coverage
- Vis, Sfc Winds & Precip
- Terminal Forecast
- Winds Aloft
- Area Forecast

Flow Control

- Air Traffic Control System Command Center

UAS Operating Area

- UAS Operating Area

NOTAMS

- Departure
- Destination
- En Route
 - Navigation
 - Communication
 - Service
 - Obstruction
 - Airspace
 - Special Use Airspace
 - Runway/Taxiway/Apron/Aerodrome/FDC
 - Other/Unverified
 - Military
- General FDC
- International
- Uncategorized

Miscellaneous

- NHC Bulletins
- Convective Outlook

Synopsis

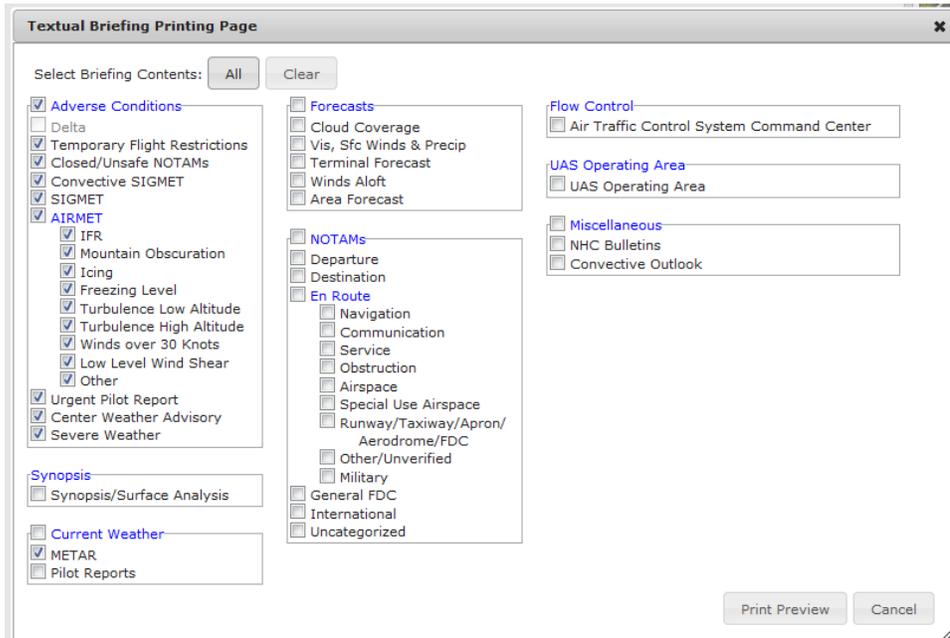
- Synopsis/Surface Analysis

Current Weather

- METAR
- Pilot Reports

e. Textual Briefing Printing Page

The system will display the Textual Briefing Printing Page popup when the  button is clicked. This page allows the pilot to choose the sections to print. In dialogs for selecting the contents of briefings, the Adverse Conditions group will be selected by default.



f. Briefing Tabs

There are several briefing tabs created in the briefing as described in this section.

Depending on screen orientation, the orientation of the briefing window automatically switches between the following views:

- landscape view with the text pane on left and graphics pane on right.
- portrait view with text pane on top and graphics on bottom.

The **left pane** contains the text briefing for the flight. The briefing window has a button to expand the size of the text pane to the full size of the window.

The **graphics pane** has a popup configuration panel that allows the user to customize the map with weather imagery and auxiliary layers that are displayed on the graphics pane.

Tabs with unviewed data contain a yellow icon  next to the tab label.

Landscape:

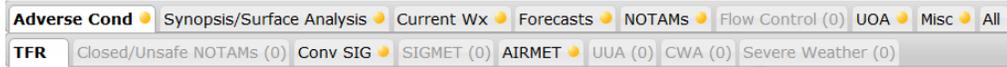
Portrait:

If a prior briefing window is open from a previous briefing request, the newly requested briefing will be displayed in this existing window.

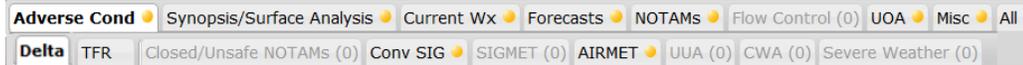
i. Adverse Cond

The Adverse Cond tab allows the user to access Adverse Conditions that intersect the flight plan route corridor or an area briefing. The tab will appear with one of two views, depending on whether the briefing is eligible for Delta Conditions.

Refer to **Next Generation Briefing – Adverse Condition** for details on Delta Conditions. Standard Briefing without Delta Conditions



Standard Briefing with Delta Conditions



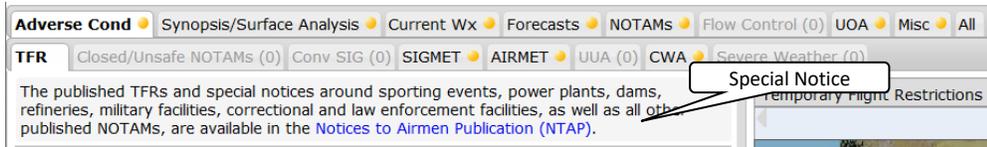
- **Delta**



This displays the Adverse Conditions that have changed for a filed plan since the last standard briefing was performed.

Refer to **Next Generation Briefing – Adverse Condition** for details.

- **TFR**



This allows the user to review Temporary Flight Restrictions (TFRs) associated with the flight path of the aircraft. User can click on Notices to Airmen Publication (NTAP) link to display FAA Notices to Airmen

If there is an interruption in the US NOTAM Service, the following message will be displayed: “NOTAM data may not be current due to a US NOTAM Service interruption. A recheck of data prior to departure may be warranted.” This message will also be displayed under the TFR section in the All tab, Emailed Briefings, and Textual Printed Briefings.

Refer to **Next Generation Briefing – Adverse Condition** for details.

- **Closed/Unsafe NOTAMS**



This is focused on helping the user quickly check for Adverse Condition NOTAMS at the Departure, Destination, and Alternate Airports.

Adverse condition NOTAMS are NOTAMS indicating runway or aerodrome closures or unsafe conditions. Note that the tab can include International as well as D-NOTAMS. If both International and D-NOTAMS exist for an airport, the D-NOTAMS will be listed first and the International NOTAMS will follow.

Additionally, from this tab the user has quick access to Airport Information Pages and Airport Diagrams (if these are available) via hyperlinks, as in this example:

Adverse Cond
 Synopsis/Surface Analysis
 Current Wx
 Forecasts
 NOTAMS
 Flow Control (0)
 UOA (0)
 Misc
 All
 TFR
 Closed/Unsafe NOTAMS
 Conv SIG (0)
 SIGMET (0)
 AIRMET
 UUA (0)
 CWA (0)
 Severe Weather (0)

All published NOTAMs are available in the [Notices to Airmen Publication \(NTAP\)](#).

Departure: KBOS [Airport Information Page](#) [Airport Diagram](#)
 IBOS 01/001 Gen Edward Lawrence Logan International, Boston, MA (KBOS) Runway 14/32 closed Jan 01, 2016 0050Z to Jan 31, 2016 2200Z

IBOS 01/003 Gen Edward Lawrence Logan International, Boston, MA (KBOS) Runway 15L/33R closed except taxi Jan 01, 2016 0751Z to Jan 31, 2016 1200Z Estimated

IBOS 01/006 Gen Edward Lawrence Logan International, Boston, MA (KBOS) Runway 14/32 closed Jan 02, 2016 0101Z to Jan 05, 2016 2300Z Estimated

Destination: KATI [Airport Information Page](#) [Airport Diagram](#)

- Conv SIG

Adverse Cond
 Synopsis/Surface Analysis
 Current Wx
 Forecasts
 NOTAMS
 Flow Control (0)
 UOA
 Misc
 All
 TFR (0)
 Closed/Unsafe NOTAMs (0)
 Conv SIG (0)
 SIGMET
 AIRMET
 UUA (0)
 CWA (0)
 Severe Weather (0)

This allows the user to review Convective Significant Meteorological (SIGMET) data associated with the flight path of the aircraft.

Refer to **Next Generation Briefing – Adverse Condition** for details.

- SIGMET

Adverse Cond
 Synopsis/Surface Analysis
 Current Wx
 Forecasts
 NOTAMS
 Flow Control (0)
 UOA
 Misc
 All
 TFR (0)
 Closed/Unsafe NOTAMs (0)
 Conv SIG (0)
 SIGMET
 AIRMET
 UUA (0)
 CWA (0)
 Severe Weather (0)

This allows the user to review Conv Significant Meteorological (SIGMET) weather advisories along the flight path of the aircraft.

Refer to **Next Generation Briefing – Adverse Condition** for details.

- AIRMET

Adverse Cond
 Synopsis/Surface Analysis
 Current Wx
 Forecasts
 NOTAMS
 Flow Control (0)
 UOA
 Misc
 All
 TFR (0)
 Closed/Unsafe NOTAMs (0)
 Conv SIG (0)
 SIGMET
 AIRMET
 UUA (0)
 CWA (0)
 Severe Weather (0)
IFR
 MTN Obsc
 Icing
 Freezing Level
 Turb Low
 Turb High
 Wnds>30 Kts
 LLWS
 Other (0)

Airmen’s Meteorological (AIRMET) records are issued for potentially hazardous weather conditions, such as moderate turbulence and icing, surface winds of more than 30 knots, or restricted visibility.

AIRMET Reporting Areas		
ID	Location	Alternate ID
HNL	Honolulu, HI	FAHW31
BOS	Boston, MA	FAUS41
MIA	Miami, FL	FAUS42
CHI	Chicago, IL	FAUS43
DFW	Dallas/Ft Worth, TX	FAUS44
SLC	Salt Lake City, UT	FAUS45
SFO	San Francisco, CA	FAUS46
JNU	Juneau, AK	FAAK47
ANC	Anchorage, AK	FAAK48
FAI	Fairbanks, AK	FAAK59

The AIRMET tabs are categorized by type and presented on separate sub-tabs as there may be many AIRMETs associated with a given flight plan. It allows the user to review AIRMETs along the pilot’s planned route of flight.

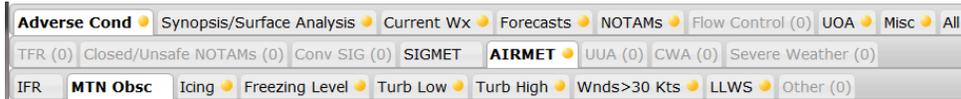
Refer to **Next Generation Briefing – Adverse Condition** for details.

- IFR



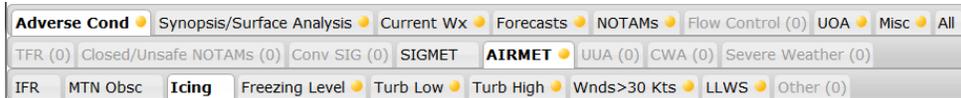
This contains AIRMETs that indicate Instrument Flight Rules (IFR) conditions. These AIRMETs have headings that contain “AIRMET SIERRA” and AIRMET phenomenon sections that begin with “AIRMET IFR” or contain “IFR” on the first line.

➤ Mtn Obsc



This contains AIRMETs that indicate Mountain Obscuration (Mtn Obsc) conditions. These AIRMETs have headings that contain “AIRMET SIERRA” and AIRMET phenomenon sections that begin with “AIRMET MTN OBSCN”, “MTN OBSCN”, “AIRMET MT OBSC”, “MT TEMPO OBSC”, or “MTS OCNL OBSC”.

➤ Icing



This contains AIRMETs that indicate icing conditions. These AIRMETs have headings that contain “AIRMET ZULU” and AIRMET phenomenon sections that begin with “AIRMET ICE” or “FRZLVL...”.

➤ Freezing Level



This contains AIRMETs that indicate freezing level conditions. These AIRMETs have headings that contain “AIRMET ZULU” and AIRMET phenomenon sections that begin with “AIRMET ICE” or “FRZLVL...”.

➤ Turb Low



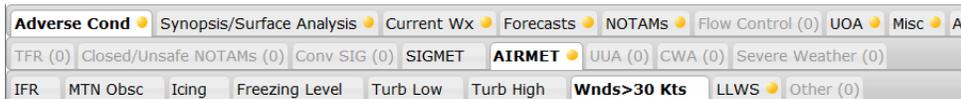
This contains AIRMETs that indicate turbulence at altitudes less than Flight Level (FL)180. These AIRMETs have headings that contain “AIRMET TANGO” and AIRMET phenomenon sections that begin with “AIRMET TURB”.

➤ Turb High



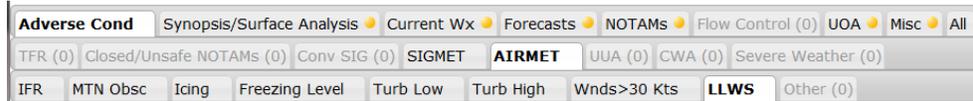
This contains AIRMETs that indicate turbulence at or above Flight Level (FL)180. These AIRMETs have headings that contain “AIRMET TANGO” and AIRMET phenomenon sections that begin with “AIRMET TURB”.

➤ Wnds>30 Kts



This contains AIRMETs that indicate surface winds greater than 30 knots. These AIRMETs have headings that contain “AIRMET TANGO” and “STG SFC WNDS” and phenomenon section contains “AIRMET STG SFC WNDS”.

➤ LLWS



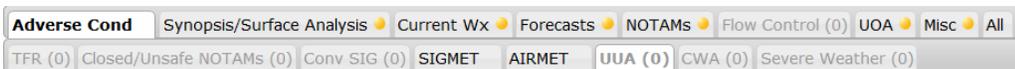
This contains AIRMETs that indicate low level wind shear conditions. These AIRMETs have headings that contain “AIRMET TANGO” and AIRMET phenomenon sections that begin with “LLWS POTENTIAL”.

➤ Other



This contains AIRMETs that do not fall into any of the other categories.

• UUA



This allows the user to review urgent Pilot Report (PIREP) and urgent Aircraft Report (AIREP) data. The user also has the ability to view the text in plain-text translation by selecting the Plain Text checkbox.

PIREP/AIREP Icons Legend

Icing PIREP/AIREP Icons

Negative	Trace	Trace to Light	Light	Light to Moderate	Moderate	Moderate to Severe	Severe

Turbulence PIREP/AIREP Icons

Negative	Smooth	Light	Light to Moderate	Moderate	Moderate to Severe	Severe	Extreme

Sky Condition PIREP/AIREP Icons

Unknown	Clear	Few Clouds	Scattered Clouds	Broken Clouds	Overcast

Other PIREP/AIREP Icons

UA	UUA

*Note that the icon displayed will reflect the most severe condition reported. Also note that an urgent PIREP or AIREP will be depicted using the UUA icon regardless of the conditions reported in the message text.

If a PIREP or AIREP contains more than one condition, a composite icon is displayed depicting all of the conditions.



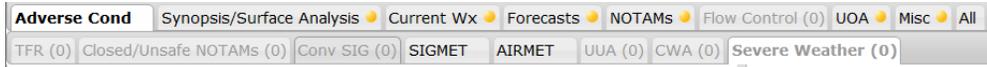
• CWA



This allows the user to review Center Weather Advisory information for US ARTCC regions.

Refer to **Next Generation Briefing – Adverse Condition** for details.

- **Severe Weather**



This allows the user to review Aviation Watch Notification Messages issued by the National Weather Service (NWS) Storm Prediction Center (SPC) as well as Warning Messages issued by local NWS offices. These messages alert the aviation community to the presence of organized thunderstorms that are forecast to produce tornadoes and/or severe weather in the conterminous U.S.

The SPC also issues Public Watch Notification messages. These messages alert a broader audience and are displayed on this tab. The area described in the Public Watch Notification messages will be contained within the area described in the Aviation Watch Notification message.

The SPC issues the following three types of Watch messages:

- Aviation Watch Notification Message
- Public Severe Thunderstorm Watch Notification Message
- Public Tornado Watch Notification Message

Local NWS offices issue the following two types of Warning messages:

- Severe Thunderstorm Warning Message
- Tornado Warning Message

The Public Severe Thunderstorm Watch Notification Message and Public Tornado Watch Notification Message alert the aviation community, NWS offices, the public, the media, and emergency managers to the presence of organized thunderstorms that are forecast to produce tornadoes and/or severe weather in the conterminous U.S.

The Severe Thunderstorm Warning Message is issued when trained Skywarn spotters or Doppler capable weather radar indicates a strong thunderstorm is producing dangerously large hail or high winds, capable of causing significant damage. It does not account for lightning or flooding.

The Tornado Warning Message is issued to warn an area that a tornado may be imminent. It can be issued after either a tornado or funnel cloud has already been spotted, or if there are radar indications that a tornado may be possible.

Refer to **Next Generation Briefing – Adverse Condition** for details

ii. **Synopsis/Surface Analysis**



This allows the user to review a synopsis for each area forecast region associated with the route of flight. It also allows the user to view the Surface Analysis Chart for the route of flight. The user also has the ability to view the Synopsis/Surface Analysis tab in plain-text translation by selecting the Plain Text checkbox.

iii. **Current Wx**



The Current Wx allows the user to access METARs and PIREPs for affected locations included in a flight plan route corridor or an area briefing. The user also has the ability to view the text in plain-text translation by selecting the Plain Text checkbox.

- METAR



This allows the user to review Meteorological Aviation Reports (METAR) along the flight path of the aircraft, or around the location selected, in the case of an area briefing.

If the High Altitude Briefing checkbox is checked and the altitude is above the transition level (FL180) METAR data along the route will not be provided in the briefing.

Refer to **Next Generation Briefing – Current Wx** for details.

- PIREP (Pilot Reports)



This allows the user to review both routine and urgent PIREP and AIREP data. The tab will contain routine PIREP, urgent PIREP, routine AIREP, and urgent AIREP data.

Reference UUA section above for icon legend.

iv. Forecasts



- Clouds



This allows the users to review a list of cloud coverage charts. The list of charts will be ordered by regions along the route of flight, with the CONUS region always listed last. Each region will be ordered by forecast times from earliest to latest.

The forecast times are within the overall flight time +/- 3 hours.

There are 10 regions: Northeast, East, Southeast, Northcentral, Central, Southcentral, Northwest, West, Southwest, and Continental United States (labeled "CONUS").

Each chart will be a hyperlink that when clicked will open a window displaying the associated cloud coverage chart.

There is a "Help" link above the list of charts that links to a document provided by FAA that gives the user access to additional information concerning graphical area forecast content.

If there are no charts associated with the flight plan, due to the route of flight or the planned flight time then "No current Cloud Coverage data for this briefing." will be displayed in the text pane. When data is missing for a particular time or region, the hyperlink will become inactive and "current data unavailable" will be displayed next to the link text.

Refer to **Next Generation Briefing Forecasts – Clouds** for details

Adverse Cond | Synopsis/Surface Analysis | Current Wx | **Forecasts** | NOTAMS | Flow Control (0) | UOA | Misc | All

Clouds | Vis, Sfc Winds & Precip | Terminal Forecast | Winds Aloft | Area Forecast

The links below will direct you to cloud coverage forecast charts for regions along your route of flight. For FAA guidance on cloud coverage forecast charts, please click [here](#).

- Cloud Coverage - Southwest 1800z
- Cloud Coverage - Southwest 2100z
- Cloud Coverage - Southwest 0000z
- Cloud Coverage - Southwest 0300z
- Cloud Coverage - Southwest 0600z
- Cloud Coverage - Southwest 0900z
- Cloud Coverage - Southwest 1200z (current data unavailable)

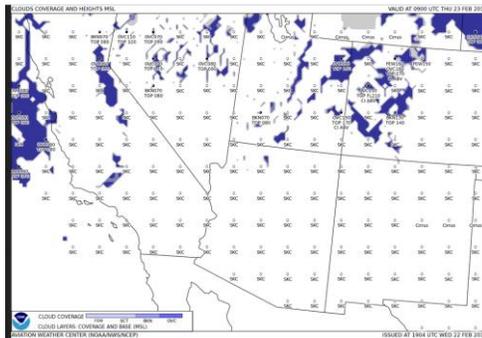
- Cloud Coverage - Central 1800z
- Cloud Coverage - Central 2100z
- Cloud Coverage - Central 0000z
- Cloud Coverage - Central 0300z
- Cloud Coverage - Central 0600z
- Cloud Coverage - Central 0900z
- Cloud Coverage - Central 1200z (current data unavailable)

- Cloud Coverage - East 1800z
- Cloud Coverage - East 2100z
- Cloud Coverage - East 0000z
- Cloud Coverage - East 0300z
- Cloud Coverage - East 0600z
- Cloud Coverage - East 0900z
- Cloud Coverage - East 1200z (current data unavailable)

- Cloud Coverage - Northcentral 1800z
- Cloud Coverage - Northcentral 2100z
- Cloud Coverage - Northcentral 0000z

Flight on | Terrain & Color Map | Sectionals

Animate Wx | Configure Map | Supplemental Wx



- **Vis, Sfc Winds & Precip**

Adverse Cond | Synopsis/Surface Analysis | Current Wx | **Forecasts** | NOTAMS | Flow Control (0) | UOA | Misc | All

Clouds | **Vis, Sfc Winds & Precip** | Terminal Forecast | Winds Aloft | Area Forecast

This allows the users to review a list of visibility, surface winds, precipitation and weather charts. The list of charts will be ordered by regions along the route of flight, with the CONUS region always listed last. Each region will be ordered by forecast times from earliest to latest.

The forecast times are within the overall flight time +/- 3 hours.

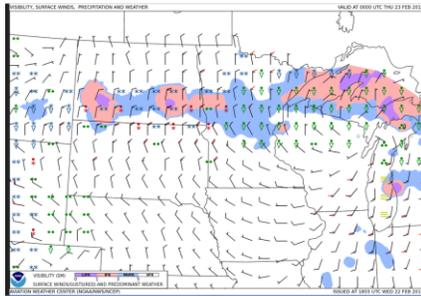
Each chart will be a hyperlink that when clicked will open a window displaying the associated visibility, surface winds, precipitation and weather chart.

There is a "Help" link above the list of charts that links to a document provided by FAA that gives the user access to additional information concerning graphical area forecast content

If there are no charts associated with the flight plan, due to the route of flight or the planned flight time then “No current Visibility, Surface Winds, Precipitation & Weather data for this briefing.” will be displayed in the text pane. When data is missing for a particular time or region, the hyperlink will become inactive and “current data unavailable” will be displayed next to the link text.

Refer to **Next Generation Briefing Forecasts – Vis, Sfc Winds & Precip** for details

The screenshot shows the 'Forecasts' tab in the Next Generation Briefing application. The top navigation bar includes 'Adverse Cond', 'Synopsis/Surface Analysis', 'Current Wx', 'Forecasts', 'NOTAMS', 'Flow Control (0)', 'UOA', 'Misc', and 'All'. Below this, the 'Forecasts' sub-tab is active, showing 'Vis, Sfc Winds & Precip', 'Terminal Forecast', 'Winds Aloft', and 'Area Forecast'. A text box explains that the links below direct to forecast charts for regions along the flight route. The main content area lists links for 'Southwest', 'Central', 'East', and 'Northcentral' regions at 1800Z, 2100Z, 0000Z, 0300Z, 0600Z, 0900Z, and 1200Z. Links for 1200Z are marked as 'current data unavailable'. To the right, a map shows a flight route from LAX to JFK with intermediate stops at TST and TOL. The map includes controls for 'Flight on', 'Terrain & Color Map', and 'Sectionals', along with 'Animate Wx', 'Configure Map', and 'Supplemental Wx' buttons.



- **Terminal Forecast**

The screenshot shows the 'Terminal Forecast' tab selected in the Next Generation Briefing application. The top navigation bar is the same as in the previous screenshot. The 'Terminal Forecast' sub-tab is active, showing 'Clouds', 'Vis, Sfc Winds & Precip', 'Terminal Forecast', 'Winds Aloft', and 'Area Forecast'.

This allows the user to review the expected meteorological conditions at a landing facility for a specific time period. A TAF contains information on the expected surface wind, visibility, weather and clouds as well as on expected significant changes to one or more of these elements during the validity period.

If the High Altitude Briefing checkbox is checked and the altitude is above the transition level (FL180) TAF data along the route will not be provided in the briefing.

The Web supports TAF data for all sites located in CONUS, Atlantic, Mexico/Caribbean, South America, Pacific, Canada, and Alaska. Majority of these sites are located in the CONUS and Alaska, however sites on various islands in the Pacific, the Caribbean, the North and South Atlantic, and Indian oceans are also included.

Refer to **Next Generation Briefing** Forecasts – Terminal Forecast for details.

- Winds Aloft



This allows the user to review wind and temperature aloft forecasts as produced by the NWS National Centers for Environmental Prediction (NCEP).

The forecasts are for specified locations in the Continental United States (CONUS), the Hawaiian Islands, Alaska and coastal waters, and the western Pacific Ocean, and Canada. The forecasts include wind direction, wind speed, and temperature. These values are reported across different forecast periods, at different altitudes, and at different locations.

Each forecast includes 3 forecast periods. These periods are 6 hour use, 12 hour use, and 24 hour use. The Winds Aloft tab presents the 6, 12, and 24 hour forecast periods.

Winds Aloft Forecast Periods				
Data Available	Model Run	6 hour FOR USE times	12 hour FOR USE times	24 hour FOR USE times
~0200Z	0000Z	0200-0900Z	0900-1800Z	1800-0600Z
~0800Z	0600Z	0800-1500Z	1500-0000Z	0000-1200Z
~1400Z	1200Z	1400-2100Z	2100-0600Z	0600-1800Z
~2000Z	1800Z	2000-0300Z	0300-1200Z	1200-0000Z

Winds Aloft Canadian Forecast Periods				
Data Available	Model Run	6 hour FOR USE times	12 hour FOR USE times	24 hour FOR USE times
~0200Z	0000Z	0200-0900Z	0900-1800Z	1800-0600Z
~0800Z	0600Z	0800-1500Z	1500-0000Z	0000-1200Z
~1400Z	1200Z	1400-2100Z	2100-0600Z	0600-1800Z
~2000Z	1800Z	2000-0300Z	0300-1200Z	1200-0000Z

The forecasts support 3 different sets of altitudes depending on the region of the forecast. One set of altitudes covers the CONUS and Alaska region. The second set of altitudes covers Hawaii and the Western Pacific region. The third set of altitudes covers Canada region. Each set of altitudes is further split into 2 levels, high and low.

Winds Aloft Altitude Levels by Region		
CONUS, Alaska	Hawaii, Western Pacific	Canada
Low Level	Low Level	Low Level
030	010	030
060	015	060
090	020	090
120	030	120
180	060	180
240	090	
300	120	
340	150	
390	180	
	240	
High Level	High Level	High Level
450	300	240
530	340	300
	390	340
	450	390
	530	450
		530

The Winds Aloft tab consists of the following:

- Altitudes within 4000 feet Checkbox
- Winds Aloft Legend

- Altitude Row
- Station ID Column
- Winds Aloft Area.

The standard altitude columns are displayed as well as the filed altitude, the filed altitude plus and minus 2000 feet, and the filed altitude plus and minus 4000 feet columns. The filed altitude column is highlighted in blue. Altitude columns below the lowest standard altitude and above the highest standard altitude will not be displayed. Blank entries on the winds aloft table indicate opposing winds or that there is no wind data available for that station at that particular altitude.

The altitudes within 4000 feet checkbox is checked by default and allows users to show or hide columns with altitudes 4000 feet greater than or less than the filed altitude. The state of the checkbox is remembered for the next time the Winds Aloft tab is visited. The table below has the checkbox checked and displays columns with altitudes within 4000 feet of the filed altitude.

Station ID	030	035 Filed	055 Filed+2k	060	075 Filed+4k
261800Z 1400-2100Z					
MIA	130008			LGTVRB+13	
PIE	LGTVRB			230023+12	240022+11
MLB	LGTVRB			220019+11	240021+10
270000Z 2100-0600Z					
MIA	LGTVRB	LGTVRB	LGTVRB	LGTVRB+14	LGTVRB+12
PIE	LGTVRB			240021+11	250019+11
MLB	LGTVRB			240016+12	245016+11
271200Z 0600-1800Z					
MIA	060005	068005	101006	110007+15	
PIE	LGTVRB			260012+14	
MLB	130008	155009	255013	280015+14	290012+13

The image below has the checkbox unchecked and displays all altitude columns.

Station ID	030	035 Filed	055 Filed+2k	060	075 Filed+4k	090	120	180	240	300	340	390	450	530
261800Z 1400-2100Z														
MIA	130008			LGTVRB+13		260008+12	240009+08	250016-07	240029-18	240043-33	250051-43	250062-55	260054-67	250016-74
PIE	LGTVRB			230023+12	240022+11	250022+11	250025+07	240026-07	240043-19	240060-35	240068-44	240069-54	250058-66	240022-73
MLB	LGTVRB			220019+11	240021+10	260023+10	260024+08	260026-07	250038-18	240053-35	240064-44	250071-54		
270000Z 2100-0600Z														
MIA	LGTVRB	LGTVRB	LGTVRB	LGTVRB+14	LGTVRB+12	LGTVRB+10	250006+07	250017-07	250025-18	260038-34	270043-42	250060-55	260046-66	210019-75
PIE	LGTVRB			240021+11	250019+11	260017+11	260020+07	250020-08	240037-19	250055-35	270060-43	250048-55	240066-65	200030-72
MLB	LGTVRB			240016+12	245016+11	250017+10	270021+07	260019-07	250032-19	260053-35	270057-43	250059-54		
271200Z 0600-1800Z														
MIA	060005	068005	101006	110007+15		LGTVRB+12	LGTVRB+07	270015-07	250021-19	250020-35	230026-43	240048-55	230057-69	220029-75
PIE	LGTVRB			260012+14		LGTVRB+11	220010+06	250016-09	250029-20	240040-35	250051-44	220063-56	230063-68	220040-73
MLB	130008	155009	255013	280015+14	290012+13	300010+12	300009+06	260017-09	260030-20	260037-36	240039-44	240063-56		

The graphics pane of the winds aloft tab will always display an image with a route corridor as specified on the Flight Planning and Briefing page for Winds Aloft Corridor. The default is 200 nm.

Refer to **Next Generation Briefing Forecasts – Winds Aloft** for details

- Area Forecast

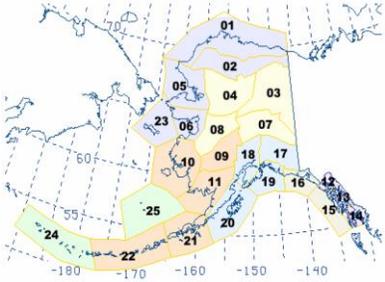
This allows the user to review regional weather conditions that could impact aviation operations in the U.S. and adjacent coastal waters. The National Weather Service (NWS) issues FAs for the regions described in the following sections.

Area Forecasts are issued in “bulletins” containing several states or zones worth of forecast data in a single area forecast product. If a flight penetrates any states or zones in an area forecast product, the entire FA bulletin(s) will be included in the briefing with the states or zones broken out.

Refer to **Next Generation Briefing Forecasts – Area Forecast** for details.

Forecast Areas																	
<p>CONUS</p> <p>The Aviation Weather Center (AWC) issues six (6) FAs covering separate geographical areas of the CONUS. Within the 6 FAs, the data are divided along state boundaries.</p> <ul style="list-style-type: none"> > FAUS41 > FAUS42 > FAUS43 > FAUS44 > FAUS45 > FAUS46 																	
<p>Hawaii</p> <p>The Weather Forecast Office (WFO) in Honolulu issues an FA for the main Hawaiian Islands and adjacent coastal waters extending out 40 nautical miles from the coastlines.</p> <ul style="list-style-type: none"> > FAHW31 																	
<p>Gulf of Mexico</p> <p>The Aviation Weather Center (AWC) issues an FA for the northern Gulf of Mexico.</p> <ul style="list-style-type: none"> > FAGX20 																	
<p>Caribbean</p> <p>The Aviation Weather Center (AWC) issues an FA for portions of the Gulf of Mexico, the Caribbean Sea and adjacent portions of the North Atlantic.</p> <ul style="list-style-type: none"> > FACA20 																	
<p>Alaska</p> <p>The Alaskan Aviation Weather Unit (AAWU) issues seven (7) FAs covering separate geographical areas of Alaska and the adjacent coastal waters, including the Pribilof Islands and Southeast Bering Sea.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Area ID</th> <th style="text-align: left;">Area Name</th> </tr> </thead> <tbody> <tr> <td>FAAK47</td> <td>Part 1, Juneau Area Forecast</td> </tr> <tr> <td>FAAK48</td> <td>Part 1, Anchorage Area Forecast</td> </tr> <tr> <td>FAAK49</td> <td>Part 1, Fairbanks Area Forecast</td> </tr> <tr> <td>FAAK57</td> <td>Part 2, Juneau Area Forecast</td> </tr> <tr> <td>FAAK58</td> <td>Part 2, Anchorage Area Forecast</td> </tr> <tr> <td>FAAK59</td> <td>Part 2, Fairbanks Area Forecast</td> </tr> <tr> <td>FAAK68</td> <td>Part 3, Anchorage Area Forecast</td> </tr> </tbody> </table>	Area ID	Area Name	FAAK47	Part 1, Juneau Area Forecast	FAAK48	Part 1, Anchorage Area Forecast	FAAK49	Part 1, Fairbanks Area Forecast	FAAK57	Part 2, Juneau Area Forecast	FAAK58	Part 2, Anchorage Area Forecast	FAAK59	Part 2, Fairbanks Area Forecast	FAAK68	Part 3, Anchorage Area Forecast	
Area ID	Area Name																
FAAK47	Part 1, Juneau Area Forecast																
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FAAK57	Part 2, Juneau Area Forecast																
FAAK58	Part 2, Anchorage Area Forecast																
FAAK59	Part 2, Fairbanks Area Forecast																
FAAK68	Part 3, Anchorage Area Forecast																

Forecast Areas	
The 7 Alaskan FAs are comprised of a non-overlapping subset of 25 forecast zones.	
Area ID	Included Zones (Zone ID)
FAAK47	12 - Lynn Canal / Glacier Bay (JB) 13 - Central Southeast Alaska (JC) 14 - Southern Southeast Alaska (JD)
FAAK48	17 - Copper River Basin (AC) 18 - Cook Inlet/Susitna Valley (AB) 19 - Central Gulf Coast (AD) 20 - Kodiak Island Area (AE)
FAAK49	03 - Upper Yukon Valley (FB) 04 - Koyukuk/Upper Kobuk Valley (FE) 07 - Tanana Valley (FC) 08 - Lower Yukon Valley (FF)
FAAK57	16 - Eastern Gulf Coast (JE) 15 - Southeast Alaska Coastal Waters (JF)
FAAK58	09 - Kuskokwim Valley (AF) 10 - Yukon – Kuskokwim Delta (AG) 11 - Bristol Bay Area (AH) 21 - Alaska Peninsula, Port Heiden to Unimak Pass (AI) 22 - Alaska Peninsula, Unimak Pass to Adak (AJ)
FAAK59	01 - Arctic Coast (FG) 02 - North Slope Brooks Range (FH) 05 - Northern Seward Peninsula - Lower Kobuk Valley (FI) 06 - Southern Seward Peninsula - Eastern Norton Sound (FJ) 23 - St. Lawrence Island and Western Norton Sound (FK)
FAAK68	24 - Alaska Peninsula, Adak to Attu (AK) 25 - Pribilof Islands and Southeast Bering Sea (AL)



v. NOTAMs

The NOTAMs tab allows the user to access all Notices to Airmen (NOTAMs) that intersect the flight plan route corridor or an area briefing. Each sub-tab provides a filtered view of NOTAMs. The user also has the ability to view NOTAM (except FDC NOTAM) text in plain-text translation by selecting the Plain Text checkbox.

- Departure



This is focused on helping the user quickly review all NOTAMs for the departure specified in a flight plan.

NOTAMs are separated in to the following headings:

Navigation, Communication, Service, Obstruction within 10 nautical miles, Airspace within 10 nautical miles, Special Use Airspace within 10 nautical miles, Runway, Taxiway, Apron, Aerodrome, FDC, Other/Unverified, Military

- Destination

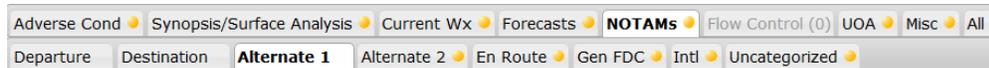


This is focused on helping the user quickly review all NOTAMs for the destination specified in a flight plan.

NOTAMs are separated in to the following headings:

Navigation, Communication, Service, Obstruction within 10 nautical miles, Airspace within 10 nautical miles, Special Use Airspace within 10 nautical miles, Runway, Taxiway, Apron, Aerodrome, FDC, Other/Unverified, Military

- Alternate 1

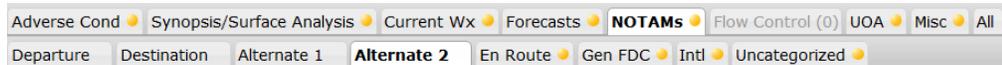


This is focused on helping the user quickly review all NOTAMS for the first alternate destination specified in a flight plan. This tab will not be visible if the first alternate destination is not specified.

NOTAMS are separated in to the following headings:

Navigation, Communication, Service, Obstruction, Airspace, Special Use Airspace, Runway, Taxiway, Apron, Aerodrome, FDC, Other/Unverified, Military

- **Alternate 2**



This is focused on helping the user quickly review all NOTAMS for the second alternate destination specified in a flight plan. This tab will not be visible if the second alternate destination is not specified.

NOTAMS are separated in to the following headings:

Navigation, Communication, Service, Obstruction, Airspace, Special Use Airspace, Runway, Taxiway, Apron, Aerodrome, FDC, Other/Unverified, Military

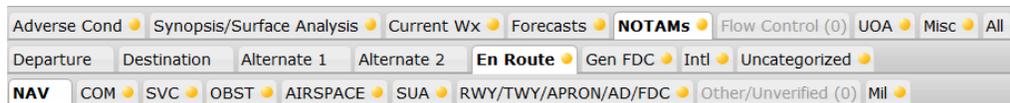
- **Departure/Destination/Alternate 1/Alternate 2 -> SUA/OBST/AIRSPACE**
NOTAM types that cannot be graphically depicted are indicated with **(Not Depicted On Graphics)** after the NOTAM text as shown below.

IDEN 05/859 KDEN OBST WIND TURBINE FARM WI AN AREA DEFINED AS BAD_ACTUAL_LOCATION 5859FT (5859FT AGL) NOT LGTD 1703290709-1706010500 05/859 **(Not Depicted On Graphics)**

For NOTAMS that can be graphically depicted, the following symbology is used in the graphical layer:

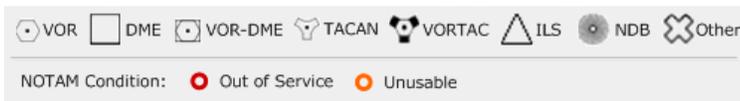


- **En Route->NAV**



This is focused on helping the user quickly review all Navigation NOTAMS that intersect the flight plan route corridor or an area briefing.

For Navigation NOTAMS, the following symbology is used in the graphical layer:

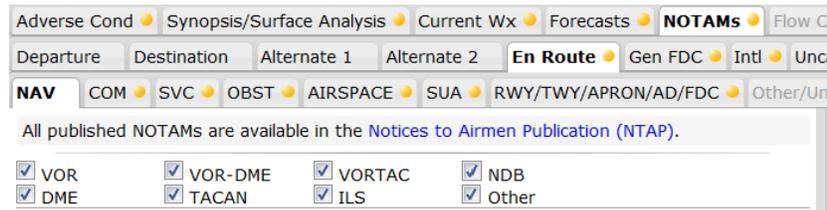


Navigation types are color coded based on the condition and depicted on the graphics showing the Affected location as labels. The corresponding NOTAM text for each of the Navigation types is shown on the text pane. Navigation types that cannot be graphically depicted are indicated with **(Not Depicted On Graphics)** after the NOTAM text as shown below.

!RDU 13/02051 HXO NAV NDB UNMONITORED WEF 1302071620 **(Not Depicted On Graphics)**

The user can choose to hide the labels by deselecting the Show Labels checkbox from the Auxiliary section of the Graphics Configuration Panel.

On top of the text pane, pilots can select or deselect Navigation types; only selected Navigation types will be displayed on both text pane and graphics pane.



- En Route->COM



This is focused on helping the user quickly review all Communication NOTAMs that intersect the flight plan route corridor or an area briefing.

For Communication NOTAMs, the following symbology is used in the graphical layer:



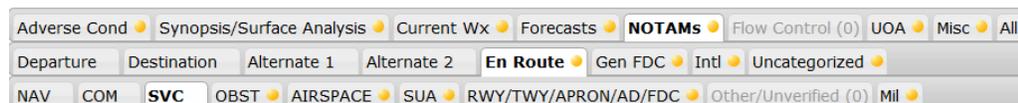
Communication types are color coded based on the condition and depicted on the graphics showing the Affected location as labels. The corresponding NOTAM text for each of the Communication types is shown on the text pane. Communication types that cannot be graphically depicted are indicated with (Not Depicted On Graphics) after the NOTAM text as shown below.

!JNU 14/02030 ISL COM NAKED ISLAND REMOTE COM OUTLET 122.3 **CHANGED TO**
133.15 1402032133-PERM (Not Depicted On Graphics)

!CXO 14/01344 K15T COM REMOTE COM OUTLET 122.35 **OUT OF SERVICE**
1401222101-1404221800EST (Not Depicted On Graphics)

The user can choose to hide the labels by deselecting the Show Labels checkbox from the Auxiliary section of the Graphics Configuration Panel.

- En Route->SVC



This is focused on helping the user quickly review all Service NOTAMs that intersect the flight plan route corridor or an area briefing.

The following symbology is used in the graphical layer:



The corresponding NOTAM text for each NOTAM is shown on the text pane. NOTAMs that cannot be graphically depicted are indicated with (Not Depicted On Graphics) after the NOTAM text as shown below.

!SMP 09/001 SMP Service en route flight advisory service not available Sep 24, 2015 1000Z-
permanent (Not Depicted On Graphics)

!SEA 09/223 4MI Service en route flight advisory service not available Sep 24, 2015 1000Z-
permanent (Not Depicted On Graphics)

- En Route->OBST



This is focused on helping the user quickly review all Obstruction NOTAMs that intersect the flight plan route corridor or an area briefing and not within 10 miles of the Departure or Destination.

Obstruction NOTAMs are categorized within the text pane as follows. NOTAMs found to be within the route corridor are added under the header "Location within route corridor". NOTAMs whose location is determined to be outside the route corridor are found under the header "Location outside route corridor (Not Depicted On Graphics)". NOTAMs for which an exact location cannot be determined are found under the header "Others (Not Depicted On Graphics)".

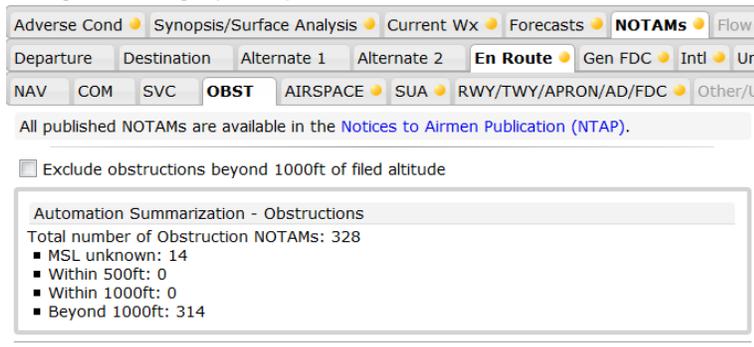
For Obstructions NOTAMs, the following symbology is used in the graphical layer:



Obstructions are color coded in relation to the filed altitude of the flight plan and depicted on the graphics showing the Mean Sea Level (MSL) as labels. The corresponding NOTAM text for each of the Obstructions is shown on the text pane. Obstructions that cannot be graphically depicted will appear under the "Location outside route corridor (Not Depicted On Graphics)" or "Others (Not Depicted On Graphics)" headers as described above.

The user can choose to hide the labels by deselecting the Show Labels checkbox from the Auxiliary section of the Graphics Configuration Panel.

On top of the text pane, pilots have the ability to view the summary of the Obstruction NOTAMs. Pilots can also choose to exclude obstructions beyond 1000ft of filed altitude; this will display the obstructions below 1000ft of the filed altitude highlighted in red and orange on the graphics pane.



- **En Route->AIRSPACE**



This is focused on helping the user quickly review Airspace NOTAMs that intersect the flight plan route corridor or an area briefing.

For AIRSPACE NOTAMs, the following symbology is used in the graphical layer:

Airspace NOTAMs

- En Route->SUA



This is focused on helping the user quickly review Special Use Airspace NOTAMs whose actual or affected locations (ARTCCs or FIRs) intersect the flight plan route corridor or an area briefing.

- En Route->RWY/TWY/APRON/AD/FDC



This is focused on helping the user quickly review all Runway, Taxiway, Apron, Aerodrome, and FDC NOTAMs that intersect the flight plan route corridor or an area briefing.

The following symbology is used in the graphical layer:



The corresponding NOTAM text for each NOTAM is shown on the text pane. NOTAMs that cannot be graphically depicted are indicated with (Not Depicted On Graphics) after the NOTAM text as shown below.

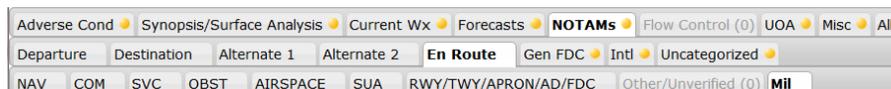
!FDC 6/8737 CN52 SPECIAL OROVILLE HOSPITAL, OROVILLE, CA. COPTER RNAV (GPS) 090, ORIG... LNAV MDA 680/HAS 316, VISIBILITY 3/4 MILE. 25 FEB 16:27 2016 UNTIL 06 OCT 16:24 2016 ESTIMATED. CREATED: 25 FEB 16:27 2016 (Not Depicted On Graphics)

- En Route->Other/Unverified



This is focused on helping the user quickly review Other and Unverified NOTAMs that intersect the flight plan route corridor or an area briefing. Other refers to NOTAMs whose equipment, aid, facility area, or service does not fit one of the identified keywords, such as a house on fire near an airport, but not on the airport grounds.

- En Route->Mil



This is focused on helping the user quickly review Military (Mil) NOTAMs that intersect the flight plan route corridor or an area briefing.

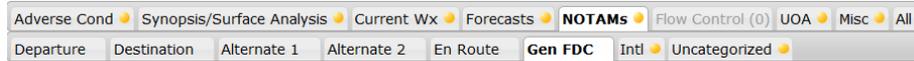
The following symbology is used in the graphical layer:



The corresponding NOTAM text for each NOTAM is shown on the text pane. NOTAMs that cannot be graphically depicted are indicated with (Not Depicted On Graphics) after the NOTAM text as shown below.

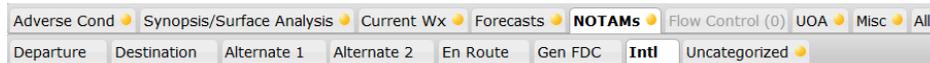
!KIKR 15/M0034 KIKR Parking spots D1-D5 and east TAXILINE on NMANG ramp closed until further notice. 28 December 15:53 2015 until 26 March 23:59 2016. Created: 28 December 15:30 2015 (Not Depicted On Graphics)

- Gen FDC



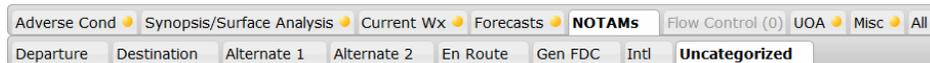
This is focused on helping the user quickly review and brief General Flight Data Center (GFDC) NOTAMs. General FDC NOTAMs are the same informational class of NOTAMs as FDC NOTAMs because they report information that is regulatory in nature. However, General FDC NOTAMs are not correlated to any specific affected location identifiers included in a flight plan route corridor or area briefing.

- Intl



This is focused on helping the user quickly review International (Intl) NOTAMs whose affected locations are included in the flight plan route corridor or an area briefing.

- Uncategorized



This is focused on helping the user quickly review all NOTAMs that do not have a recognized NOTAM type. NOTAMs may not be categorized because the type does not exist or because it was unintentionally misspelled.

vi. Flow Control



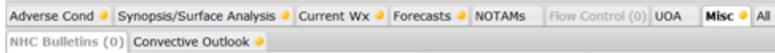
This allows the user to review advisories from the Air Traffic Control System Command Center (ATCSCC) that are associated with the flight path of the aircraft.

vii. UOA



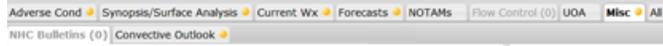
This allows the user to see the Unmanned Aircraft System (UAS) Operating Areas (UOAs) that intersect the route corridor for the briefing.

viii. Misc



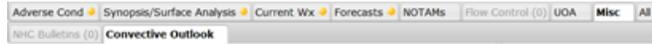
The Misc tab contains several sub-tabs containing information that is less frequently required for a pilot briefing.

- NHC Bulletins



This allows the user to review National Hurricane Center (NHC) bulletins, also known as Tropical Storm Public advisories and Tropical Cyclone Advisories (TCAs) or a Tropical Cyclone Public (TCP) advisory.

- Convective Outlook



This allows the user to review Convective Outlook messages that are associated with the flight path of the aircraft.

ix. All



This allows the user to review the entire content of the briefing. Pilots also have the ability to view the text for some products in plain-text translation by selecting the

Plain Text checkbox.

g. Briefing Graphics Pane

The graphics pane contains the accompanying graphical data for the particular tab or sub-tab currently selected and displayed on the text panel. When a sub-tab is selected on the text pane, the graphics pane will display the appropriate graphics like overlays for the tab. The table below lists the briefing product overlays displayed by default for each briefing tab along with the supplemental weather charts which may be accessed using the Supplemental Wx button and the default weather imagery displayed for each briefing tab. Note that the default imagery may be replaced with alternative imagery using the Graphics Configuration button.

Briefing Graphics Pane				
Level 1 Tab	Level 2 Tab	Level 3 Tab	Graphics	Default Imagery
Briefing Graphics Data				
Adverse Condition	TFR	N/A	Overlays: • TFRs Supplemental Weather Charts: • None	None
	Closed/Unsafe NOTAMs	N/A	Overlays: • Base Map Supplemental Weather Charts: None	None
	Conv SIG	N/A	Overlays: • ALL Conv SIGMETs • Conv SIGMET (default) • Conv SIGMET Outlook Supplemental Weather Charts: • CONUS: • CONUS Radar Summary	CONUS: • Mosaic Composite 10m Carib: • Puerto Rico Regional Radar Alaska: • Alaska Mosaic Base Reflectivity Hawaii: • Hawaii Base Reflectivity 10m
	SIGMET	N/A	Overlays: • SIGMETs Supplemental Weather Charts: • CONUS • Surface Analysis • Surface Prog 12Hr • Surface Prog 24Hr • Surface Prog 36Hr • Surface Prog 48Hr • Jet Stream 12Hr • Jet Stream 24Hr • Mexico • Caribbean Surface Analysis • Mex/Carib Surface Prog Day 1 • Mex/Carib Surface Prog Day 2 • Caribbean • Caribbean Surface Analysis • Caribbean Surface Prog 12Hr • Caribbean Surface Prog 24Hr • Caribbean Surface Prog 36Hr • Alaska	Same as Convective SIGMET

Briefing Graphics Pane				
Level 1 Tab	Level 2 Tab	Level 3 Tab	Graphics	Default Imagery
			<ul style="list-style-type: none"> Alaska Surface Map Alaska Sig Wx Pro 24Hr Alaska Sig Wx Prog 36Hr Canada: <ul style="list-style-type: none"> None Hawaii <ul style="list-style-type: none"> NE Pacific Surface Analysis 00 NE Pacific Surface Analysis 06 NE Pacific Surface Analysis 12 NE Pacific Surface Analysis 18 	
Adverse Condition	AIRMET	IFR	Overlays: <ul style="list-style-type: none"> IFR (default) IFR With Outlooks All Supplemental Weather Charts: <ul style="list-style-type: none"> Same as SIGMET 	Same as Convective SIGMET
		MTN Obsc	Overlays: <ul style="list-style-type: none"> MTN Obscuration (default) MTN Obscuration With Outlooks All Supplemental Weather Charts: <ul style="list-style-type: none"> Same as SIGMET 	
		Icing	Overlays: <ul style="list-style-type: none"> Icing (default) Icing With Outlooks All Supplemental Weather Charts: <ul style="list-style-type: none"> Same as SIGMET 	
		Freezing Level	Overlays: <ul style="list-style-type: none"> N/A for non-CONUS Freezing Level Chart for CONUS Supplemental Weather Charts: <ul style="list-style-type: none"> Same as SIGMET for non-CONUS Freezing Level Chart for CONUS 	
		Turb Low	Overlays: <ul style="list-style-type: none"> Turb Low Alt (default) Turb Low Alt With Outlooks All Supplemental Weather Charts: <ul style="list-style-type: none"> Same as SIGMET 	
		Turb High	Overlays: <ul style="list-style-type: none"> Turb High Alt (default) Turb High Alt With Outlooks All Supplemental Weather Charts: <ul style="list-style-type: none"> Same as SIGMET 	
		Winds>30 Kts	Overlays: <ul style="list-style-type: none"> Winds > 30 (default) Winds > 30 With Outlooks All Supplemental Weather Charts: <ul style="list-style-type: none"> Same as SIGMET 	
		LLWS	Overlays: <ul style="list-style-type: none"> Low Level Wind Shear (LLWS) (default) LLWS With Outlooks All 	

Briefing Graphics Pane				
Level 1 Tab	Level 2 Tab	Level 3 Tab	Graphics	Default Imagery
			Supplemental Weather Charts: • Same as SIGMET	
		Other	Overlays: • Other (default) • Other With Outlooks • All Supplemental Weather Charts: • Same as SIGMET	
Adverse Condition	UUA	N/A	Overlays: • PIREP Supplemental Weather Charts: None	None
	CWA	N/A	Overlays: • CWA polygon layer Supplemental Weather Charts: None	Same as Convective SIGMET
	Severe Weather	N/A	Overlays: • Severe Weather Supplemental Weather Charts:None	
Synopsis/Surface Analysis	N/A	N/A	Overlays: • Base Map Supplemental Weather Charts: • CONUS • Surface Analysis (default) • Surface Prog 12Hr • Surface Prog 24Hr • Surface Prog 36Hr • Surface Prog 48Hr • Radar Summary CONUS • Radar Summary North East • Radar Summary South East • Radar Summary North Central • Radar Summary South Central • Radar Summary North West • Radar Summary South West • Mexico • Caribbean Surface Analysis (default) • Mex/Carib Surface Prog Day 1 • Mex/Carib Surface Prog Day 2 • Caribbean • Caribbean Surface Analysis (default) • Caribbean Surface Prog 12hr • Caribbean Surface Prog 24hr • Caribbean Surface Prog 36hr • Alaska • Alaska Surface Map (default) • Alaska Sig Wx Prog 24Hr • Alaska Sig Wx Prog 36Hr • Canada • None • Hawaii • NE Pacific Surface Analysis 00 (default) • NE Pacific Surface Analysis 06 • NE Pacific Surface Analysis 12 • NE Pacific Surface Analysis 18	Same as Convective SIGMET
Current Wx	METAR	N/A	Overlays: • METAR/SPECI (default) Supplemental Weather Charts:	Same as Convective SIGMET

Briefing Graphics Pane				
Level 1 Tab	Level 2 Tab	Level 3 Tab	Graphics	Default Imagery
			<ul style="list-style-type: none"> • CONUS • Wx Depiction • Other Regions • None 	
	PIREP	N/A	Overlays: <ul style="list-style-type: none"> • ALL Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	Same as UJA above
Forecasts	Clouds	N/A	Overlays: <ul style="list-style-type: none"> • Cloud Coverage Chart (NEXTGEN) • Base Map (STANDARD) Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	None
	Vis, Sfc Winds & Precip	N/A	Overlays: <ul style="list-style-type: none"> • Visibility, Surface Winds, Precipitation and Weather Chart (NEXTGEN) • Base Map (STANDARD) Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	None
	Area Forecast	N/A	Overlays: <ul style="list-style-type: none"> • Area Forecast (default) Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	Same as Convective SIGMET
	Terminal Forecast	N/A	Overlays: <ul style="list-style-type: none"> • Area Forecast (default) Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	Same as Convective SIGMET
	Winds Aloft	N/A	Overlays: <ul style="list-style-type: none"> • Winds Aloft Wind Barbs for selected Altitude and Forecast Period (NEXTGEN) • Winds Aloft (STANDARD) Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	None
NOTAMs	Departure	N/A	Overlays: <ul style="list-style-type: none"> • Airspace, OBST and SUA types within 10 NM of Departure • A single graphic located at the Departure will depict any and all Navigation, Communication, Service, Runway, Taxiway, Apron, Aerodrome, FDC, Other/Unverified and Military NOTAMs Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	None
	Destination	N/A	Overlays: <ul style="list-style-type: none"> • Airspace, OBST and SUA types within 10 NM of Destination • A single graphic located at the Destination will depict any and all Navigation, Communication, Service, Runway, Taxiway, Apron, Aerodrome, FDC, Other/Unverified and Military NOTAMs Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	None

Briefing Graphics Pane					
Level 1 Tab	Level 2 Tab	Level 3 Tab	Graphics	Default Imagery	
	Alternate 1	N/A	Overlays: <ul style="list-style-type: none"> • Airspace, OBST and SUA types at the Alternate 1 • A single graphic located at the Alternate 1 will depict any and all Navigation, Communication, Service, Runway, Taxiway, Apron, Aerodrome, FDC, Other/Unverified and Military NOTAMs Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	None	
	Alternate 2	N/A	Overlays: <ul style="list-style-type: none"> • Airspace, OBST and SUA types at the Alternate 2 • A single graphic located at the Alternate 2 will depict any and all Navigation, Communication, Service, Runway, Taxiway, Apron, Aerodrome, FDC, Other/Unverified and Military NOTAMs Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	None	
	En Route		NAV	Overlays: <ul style="list-style-type: none"> • Navigation types based on NOTAM condition Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	None
			COM	Overlays: <ul style="list-style-type: none"> • Base Map Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	None
			SVC	Overlays: <ul style="list-style-type: none"> • Base Map Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	None
			OBST	Overlays: <ul style="list-style-type: none"> • Obstruction (MSL) proximity to filed altitude Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	None
			AIRSPACE	Overlays: <ul style="list-style-type: none"> • Airspace types other than SUA NOTAM types Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	None
			SUA	Overlays: <ul style="list-style-type: none"> • ALL (default) • MOA • Alert • Restricted • Warning • Prohibited • Unspecified • Military IFR Route • Military VFR Route • Military Slow Route • Aerial Refueling Route Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	None
			RWY/TWY/ APRON/AD/FD C	Overlays: <ul style="list-style-type: none"> • Base Map Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	None

Briefing Graphics Pane				
Level 1 Tab	Level 2 Tab	Level 3 Tab	Graphics	Default Imagery
			<ul style="list-style-type: none"> • None 	
		Other/Unverified	Overlays: <ul style="list-style-type: none"> • Base Map Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	None
		Mil	Overlays: <ul style="list-style-type: none"> • Base Map Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	None
	Gen FDC	N/A	Overlays: <ul style="list-style-type: none"> • ARTCC Boundaries Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	None
	Intl	N/A	Overlays: <ul style="list-style-type: none"> • Base Map Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	None
	Uncategorized	N/A	Overlays: <ul style="list-style-type: none"> • Base Map Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	None
Flow Control	N/A	N/A	Overlays: <ul style="list-style-type: none"> • ARTCC Boundaries Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	None
UOA	N/A		Overlays: <ul style="list-style-type: none"> • UOA polygon layer Supplemental Weather Charts: None	None
Misc	NHC Bulletins	N/A	Overlays: <ul style="list-style-type: none"> • Base Map Supplemental Weather Charts: <ul style="list-style-type: none"> • CONUS <ul style="list-style-type: none"> • Gulf of Mexico Active Cyclones (default) • Mexico <ul style="list-style-type: none"> • Gulf of Mexico Active Cyclones (default) • Caribbean <ul style="list-style-type: none"> • Caribbean Se Active Cyclones (default) • Hawaii <ul style="list-style-type: none"> • Central North Pacific Active Cyclones (default) 	None
	Convective Outlook	N/A	Charts: <ul style="list-style-type: none"> • Day 1 Convective Outlook • Day 2 Convective Outlook • Day 3 Convective Outlook 	None
All	N/A	N/A	Overlays: <ul style="list-style-type: none"> • Base Map Supplemental Weather Charts: <ul style="list-style-type: none"> • None 	None

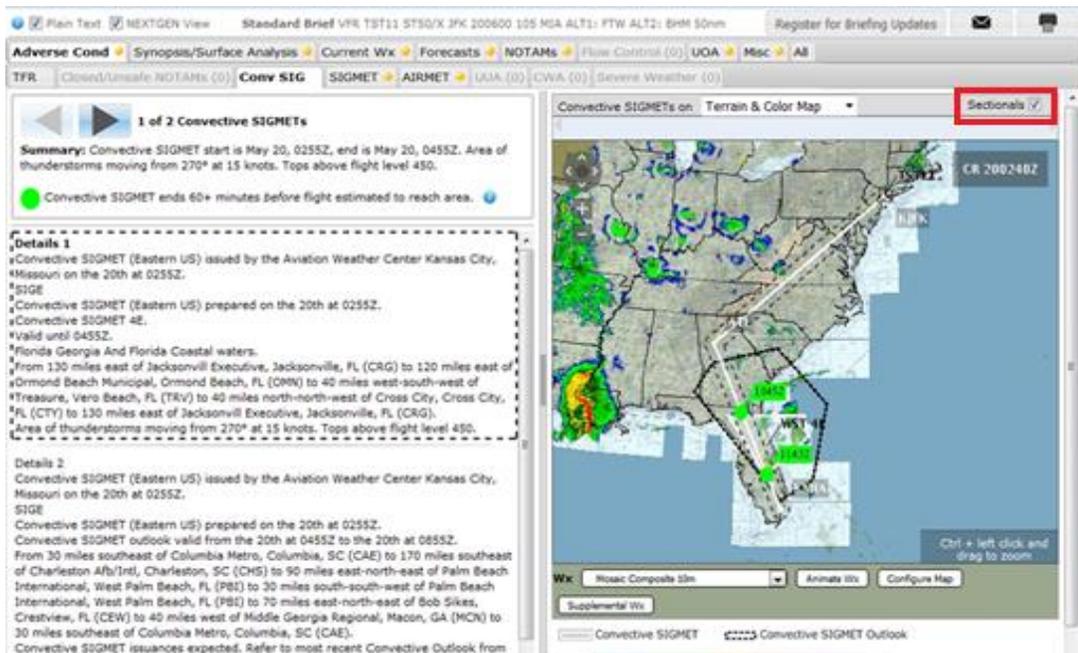
i. Background Map

Additionally the background map for most of the briefing tab graphics may be modified by the pilot using the dropdown list that appears at the top of the graphic pane:

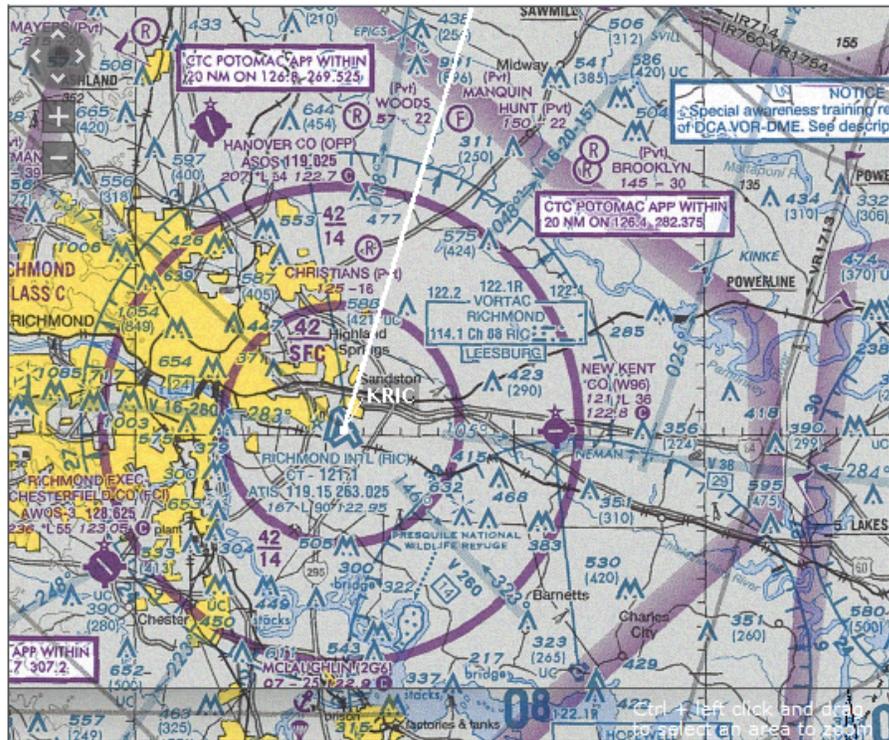


The Terrain & Color Map is the default background for all tabs except the UUA and PIREP tabs, which use the Monochrome Dark Map. Alternatively, the pilot may select the Color Map or the Monochrome Light Map as the background. This selection is only retained for the duration of this briefing.

The Sectional Map data will be displayed above the base imagery but below all other overlays if **Sectionals** is selected. The image in the Briefing Graphics Pane will be updated to display a set of seamless Sectional charts.



These Sectional charts have been modified from their original format in order to allow multiple adjacent charts to be displayed simultaneously without the legends from one chart obscuring the map data from another. Zoom in on the selected area of interest on the graphics window to see the navigation data on the chart,



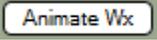
ii. **Button Bar**

At the bottom of the graphics pane is a button bar which contains a number of buttons the pilot may use to modify the graphic.

a. Weather Imagery Dropdown List:



This dropdown list allows the user to select radar or satellite imagery to display on the map. The imagery products that are available are categorized by the following geographical areas: Alaska, Canada, CONUS, Caribbean, Hawaii, and Mexico. The user can turn off imagery by selecting “None”.

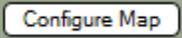
- b. Animate Wx button: 

This button displays the Animation controls which allow the pilot to animate the radar or satellite weather graphics. Clicking the button displays the following controls:



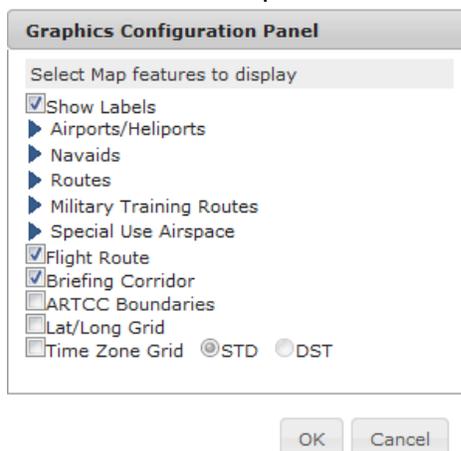
Clicking on the play button, , starts the animation of the weather. The weather images may also be stepped through one at a time using the forward, , or back, , buttons. The speed of the animation may also be controlled using the slider, .

- c. Graphics Configuration Panel

The system will display the Graphics Configuration Panel popup when the  button is clicked. This popup allows the user to select the Auxiliary Layers that overlays on the map displayed in the Graphics pane.

➤ Map Features

Map Features allow the user to select additional graphics layers to be displayed on the map. Different categories of layers are grouped together, and an accordion control allows expansion and contraction of each group.



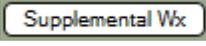
For Current Wx -> METAR, an additional layer to show the Station Labels is available for selection.

Show Station Labels

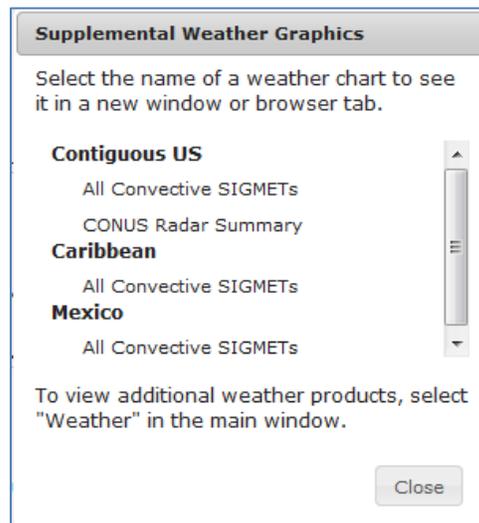
For the Navaid layers, the following symbology is used:

-  VOR
-  VORTAC
-  VOR-DME
-  DME
-  ILS
-  NDB
-  TACAN

A small black square (4x4 Pixels) is used when a technical issue prevents the correct icon from being displayed.

- d. Supplemental Wx button: 

This button launches the Supplemental Weather Graphics dialog which the pilot may use to open weather charts which may be useful in relation to the current briefing tab. These weather charts will open in separate windows. The dialog appears as follows:



h. Route Briefing

For Route Briefing, select the **Standard Brief**, **Outlook Brief**, or **Abbreviated Brief** button from the Flight Planning & Briefing page or from the Pilot Dashboard page.

The following information is required to request a Standard Route Briefing:

- Flight Rule
- Aircraft ID
- Aircraft Type
- Aircraft Equipment
- Departure Point,
- Proposed Departure Date
- Proposed Departure Time
- Airspeed, Altitude
- Destination Point

There are three types of Route Briefing:

i. **Standard Brief**

The Standard Brief option will display all Route Briefing tabs.

ii. **Outlook Brief**

The Outlook Brief will display the following Route Briefing tabs:

- Temporary Flight Restrictions
- Closed/Unsafe NOTAMs
- Convective SIGMET
- SIGMET
- IFR
- Mountain Obscuration
- Icing
- Freezing Level
- Turbulence Low Altitude
- Turbulence High Altitude
- Winds over 30 Knots
- Low Level Wind Shear
- Other (AIRMET)
- Urgent Pilot Report
- Center Weather Advisory
- Severe Weather
- Synopsis/Surface Analysis
- Clouds
- Vis, Sfc Winds & Precip
- Area Forecast
- Terminal Forecast

iii. **Abbreviated Brief**

The Abbreviated Brief option will present a popup for the user to choose which Route Briefing tabs to display. In dialogs for selecting the contents of briefings, the Adverse Conditions group will be selected by default.

Abbreviated Briefing Selection Page

Select Briefing Contents: All Clear

- Adverse Conditions**
 - Temporary Flight Restrictions
 - Closed/Unsafe NOTAMS
 - Convective SIGMET
 - SIGMET
 - AIRMET
 - IFR
 - Mountain Obscuration
 - Icing
 - Freezing Level
 - Turbulence Low Altitude
 - Turbulence High Altitude
 - Winds over 30 Knots
 - Low Level Wind Shear
 - Other
 - Urgent Pilot Report
 - Center Weather Advisory
 - Severe Weather

- Forecasts**
- Cloud Coverage
- Vis, Sfc Winds & Precip
- Terminal Forecast
- Winds Aloft
- Area Forecast
- Flow Control**
- Air Traffic Control System Command Center
- UAS Operating Area**
- UAS Operating Area
- Miscellaneous**
- NHC Bulletins
- Convective Outlook
- NOTAMS**
- Departure
- Destination
- En Route**
- Navigation
- Communication
- Service
- Obstruction
- Airspace
- Special Use Airspace
- Runway/Taxiway/Apron/Aerodrome/FDC
- Other/Unverified
- Military
- General FDC
- International
- Uncategorized
- Synopsis**
- Synopsis/Surface Analysis
- Current Weather**
- METAR
- Pilot Reports

Continue Cancel

iv. **Scheduled Email Brief**

The Scheduled Email option will present a popup for the user to choose which Routing Briefing tabs to display. The date and time for when to send the briefing, an email address to receive the briefing, and at least one briefing content option are required. In the dialog for selecting the contents of the briefing, the Adverse Conditions group will be selected by default. After successfully scheduling a briefing, the “successfully scheduled” popup will contain a [Register for Briefing Updates](#) button for registering for Briefing Update if the scheduled briefing is less than 48 hours from the current time. After scheduling the briefing, the briefing can be viewed, amended, and canceled from the Pilot Dashboard page.

Email Briefing

Send Briefing at:
 Date (MM/DD/YYYY):
 Time (HHMM):

Email briefing to:
 vendor_healthcheck@emulator.com

When Email is sent, Email addresses will be added to Account > User

Select Briefing Contents:

Adverse Conditions

- Delta
- Temporary Flight Restrictions
- Closed/Unsafe NOTAMS
- Convective SIGMET
- SIGMET
- AIRMET
 - IFR
 - Mountain Obscuration
 - Icing
 - Freezing Level
 - Turbulence Low Altitude
 - Turbulence High Altitude
 - Winds over 30 Knots
 - Low Level Wind Shear
 - Other
- Urgent Pilot Report
- Center Weather Advisory
- Severe Weather

Synopsis

- Synopsis/Surface Analysis

Current Weather

- METAR
- Pilot Reports

Forecasts

- Cloud Coverage
- Vis, Sfc Winds & Precip
- Terminal Forecast
- Winds Aloft
- Area Forecast

NOTAMS

- Departure
- Destination
- En Route
 - Navigation
 - Communication
 - Service
 - Obstruction
 - Airspace
 - Special Use Airspace
 - Runway/Taxiway/Apron/Aerodrome/FDC
 - Other/Unverified
 - Military
- General FDC
- International
- Uncategorized

Flow Control

- Air Traffic Control System Command Center

UAS Operating Area

- UAS Operating Area

Miscellaneous

- NHC Bulletins
- Convective Outlook

Email Briefing

The email was successfully scheduled.

You may register for Briefing Updates to be sent for adverse conditions and synopsis information received after this briefing, for this flight.

Email Briefing

The email was successfully scheduled.

i. Area Briefing

For an Area Briefing, select the , next to the Destination, Departure, Alternate 1 or Alternate 2 fields on the Flight Planning & Briefing page. The provided Area Brief will use the flight plan's departure date and time and will cover a configurable radius around the fix. The default radius is 25 nautical miles. A standard area briefing will



appear. The Area Briefing button provides a drop down selection to allow for four briefing types and an area settings configuration dialog.

The following is a description of each of the actions performed by the Area Brief drop down buttons:

i. Standard Brief

The Standard Brief option will display all Area Briefing tabs.

ii. Outlook Brief

The Outlook Brief will display the following Area Briefing tabs:

- Temporary Flight Restrictions
- Closed/Unsafe NOTAMs
- Convective SIGMET
- SIGMET
- IFR
- Mountain Obscuration
- Icing
- Freezing Level
- Turbulence Low Altitude
- Turbulence High Altitude
- Winds over 30 Knots
- Low Level Wind Shear
- Other (AIRMET)
- Urgent Pilot Report
- Center Weather Advisory
- Severe Weather
- Synopsis/Surface Analysis
- Clouds
- Vis, Sfc Winds & Precip
- Area Forecast
- Terminal Forecast

iii. Abbreviated Brief

The Abbreviated Brief option will present a popup for the user to choose which Area Briefing tabs to display. In the dialog for selecting the contents of the briefing, the Adverse Conditions group will be selected by default.

Abbreviated Briefing Selection Page

Select Briefing Contents:

Adverse Conditions

- Temporary Flight Restrictions
- Closed/Unsafe NOTAMs
- Convective SIGMET
- SIGMET
- AIRMET**
 - IFR
 - Mountain Obscuration
 - Icing
 - Freezing Level
 - Turbulence Low Altitude
 - Turbulence High Altitude
 - Winds over 30 Knots
 - Low Level Wind Shear
 - Other
- Urgent Pilot Report
- Center Weather Advisory
- Severe Weather

Synopsis

Synopsis/Surface Analysis

Current Weather

METAR

Pilot Reports

Forecasts

- Cloud Coverage
- Vis, Sfc Winds & Precip
- Terminal Forecast
- Winds Aloft
- Area Forecast

NOTAMs

- Departure
- Destination
- En Route**
 - Navigation
 - Communication
 - Service
 - Obstruction
 - Airspace
 - Special Use Airspace
 - Runway/Taxiway/Apron/Aerodrome/FDC
 - Other/Unverified
 - Military
- General FDC
- International
- Uncategorized

Flow Control

Air Traffic Control System Command Center

UAS Operating Area

UAS Operating Area

Miscellaneous

NHC Bulletins

Convective Outlook

iv. Scheduled Email Brief

The Scheduled Email option will present a popup for the user to choose which Area Briefing tabs to display. In the dialog, the date and time for when to send the briefing, an email address to receive the briefing, and at least one briefing content option are required. In the dialog for selecting the contents of the briefing, the Adverse Conditions group will be selected by default. After successfully scheduling a briefing, the “successfully scheduled” popup will contain a [Register for Briefing Updates](#) button for registering for Briefing Update if the scheduled briefing is less than 48 hours from the current time. After scheduling the briefing, the briefing can be viewed, amended, and canceled from the Pilot Dashboard page.

Email Briefing

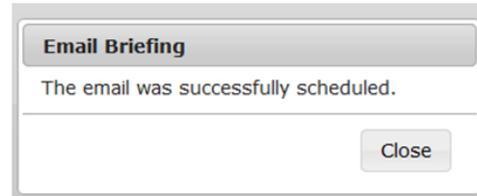
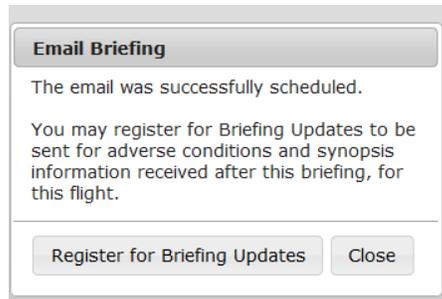
Send Briefing at:
Date (MM/DD/YYYY):
Time (HHMM):

Email briefing to:
 vendor_healthcheck@emulator.com

When Email is sent, Email addresses will be added to Account > User

Select Briefing Contents:

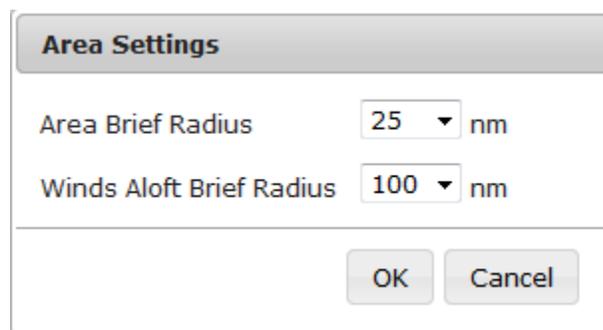
<input checked="" type="checkbox"/> Adverse Conditions <input type="checkbox"/> Delta <input checked="" type="checkbox"/> Temporary Flight Restrictions <input checked="" type="checkbox"/> Closed/Unsafe NOTAMs <input checked="" type="checkbox"/> Convective SIGMET <input checked="" type="checkbox"/> SIGMET <input checked="" type="checkbox"/> AIRMET <input checked="" type="checkbox"/> IFR <input checked="" type="checkbox"/> Mountain Obscuration <input checked="" type="checkbox"/> Icing <input checked="" type="checkbox"/> Freezing Level <input checked="" type="checkbox"/> Turbulence Low Altitude <input checked="" type="checkbox"/> Turbulence High Altitude <input checked="" type="checkbox"/> Winds over 30 Knots <input checked="" type="checkbox"/> Low Level Wind Shear <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> Urgent Pilot Report <input checked="" type="checkbox"/> Center Weather Advisory <input checked="" type="checkbox"/> Severe Weather	<input type="checkbox"/> Forecasts <input checked="" type="checkbox"/> Cloud Coverage <input checked="" type="checkbox"/> Vis, Sfc Winds & Precip <input type="checkbox"/> Terminal Forecast <input type="checkbox"/> Winds Aloft <input type="checkbox"/> Area Forecast	<input type="checkbox"/> Flow Control <input type="checkbox"/> Air Traffic Control System Command Center
<input type="checkbox"/> Synopsis <input checked="" type="checkbox"/> Synopsis/Surface Analysis	<input type="checkbox"/> NOTAMS <input type="checkbox"/> Departure <input type="checkbox"/> Destination <input type="checkbox"/> En Route <input type="checkbox"/> Navigation <input type="checkbox"/> Communication <input type="checkbox"/> Service <input type="checkbox"/> Obstruction <input type="checkbox"/> Airspace <input type="checkbox"/> Special Use Airspace <input type="checkbox"/> Runway/Taxiway/Apron/Aerodrome/FDC <input type="checkbox"/> Other/Unverified <input type="checkbox"/> Military <input type="checkbox"/> General FDC <input type="checkbox"/> International <input type="checkbox"/> Uncategorized	<input type="checkbox"/> UAS Operating Area <input type="checkbox"/> UAS Operating Area
<input type="checkbox"/> Current Weather <input type="checkbox"/> METAR <input type="checkbox"/> Pilot Reports		<input type="checkbox"/> Miscellaneous <input type="checkbox"/> NHC Bulletins <input type="checkbox"/> Convective Outlook



v. Area Settings

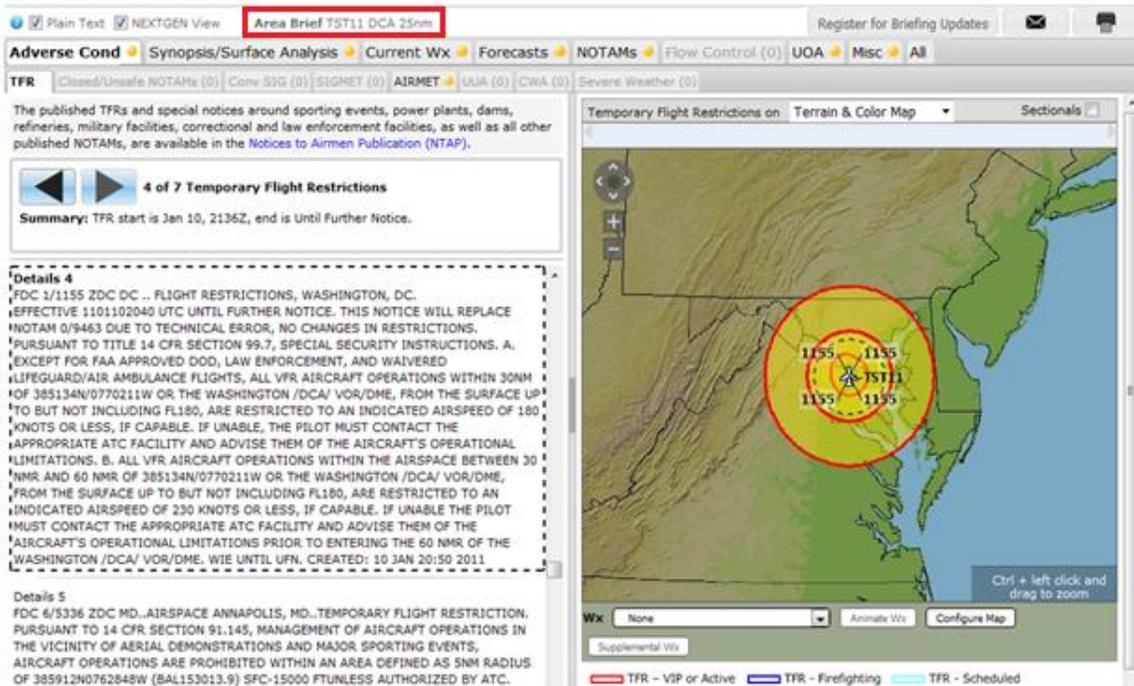
The Area Settings option will bring up an Area Settings dialog box that allows the user to choose the radius to be used for the area briefing (for tabs other than the winds aloft tab) and the radius to be used for the winds aloft briefing tab. Options for the area brief radius are 25, 50, 75, and 100 nautical miles with a default value of 25. Options for the winds aloft brief radius are 50, 100, 150, and 300 nautical miles with a default of 100.

Each of the Departure, Destination, Alternate 1, and Alternate 2 Area Brief drop down lists contains an Area Settings dialog button. Selecting values on any one of the Area Setting dialogs will set the values for all four. The values selected will persist until the form is reset and are not saved to the user's profile.

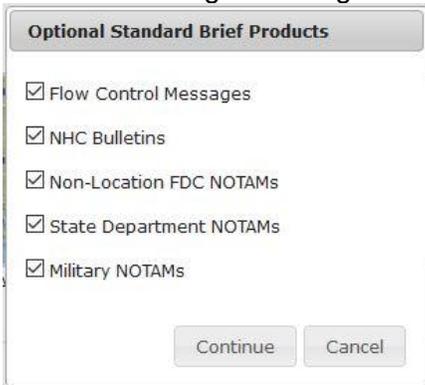


One of the following minimums must be met to request an Area Briefing:

- Aircraft ID, Departure Point, Proposed Departure Date, Proposed Departure Time
- Aircraft ID, Destination Point, Proposed Departure Date, Proposed Departure Time
- Aircraft ID, Alternate Airport, Proposed Departure Date, Proposed Departure Time
- Aircraft ID, Alternate Airport 2, Proposed Departure Date, Proposed Departure Time



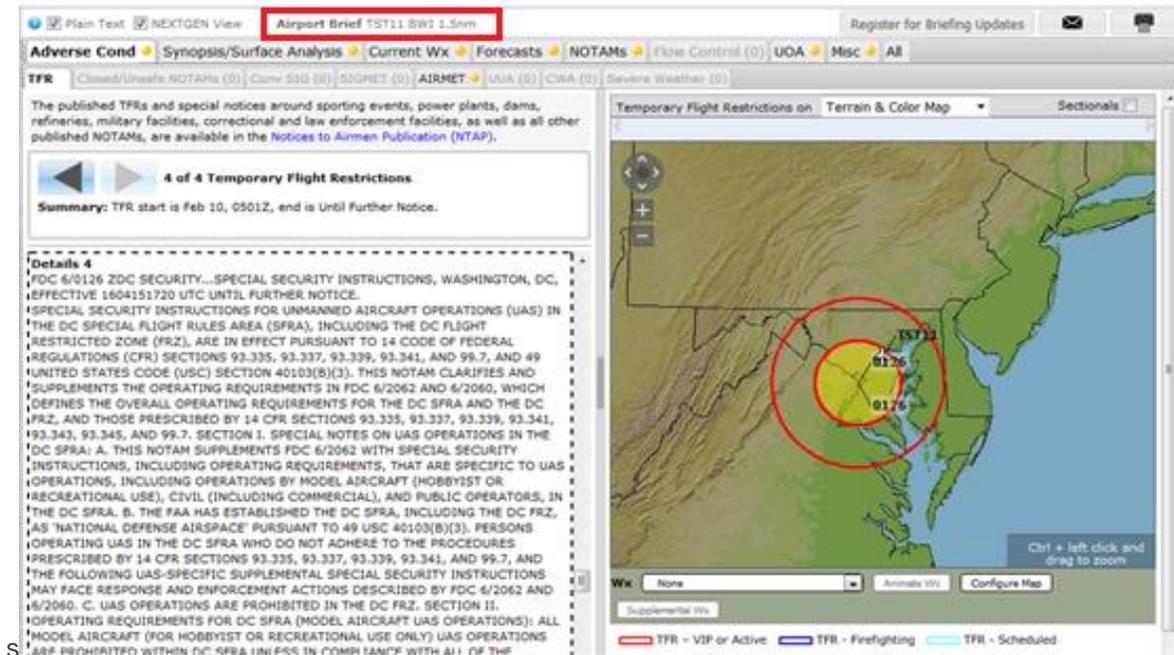
For Area Briefing of an Airport, select the **Airport Brief** button from the Pilot Dashboard page. It brings up an Optional Standard Brief Products dialog that allows the user to choose including/excluding certain optional briefing products.



After selecting the **Continue** button from Optional Standard Brief Products dialog, an area briefing request for the associated airport is initiated after another **Continue** button is selected from the Please wait dialog. The optional standard briefing preferences will be saved to the pilot preferences.

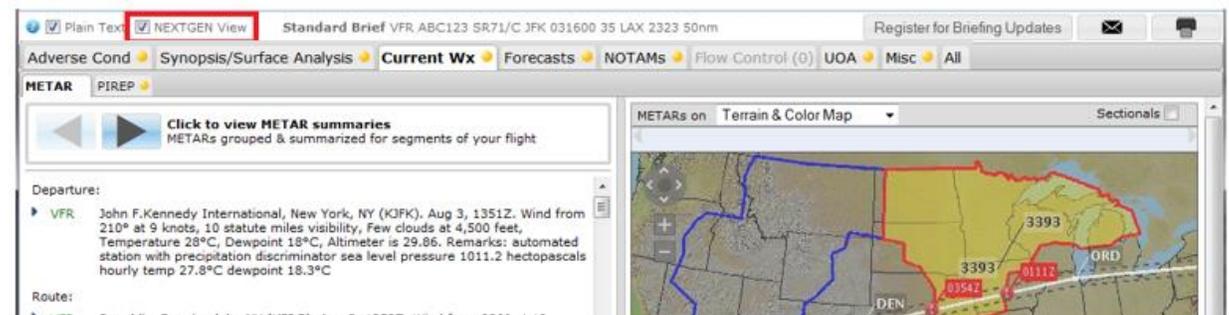
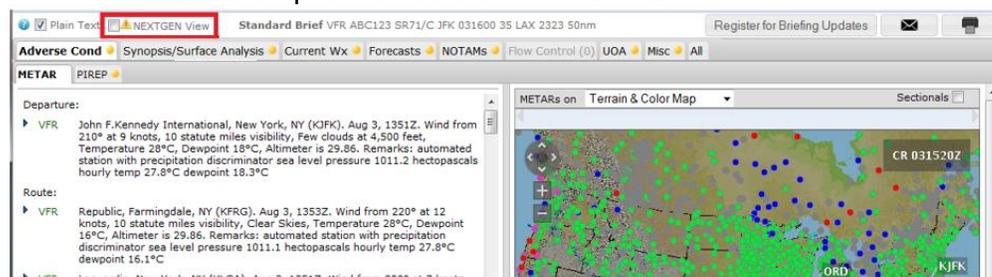
The following information is required to request an Airport Briefing:

- Aircraft ID

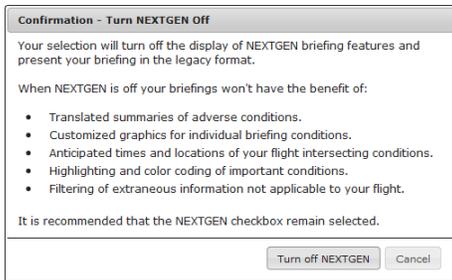


j. Next Generation Briefing

Several Briefing tabs have Next Generation Briefing capability. These tabs can either be displayed as the default Standard briefing as in a “STANDARD” view or in Next Generation briefing as in a “NEXTGEN” view. Users can toggle between the two views and the selected view is retained when navigating between the briefing tabs. The exception is the Delta tab, which is only available with NEXTGEN features and does not include the option to use the “STANDARD” view.



A confirmation dialog is displayed when NEXTGEN View is unchecked.



The following products have NEXTGEN brief option which gives pilots enhanced next generation briefing capabilities.

- Adverse Cond
 - Delta (NEXTGEN only)
 - TFR
 - Conv SIG
 - SIGMET
 - AIRMET
 - IFR
 - MTN Obsc
 - Icing
 - Freezing Level
 - Turb Low
 - Turb High
 - Wnds>30 Kts
 - LLWS
 - Other
 - UUA
 - CWA
 - Severe Weather
- Current Wx
 - METAR
 - PIREP
- Forecasts
 - Clouds
 - Vis, Sfc Winds & Precip
 - Terminal Forecasts
 - Area Forecasts
 - Winds Aloft
- UOA
- Misc
 - Convective Outlook

In addition, for TFRs and the NextGen enhanced weather products that are defined by polygons, the pilot will be shown an estimate of when the route of flight is predicted to pass by or pass through those polygons as well as how close in time the route is to the weather product's active times. This information is displayed in timetags in the text summaries and graphics pane of the Next Generation Briefing. These timetags aid the pilot in decision making and avoidance of TFRs and severe weather phenomena.

In order to see the passing timetags and summaries you must first put the briefing in NextGen briefing view. Intersection timetags can be seen for

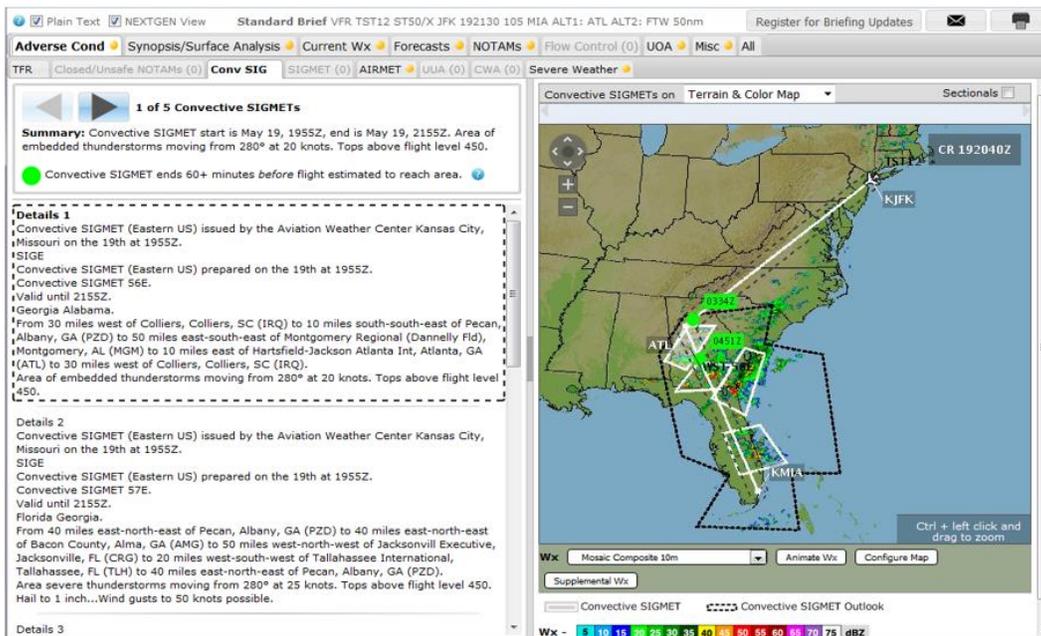
- TFR
- SIGMET
- Convective SIGMET
- AIRMET

- CWA
- Severe Weather
- UOA

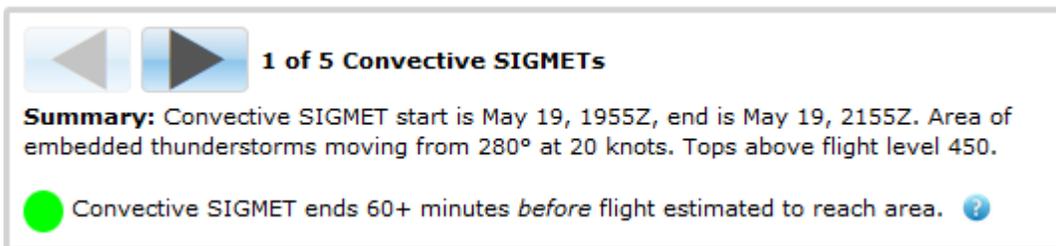
These timetags will be displayed on the pilot web briefing page in the text summary area of the text pane and in the graphic pane as labels attached to the route. Using the planned cruising speed the system estimates the time at which the planned route of flight passes through or near one of the polygon types listed above. The timetags are attached at the points along the route the aircraft is expected to reach by the time displayed in the timetag. In the graphic image and text summary, three different icons are used to give you a quick indication of your route's proximity to a TFR or weather product when it is active. The icons are shown below:

Icon	Label Color	Description
	Green	The route of flight is estimated to pass a TFR or weather product well outside its active time.
	Yellow	The route of flight is estimated to pass a TFR or weather product at a time that could put the aircraft nearby when it is active should the estimated departure time change significantly (an hour or more either way).
	Red	The route of flight is estimated to pass a TFR, SIGMET, CWA or Severe Weather Warning when it is active.

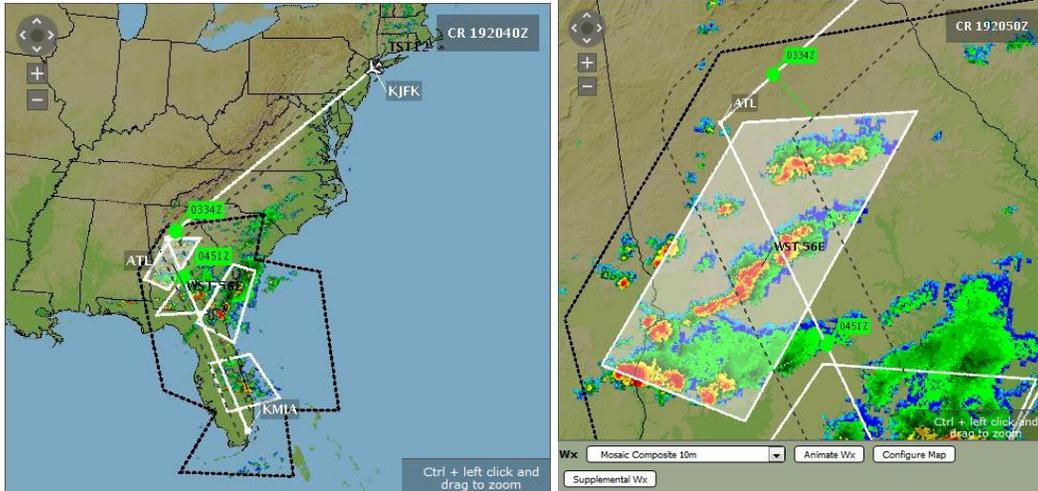
Examples of summary information are shown below:



The screenshot shows a pilot web briefing interface. The top navigation bar includes tabs for 'Adverse Cond', 'Synopsis/Surface Analysis', 'Current Wx', 'Forecasts', 'NOTAMS', 'Flow Control (0)', 'UOA', 'Misc', and 'All'. Below this, there are sub-tabs for 'TFR', 'Closed/Unsafe NOTAMS (0)', 'Conv SIG', 'SIGMET (0)', 'AIRMET', 'UUA (0)', 'CWA (0)', and 'Severe Weather'. The main content area is titled '1 of 5 Convective SIGMETs'. It features a summary: 'Convective SIGMET start is May 19, 1955Z, end is May 19, 2155Z. Area of embedded thunderstorms moving from 280° at 20 knots. Tops above flight level 450.' Below the summary is a green circle icon and the text 'Convective SIGMET ends 60+ minutes before flight estimated to reach area.' To the right is a weather map of the Eastern US showing a flight route from ATL to KJFK. The map includes a legend for 'Convective SIGMET' and 'Convective SIGMET Outlook' and a color scale for precipitation intensity in dBZ.



This block displays a summary for a Convective SIGMET. It includes navigation arrows, the title '1 of 5 Convective SIGMETs', and the following text: 'Summary: Convective SIGMET start is May 19, 1955Z, end is May 19, 2155Z. Area of embedded thunderstorms moving from 280° at 20 knots. Tops above flight level 450.' Below this is a green circle icon and the text 'Convective SIGMET ends 60+ minutes before flight estimated to reach area.' with a help icon.



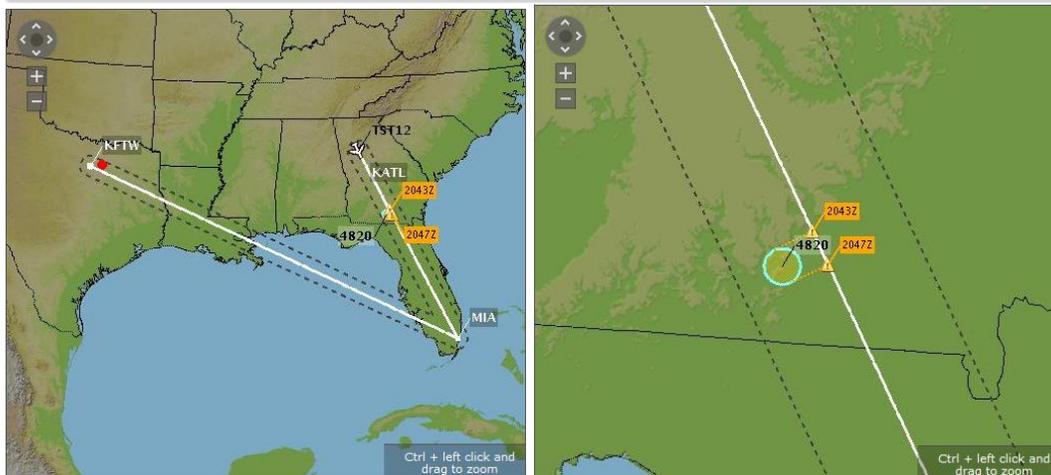
The figures above show a Convective SIGMETs that are active more than 60 minutes prior to the time the aircraft following this route of flight is estimated to pass through the Convective SIGMETs.

◀
▶

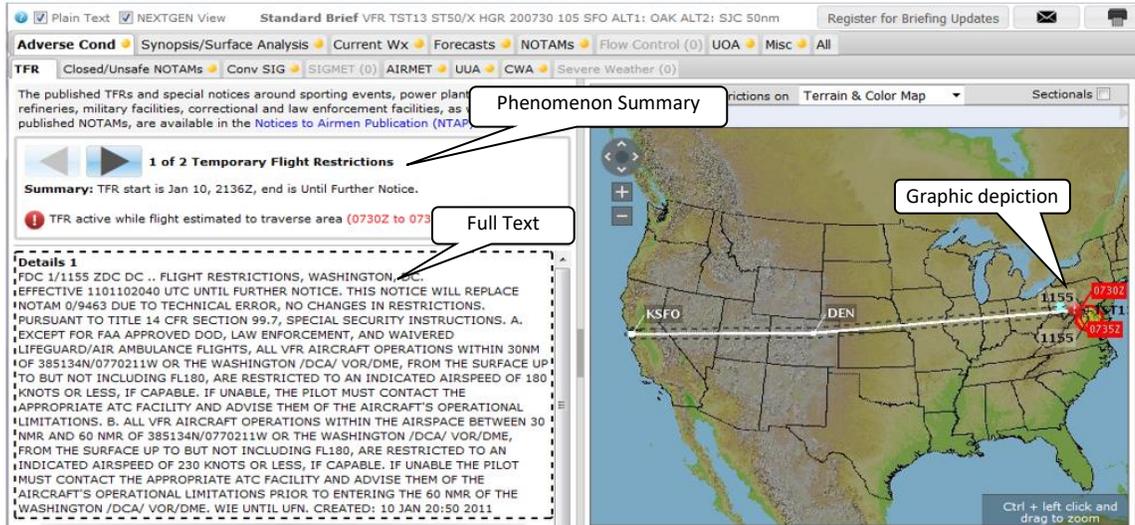
1 of 2 Temporary Flight Restrictions

Summary: TFR start is May 19, 1530Z, end is May 19, 2000Z.

⚠ TFR ends 42 minutes *before* flight estimated to reach area. ?



The figures above show a TFR that is passed through while it is active. Non-severe weather product intersection is shown with warning icon and yellow background.



Pilots also have the ability to view smart plain-text translation of Conv SIG, SIGMET, AIRMET and CWA where translations of weather phenomena are provided with the ability to view the corresponding highlighted area in the graphic.

The Adverse Condition briefing tabs consist of the following:

- Delta, only included when this flight plan has had a previous briefing.
- TFR, for Temporary Flight Restriction messages.
- Conv SIG, for Convective SIGMET messages.
- SIGMET, for SIGMET messages.
- AIRMET
 - IFR, for IFR condition AIRMET messages.
 - MTN Obsc, for Mountain Obscuration AIRMET messages.
 - Icing, for Icing AIRMET messages.
 - Freezing Level, for Freezing Level AIRMET messages.
 - Turb Low, for low altitude turbulence AIRMET messages.
 - Turb High, for high altitude turbulence AIRMET messages.
 - Wnds>30 Kts, for significant surface wind AIRMET messages.
 - LLWS, for low level wind shear AIRMET messages.
 - Other, for all other AIRMET messages.
- UUA, for urgent PIREP messages.
- CWA, for Center Weather Advisories.
- Severe Weather, for Aviation Weather Watch and Public Weather Watch messages.

For the TFR tab, Conv SIG tab, SIGMET tab, AIRMET subtabs, CWA tab, Severe Weather tab, when the pilot switches to NextGen mode, only those weather polygons that intersect the route of flight will be displayed on the graphics pane. In Standard mode, pilots will see all polygons for that weather product, including those that do not intersect their route of flight.

ii. Current Weather

In NEXTGEN view, pilots have the ability to view groups of METARs and individual PIREP elements and their corresponding highlighted area in the graphic. METARs are grouped and summarized based on reported conditions along the route of flight.

In addition, pilots also have the ability to view smart plain-text translation of PIREPs and METARs.

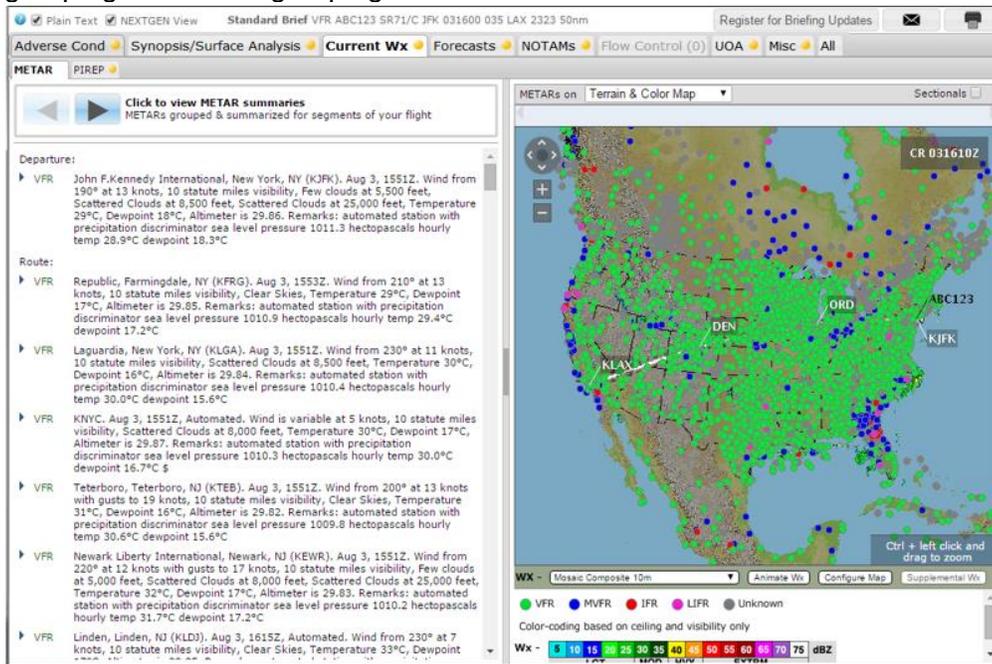
METAR

For the METAR tab color indicates general ceiling and visibility conditions described in the METAR

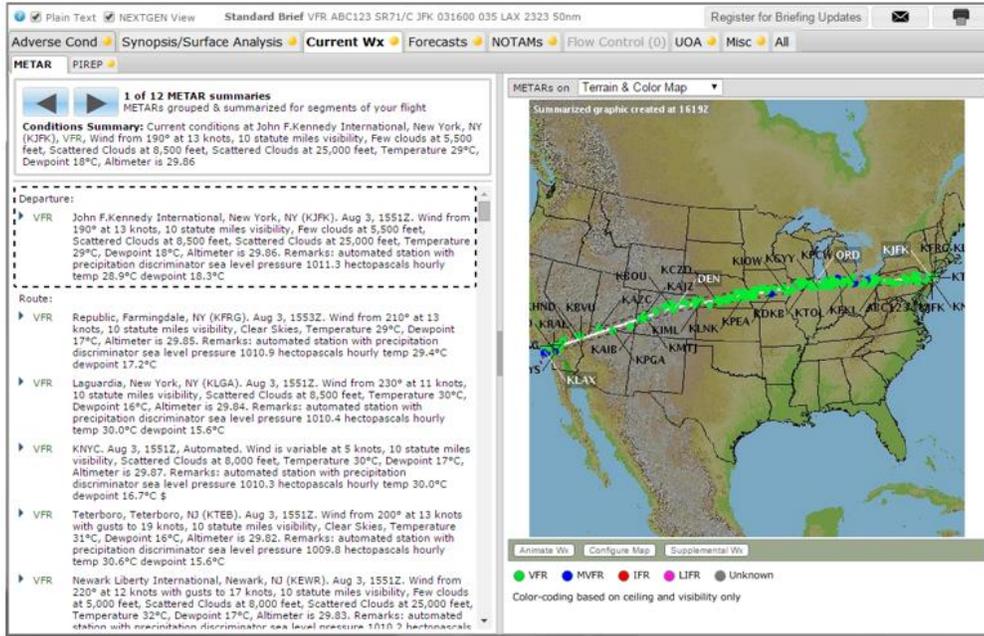
- VFR, MVFR, IFR, LIFR, or undetermined.

Overall Condition Color Indication		
Condition Block	Condition	Color
	VFR	Green
	MVFR	Blue
	IFR	Red
	LIFR	Magenta
	UNKN	Gray

The following screenshots depict the action of stepping through the METAR groupings. The first grouping is an overview of all METAR stations.

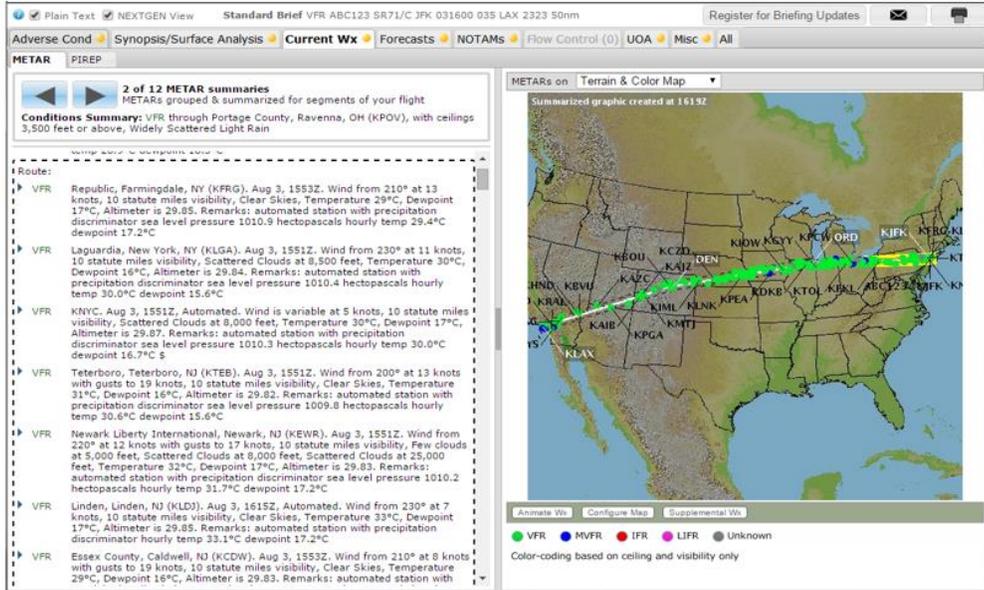


Departure area group:



Third page:

This page shows the METAR data along the route. If the High Altitude Briefing has been selected and the requested altitude is above the transition level (FL180), this section will not be included in the briefing.

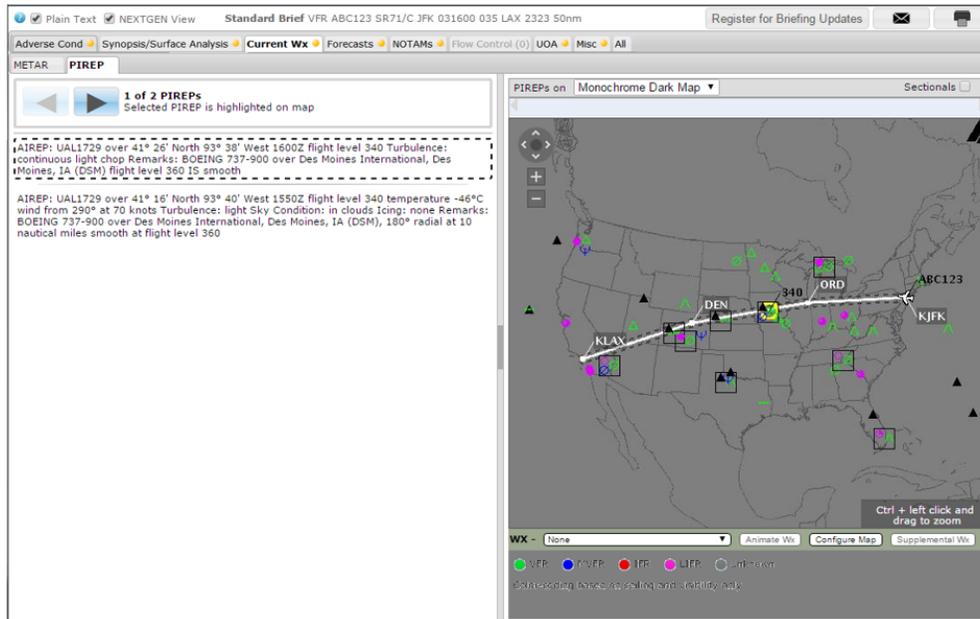


Pilots also have the ability to view the METAR text in plain-text translation by selecting the Plain Text checkbox.

PIREP

For the PIREP tab reported conditions are depicted using icons rather than polygons. The display includes a scrollable legend defining the conditions associated with these icons. In NEXTGEN view the pilot may step through each of

the PIREPs within their route corridor along their route of flight and see the location associated with the report highlighted on the graphic pane. Additionally, these reports may be translated to plain text using the Plain Text checkbox.



iii. Forecasts – Clouds

In NEXTGEN view pilots have the ability to step through the list of cloud coverage along the route of flight while at the same time view the cloud coverage chart in the graphic. The list of charts will be ordered by forecast times from earliest to latest and also ordered by the regions with the CONUS region at the bottom of the list.

There is also a “Help” link above the summary that links to a document provided by FAA that gives the user to additional information concerning graphical are forecast content.

If there are no charts associated with the flight plan, due to the route of flight or the planned flight time then “No current Cloud Coverage data for this briefing.” will be displayed in the text pane. When data is missing for a particular time or region, the selected chart will include “current data unavailable” in its text and will display “Image unavailable” within the graphics pane.

Plain Text NEXTGEN View Standard Brief VFR ICAO1 C172/A/A KJFK 232300 A095 KLAX 0200 50nm Register for Briefing Updates

Adverse Cond Synopsis/Surface Analysis Current Wx **Forecasts** NOTAMS Flow Control (0) UOA Misc All

Clouds Vis, Sfc Winds & Precip Terminal Forecast Winds Aloft Area Forecast

For FAA guidance on cloud coverage forecast charts, please click [here](#).

1 of 30 Cloud Coverage Charts

Details 1
 Cloud Coverage - Northeast 0000z

Details 2
 Cloud Coverage - Northeast 0300z

Details 3
 Cloud Coverage - Northeast 0600z

Details 4
 Cloud Coverage - Northeast 0900z

Details 5
 Cloud Coverage - Northeast 1200z

Details 6
 Cloud Coverage - Northcentral 0000z

Details 7
 Cloud Coverage - Northcentral 0300z

Details 8
 Cloud Coverage - Northcentral 0600z

Details 9
 Cloud Coverage - Northcentral 0900z

Adverse Cond Synopsis/Surface Analysis Current Wx **Forecasts** NOTAMS Flow Control (0) UOA Misc All

Clouds Vis, Sfc Winds & Precip Terminal Forecast Winds Aloft Area Forecast

For FAA guidance on cloud coverage forecast charts, please click [here](#).

26 of 30 Cloud Coverage Charts

Details 19
 Cloud Coverage - West 0900z

Details 20
 Cloud Coverage - West 1200z

Details 21
 Cloud Coverage - Southwest 0000z

Details 22
 Cloud Coverage - Southwest 0300z

Details 23
 Cloud Coverage - Southwest 0600z

Details 24
 Cloud Coverage - Southwest 0900z

Details 25
 Cloud Coverage - Southwest 1200z

Details 26
 Cloud Coverage - CONUS 0000z

Details 27
 Cloud Coverage - CONUS 0300z

Details 28

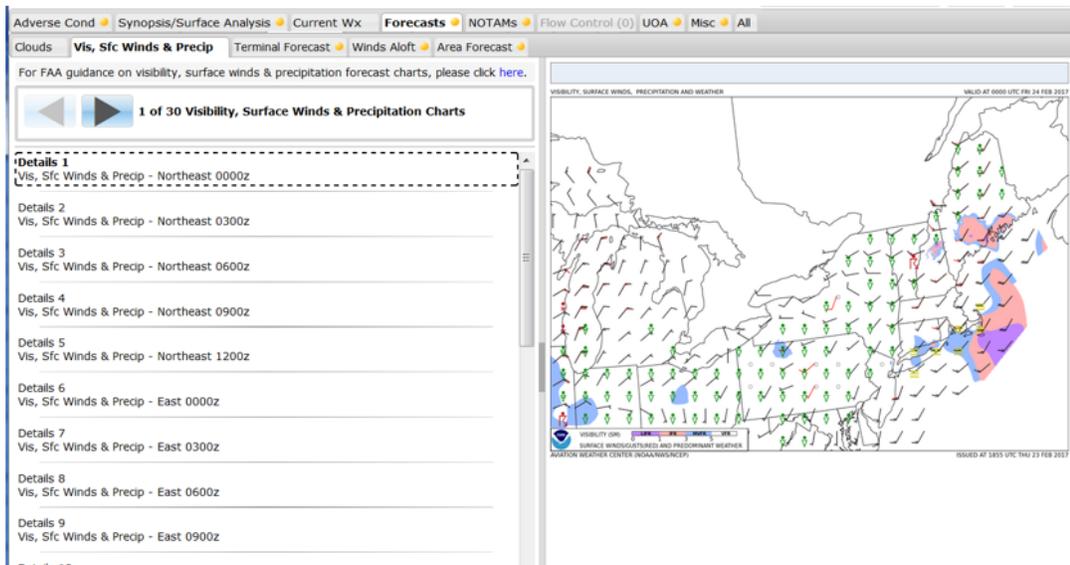
iv. Ccc
Sfkf

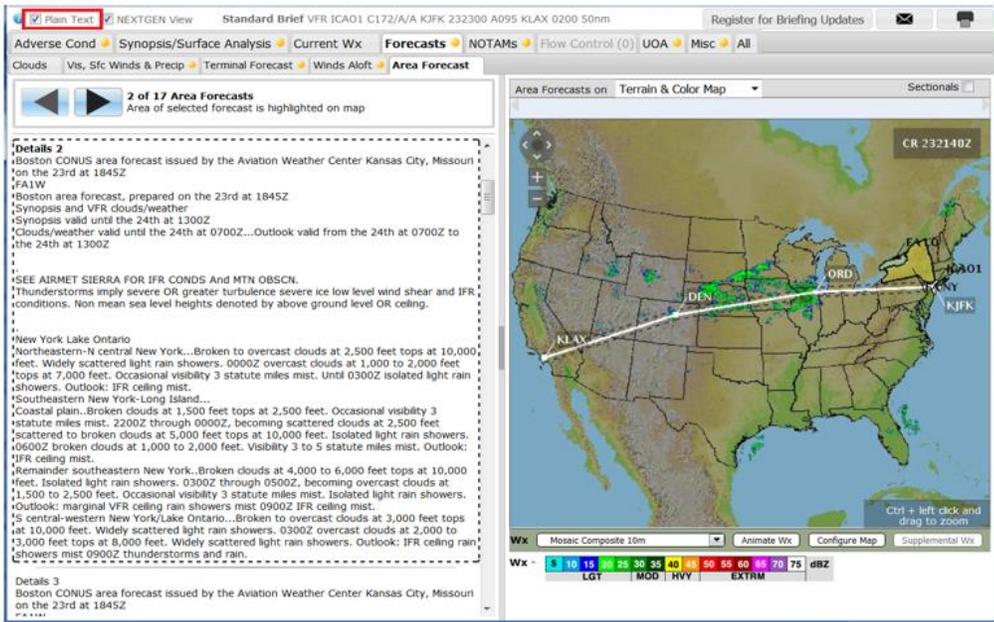
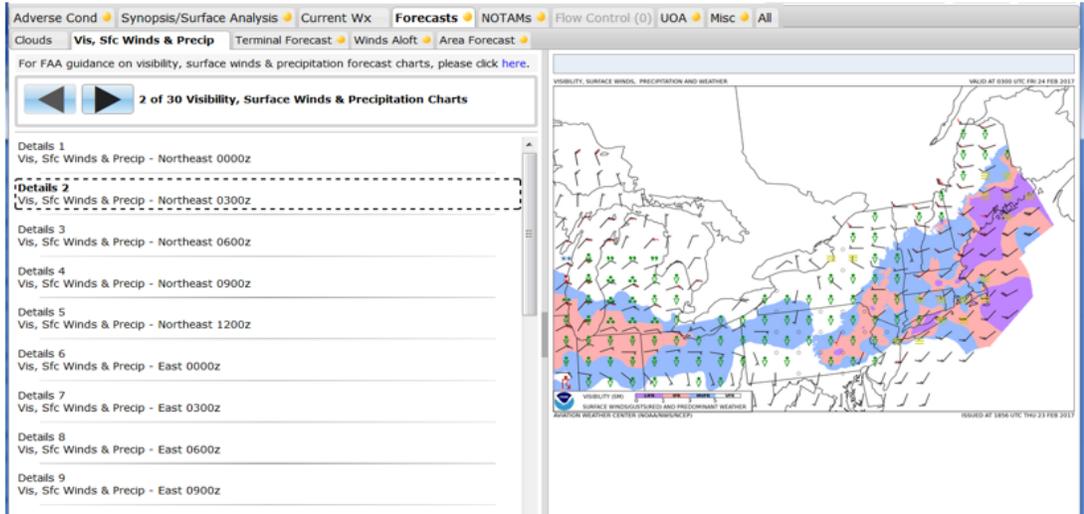
v. Forecasts – Vis, Sfc Winds & Precip

In NEXTGEN view pilots have the ability to step through the list of visibility, surface winds, precipitation and weather along the route of flight while at the same time view the visibility, surface winds, precipitation and weather chart in the graphic. The list of charts will be ordered by forecast times from earliest to latest and also ordered by the regions with the CONUS region at the bottom of the list.

There is also a “Help” link above the summary that links to a document provided by FAA that gives the user to additional information concerning graphical are forecast content.

If there are no charts associated with the flight plan, due to the route of flight or the planned flight time then “No current Visibility, Surface Winds, Precipitation & Weather data for this briefing.” will be displayed in the text pane. When data is missing for a particular time or region, the selected chart will include “current data unavailable” in its text and will display “Image unavailable” within the graphics pane.

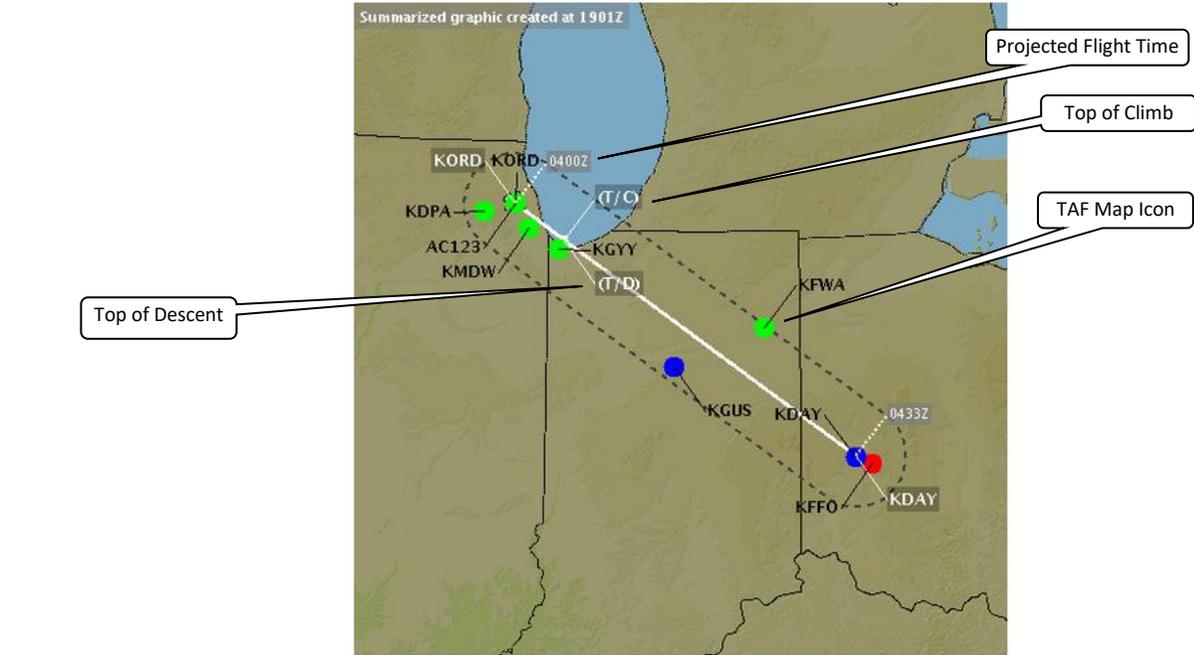




vi. Forecasts – Terminal Forecast

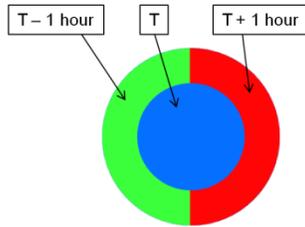
In NEXTGEN view pilots have the ability to view Time-based display of TAFs along the route of flight. Projected flight times are used to identify the applicable forecast periods of the TAF reports. The forecasted flight conditions are highlighted and displayed as color-coded icons in the graphics.

If the High Altitude Briefing has been selected and the requested altitude is above the transition level (FL180), TAF data along the route of flight will not be included in the briefing.



Passing Time	Winds	Flight Condition	Highlighted text	Full Text
1700Z	VFR	VFR	Seattle-Tacoma International, Seattle, WA (KSEA). Issued Aug 8, 1501Z, valid from Aug 8, 1501Z until Aug 9, 1900Z. Wind is variable at 4 knots, greater than 6 statute miles visibility, scattered clouds at 25,000 feet.	Boeing Field/King County International, Seattle, WA (KBFI). Issued Aug 8, 1132Z, valid from Aug 8, 1200Z until Aug 9, 1200Z. Wind is variable at 3 knots, greater than 6 statute miles visibility, Sky Clear.
60min --	VFR	VFR	Bremerton National, Bremerton, WA (KPW11). Issued Aug 8, 1132Z, valid from Aug 8, 1200Z until Aug 9, 1200Z. Wind is variable at 3 knots, greater than 6 statute miles visibility, Sky Clear.	Pangborn Memorial, Wenatchee, WA (KEAT). Issued Aug 8, 1130Z, valid from Aug 8, 1200Z until Aug 9, 1200Z. Wind from 330° at 6 knots, greater than 6 statute miles visibility, Sky Clear.
1700Z	VFR	VFR	Mchord Field Joint Base Lewis, Tacoma, WA (KTTCM). Issued Aug 8, 1304Z, valid from Aug 8, 1300Z until Aug 9, 1900Z. Wind is variable at 6 knots, greater than 9,000 meters visibility, Sky Clear, altimeter 29.81 inches.	Ephrata Municipal, Ephrata, WA (KEPH). TAF not available.
	VFR	VFR	Becoming between Aug 9, 0500Z and Aug 9, 0600Z, Wind from 240° at 9 knots, greater than 9,000 meters visibility, Sky Clear, altimeter 29.81 inches, forecast maximum temperature 34°C on Aug 8, 2300Z, forecast minimum temperature 13°C on Aug 8, 1300Z.	Grant County International, Moses Lake, WA (KMWHL). Issued Aug 8, 1130Z, valid from Aug 8, 1200Z until Aug 9, 1200Z. Wind from 350° at 5 knots, 6 statute miles visibility, Smoke and Haze, Sky Clear.
	VFR	VFR	Gray Army Airfield (Jnt Base Lewis-Mchd), Fort Lewis/Tacoma, WA (KGRF). Issued Aug 8, 1305Z, valid from Aug 8, 1300Z until Aug 9, 1900Z. Wind is variable at 6 knots, greater than 9,000 meters visibility, Sky Clear, altimeter 29.81 inches.	Fairchild Air Force Base, Spokane, WA (KSKA). Issued Aug 8, 1102Z, valid from Aug 8, 1100Z until Aug 9, 1700Z. Wind is variable at 6 knots, 9,000 meters visibility, Smoke, Few clouds at 500 feet, altimeter 29.90 inches, forecast maximum temperature 33°C on Aug 8, 2200Z, forecast minimum temperature 13°C on Aug 9, 1200Z.
	VFR	VFR	Becoming between Aug 9, 0500Z and Aug 9, 0600Z, Wind from 240° at 9 knots, greater than 9,000 meters visibility, Sky Clear, altimeter 29.81 inches, forecast maximum temperature 34°C on Aug 8, 2300Z, forecast minimum temperature 13°C on Aug 8, 1300Z.	Spokane International, Spokane, WA (KGGW). Amended Aug 8, 1611Z, valid from Aug 8, 1600Z until Aug 9, 1200Z. Wind is variable at 6 knots, 6 statute miles visibility, Smoke and Haze, Sky Clear.

- TAF nearest to Departure and within 5nm of Departure
- The Passing Time is calculated based on planned cruising speed adjusted for forecast winds.
- The Highlighted text indicates the TAF line(s) that are in effect during the projected Passing Time.
Note: if the flight passes a TAF station more than once, the range of passing times is used to determine the related TAF line(s), but only the earliest passing time is shown.
- The Offset Time indicates when the passing time is close to a different forecast line of the TAF message. The number indicates how many minutes earlier or later that TAF line is in effect relative to the passing time.
- The Flight Condition is determined for each line based on the reported Ceiling and Visibility.
- The Full Text contains the full text of the TAF message. The Ceiling and/or Visibility will be shown in bold when lower than VFR conditions.

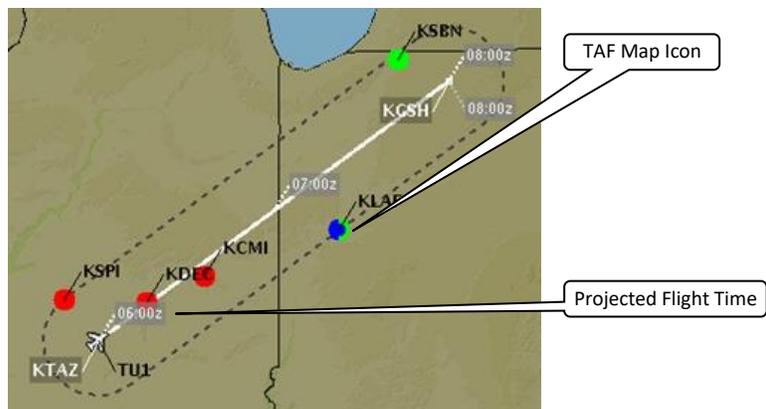


The TAF map icons are used to display the Flight Conditions related to the time the flight is projected to pass the TAF station. A buffer of 60 minutes before and after the passing time is used to include any nearby forecast period.

The icon is composed of three different regions: left, center, right. These different regions are used to symbolize “Passing Time - 1 hour”, “Passing Time”, and “Passing Time + 1 hour”, respectively. The three regions of a TAF icon will commonly be the same, resulting in a single-colored circle. However when forecasted conditions are changing within the hour around the passing time, the icon can have multiple colors.

If a TAF station is in the briefing that does not include passing times (example: an Area Brief or an Alternate airport outside of corridor), the icon will be displayed as a yellow square

Reference table Overall Condition Color Indication.



Pilots also have the ability to view the TAF text in plain-text translation by selecting the Plain Text checkbox.

Plain Text NEXTEGEN View Standard Brief VFR AD456 KSEA 081700 A095 KBOS 0600 50nm Register for Briefing Updates

Adverse Cond Synopsis/Surface Analysis Current Wx **Forecasts** NOTAMS Flow Control (0) UOA Misc All

Clouds Vis, Sfc Winds & Precip **Terminal Forecast** Winds Aloft Area Forecast (0)

Terminal Area Forecasts
Flight passes by the TAF forecast stations at the times in gray boxes shown below.

1700Z	VFR	Mchord Field Joint Base Lewis, Tacoma, WA (KTCM). Issued Aug 8, 1304Z, valid from Aug 8, 1300Z until Aug 9, 1900Z, Wind is variable at 6 knots, greater than 9,000 meters visibility, Sky Clear, altimeter 29.81 inches
	VFR	Becoming between Aug 9, 0500Z and Aug 9, 0600Z, Wind from 240° at 9 knots, greater than 9,000 meters visibility, Sky Clear, altimeter 29.81 inches, forecast maximum temperature 34°C on Aug 8, 2300Z, forecast minimum temperature 13°C on Aug 8, 1300Z.
1700Z	VFR	Gray Army Airfield (Jnt Base Lewis-Mcch), Fort Lewis/Tacoma, WA (KGRF). Issued Aug 8, 1305Z, valid from Aug 8, 1300Z until Aug 9, 1900Z, Wind is variable at 6 knots, greater than 9,000 meters visibility, Sky Clear, altimeter 29.81 inches
	VFR	Becoming between Aug 9, 0500Z and Aug 9, 0600Z, Wind from 240° at 9 knots, greater than 9,000 meters visibility, Sky Clear, altimeter 29.81 inches, forecast maximum temperature 34°C on Aug 8, 2300Z, forecast minimum temperature 13°C on Aug 8, 1300Z.
+60min →	VFR	Boeing Field/King County International, Seattle, WA (KBFI). Issued Aug 8, 1737Z, valid from Aug 8, 1800Z until Aug 9, 1800Z, Wind from 310° at 5 knots, greater than 6 statute miles visibility, Scattered Clouds at 10,000 feet, Scattered Clouds at 25,000 feet
	VFR	From Aug 9, 1000Z, Wind is Calm, greater than 6 statute miles visibility, Scattered Clouds at 10,000 feet.
+28min →	MVFR	Pangborn Memorial, Wenatchee, WA (KEAT). Issued Aug 8, 1720Z, valid from Aug 8, 1800Z until Aug 9, 1800Z, Wind from 130° at 5 knots, 5 statute miles visibility , Smoke and Haze, Sky Clear
	VFR	From Aug 9, 0400Z, Wind from 320° at 6 knots, 6 statute miles visibility, Smoke and Haze, Sky Clear
	VFR	From Aug 9, 1700Z, Wind from 130° at 5 knots, 6 statute miles visibility, Smoke and Haze, Sky Clear.
	UNKN	Ephrata Municipal, Ephrata, WA (KEPH). TAF not available.
+21min →	MVFR	Grant County International, Moses Lake, WA (KMWH). Issued Aug 8, 1720Z, valid from Aug 8, 1800Z until Aug 9, 1800Z, Wind from 040° at 5 knots, 5 statute miles visibility , Smoke and Haze, Sky Clear
	VFR	From Aug 8, 2100Z, Wind from 200° at 7 knots, 6 statute miles

Terminal Area Forecasts on Terrain & Color Map

Summarized graphic created at 1858Z

Animate Wx Configure Map Supplemental Wx

● VFR ● MVFR ● IFR ● LIFR ● Unknown

Color-coding based on ceiling and visibility only

Passing Time
-1 hour +1 hour

vii. Forecasts – Area Forecast

In NEXTEGEN view pilots have the ability to step through State Based Area Forecasts along the route of flight while at the same time view the highlighted area of the displayed state in the graphic.

Based on the route corridor, the number of available elements will be listed in the top bar with the   buttons. Click on the buttons to view only the states and regions that are within the route corridor of the flight plan while at the same time view the corresponding highlighted region in the graphic.

Plain Text NEXTGEN View Standard Brief VFR ICAO1 C172/A/A KJFK 232300 A095 KLAX 0200 50nm Register for Briefing Updates

Adverse Cond Synopsis/Surface Analysis Current Wx **Forecasts** NOTAMS Flow Control (0) UOA Misc All

Clouds Vis, Sfc Winds & Precip Terminal Forecast Winds Aloft **Area Forecast**

1 of 17 Area Forecasts
Area of selected forecast is highlighted on map

Details 1
FAUS41 KKCI 231845
FA1W
BOSC FA 231845
SYNOPSIS AND VFR CLDS/WX
SYNOPSIS VALID UNTIL 241300
CLDS/WX VALID UNTIL 240700...OTLK VALID 240700-241300
ME NH VT MA RI CT NY NJ PA OH LE WV MD DC DE VA AND CSTL WTRS
CSTL WTRS
N OF CYN...BKN010 TOP 025. VIS 3-5SM BR. WND SW 20G30KT THRUT.
03Z S OF HTO BKN020 TOP 035. OCNL VIS 3SM BR. OTLK...S OF HTO
MVFR CIG BR WND ELSW IFR CIG BR WND.
CYN SWD...
HRSHORE. BKN080-100 TOP 140 BKN CL. 23Z SCT-BKN100.
04Z BKN-SCT025 TOP 050. OCNL VIS 3SM BR. OTLK...MVFR CIG BR.
OFFSHORE..BKN030 TOP 100 BKN CL. OTLK...MVFR CIG 09Z VFR.

Details 2
FAUS41 KKCI 231845
FA1W
BOSC FA 231845
SYNOPSIS AND VFR CLDS/WX
SYNOPSIS VALID UNTIL 241300
CLDS/WX VALID UNTIL 240700...OTLK VALID 240700-241300
SEE AIRMET SIERRA FOR IFR CONDS AND MTN OBSCN.
TS IMPLY SEV OR GTR TURB SEV ICE LLWS AND IFR CONDS.
NON MSL HGTS DENOTED BY AGL OR CIG.

NY LO
NERN-N CNTRL NY...BKN-OVC025 TOP 100. WDLY SCT -SHRA.
00Z OVC010-020 TOP 070. OCNL VIS 3SM BR. TIL 03Z ISOL -SHRA.
OTLK...IFR CIG BR.
SERN NY-LONG ISLAND...
CSTL PLAIN..BKN015 TOP 025. OCNL VIS 3SM BR. BECMG 2200 SCT025
SCT-BKN050 TOP 100. ISOL -SHRA. 06Z BKN010-020. VIS 3-5SM BR.
OTLK...IFR CIG BR.
RMNDR SERN NY...BKN040-060 TOP 100. ISOL -SHRA. BECMG 0305
OVC015-025. OCNL VIS 3SM BR. ISOL -SHRA. OTLK...MVFR CIG SHRA BR

Wx - Mosaic Composite 10m Animate Wx Configure Map Supplemental Wx
Wx - 10 15 20 25 30 35 40 45 50 55 60 65 70 75 dBZ
LGT MOD HVY EXTRM

Plain Text NEXTGEN View Standard Brief VFR ICAO1 C172/A/A KJFK 232300 A095 KLAX 0200 50nm Register for Briefing Updates

Adverse Cond Synopsis/Surface Analysis Current Wx **Forecasts** NOTAMS Flow Control (0) UOA Misc All

Clouds Vis, Sfc Winds & Precip Terminal Forecast Winds Aloft **Area Forecast**

2 of 17 Area Forecasts
Area of selected forecast is highlighted on map

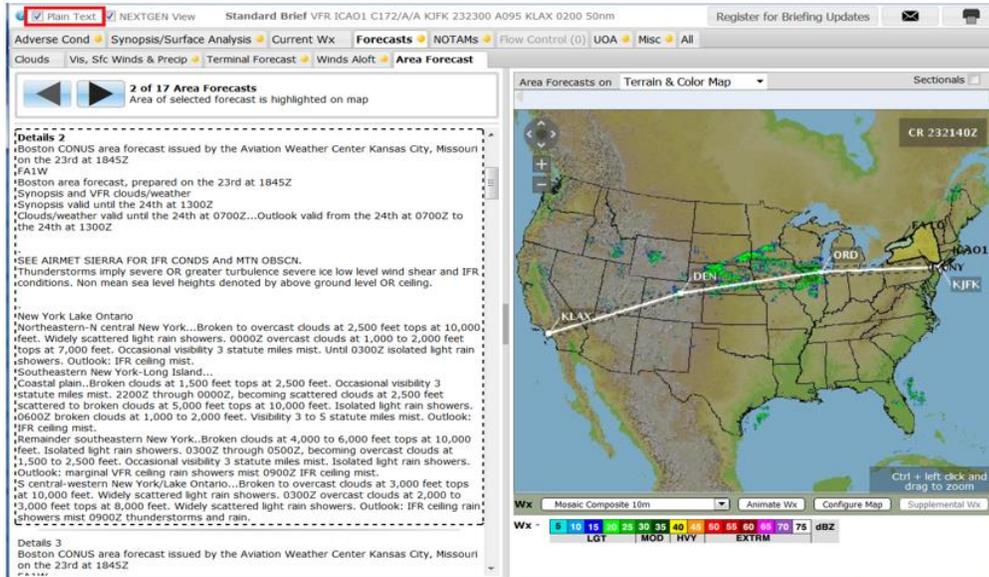
Details 2
FAUS41 KKCI 231845
FA1W
BOSC FA 231845
SYNOPSIS AND VFR CLDS/WX
SYNOPSIS VALID UNTIL 241300
CLDS/WX VALID UNTIL 240700...OTLK VALID 240700-241300
SEE AIRMET SIERRA FOR IFR CONDS AND MTN OBSCN.
TS IMPLY SEV OR GTR TURB SEV ICE LLWS AND IFR CONDS.
NON MSL HGTS DENOTED BY AGL OR CIG.

NY LO
NERN-N CNTRL NY...BKN-OVC025 TOP 100. WDLY SCT -SHRA.
00Z OVC010-020 TOP 070. OCNL VIS 3SM BR. TIL 03Z ISOL -SHRA.
OTLK...IFR CIG BR.
SERN NY-LONG ISLAND...
CSTL PLAIN..BKN015 TOP 025. OCNL VIS 3SM BR. BECMG 2200 SCT025
SCT-BKN050 TOP 100. ISOL -SHRA. 06Z BKN010-020. VIS 3-5SM BR.
OTLK...IFR CIG BR.
RMNDR SERN NY...BKN040-060 TOP 100. ISOL -SHRA. BECMG 0305
OVC015-025. OCNL VIS 3SM BR. ISOL -SHRA. OTLK...MVFR CIG SHRA BR
09Z IFR CIG BR.
IS CNTRL-WRN NY/LO...BKN-OVC030 TOP 100. WDLY SCT -SHRA.
03Z OVC020-030 TOP 080. WDLY SCT -SHRA. OTLK...IFR CIG SHRA BR
09Z TSRA.

Details 3
FAUS41 KKCI 231845
FA1W
BOSC FA 231845
SYNOPSIS AND VFR CLDS/WX
SYNOPSIS VALID UNTIL 241300
CLDS/WX VALID UNTIL 240700...OTLK VALID 240700-241300
MA RI CT
SERN MA/SRN RI/SRN CT...BKN010-020 TOP 030. OCNL VIS 3SM BR.
03Z BKN-OVC010. VIS 3SM BR. OTLK...IFR CIG BR.
RMNDR...SCT060 SCT CL. 04Z BKN-SCT040 TOP 100. OCNL VIS 3SM BR.
ISOL -SHRA. OTLK...MVFR CIG SHRA BR. 09Z TSRA.

Wx - Mosaic Composite 10m Animate Wx Configure Map Supplemental Wx
Wx - 10 15 20 25 30 35 40 45 50 55 60 65 70 75 dBZ
LGT MOD HVY EXTRM

Pilots also have the ability to view the text in plain-text translation by selecting the Plain Text checkbox.



viii. Winds Aloft

In NEXTGEN view pilots have the ability to step through a combination of an altitude and a forecast period while at the same time view the highlighted data with wind barbs in the graphic.

When the tab is first opened, the default selection shows the briefed Altitude and the Forecast Period that contains the ETD highlighted in blue. If the briefed Altitude is outside the minimum or maximum Winds Aloft data altitude (e.g. less than A010 or greater than F530), then the default is either the first or last column respectively.

Altitudes within 4000 feet

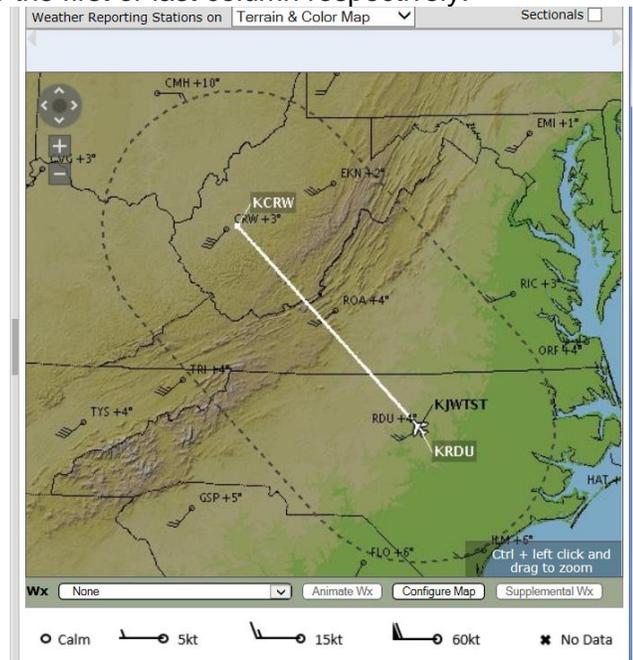
Altitude

Station ID	060 Filed-4k	080 Filed-2k	090	100 Filed	120 Filed+2k
160100Z 2100-0400Z					
RDU	230018+09	236022+05	240025+04	243026+02	250029-01
CRW	230039+09	223039+05	220040+03	223043+01	230049-03
ROA	230022+10	230025+06	230027+04	233028+02	240032-02
EKN	230029+08	236033+04	240036+02	240038+00	240043-03
160700Z 0400-1300Z					
RDU	210028+10	223032+07	230034+06	230033+04	230033+00
CRW	240054+09	240046+05	240042+04	236043+02	230047-02
ROA	220043+10	226041+06	230040+05	233041+03	240043-01
EKN	220045+09	226041+05	230040+03	233042+01	240046-02
161900Z 1300-0100Z					
RDU	280033+09	273035+04	270037+02	266036+00	260034-03
CRW	290029+00	290030+00	290031-01	290031-02	290032-05
ROA	270043+05	263041+02	260040+01	256039+00	250039-03
EKN	260042+01	260040+00	260039-01	260040-02	260042-04

Forecast Period

270023+18

Heading — Temperature (°C)
Speed (knots)



Click on the up and down arrow buttons to change the selected Forecast Period and click on the left and right arrow buttons to change the selected Altitude. If

necessary, the table is scrolled to view the newly highlighted section. If the selected Altitude is not the briefed Altitude, the column header for the briefed Altitude is highlighted in green. If the scroll bars are used to display table data not currently visible, the selected Altitude and Forecast Period are not changed. If the current Altitude selection is not within 4000 feet and the “Altitudes within 4000 feet” is checked, then the view returns to the default selection. If another tab is selected and then the Winds Aloft tab is reselected, the previous selected data is displayed.

When the arrow buttons change either the selected Altitude or Forecast Period, the graphics pane updates to match the current selections. If the Winds Aloft data is updated by NWS National Centers for Environmental Prediction (NCEP) after the briefing is requested, the graphic pane displays the latest Winds Aloft data. The table data remains static for the briefing and therefore may not match the graphics pane. The table scroll bars do not change the graphics pane data displayed.

k. Locations Briefing

Locations Briefing allows users to submit a single form to request Area Briefings for up to 10 different locations. The Locations Briefing form can be reached by selecting the option in the Flight Planning & Briefing menu.



i. Requesting a Locations Briefing

The following form is displayed when the Locations Briefing option is selected from the Flight Planning & Briefing menu.

Locations Briefing				
Aircraft ID <input type="text"/>	Departure Date & Time MM/DD/YYYY HHMM EST 1-120 <input type="button" value="Apply Minutes From Now"/>		Optional Standard Brief Products <input checked="" type="checkbox"/> Flow Control Messages <input checked="" type="checkbox"/> NHC Bulletins <input checked="" type="checkbox"/> Non-Location FDC NOTAMs <input checked="" type="checkbox"/> State Department NOTAMs <input checked="" type="checkbox"/> Military NOTAMs	
Location 1 <input type="text"/>	Location 2 (Optional) <input type="text"/>	Location 3 (Optional) <input type="text"/>	Location 4 (Optional) <input type="text"/>	Location 5 (Optional) <input type="text"/>
Location 6 (Optional) <input type="text"/>	Location 7 (Optional) <input type="text"/>	Location 8 (Optional) <input type="text"/>	Location 9 (Optional) <input type="text"/>	Location 10 (Optional) <input type="text"/>
<input type="button" value="Standard Brief"/>	<input type="button" value="Outlook Brief"/>	<input type="button" value="Abbreviated Brief"/>	<input type="button" value="Clear"/>	

The Aircraft ID defaults to the user's primary aircraft if available, and any secondary or shared aircraft is available by selecting the dropdown arrow next to the input field.

Aircraft ID, Departure Date & Time, and Location 1 are required for a Locations Briefing; all other Locations are optional.

The Optional Standard Brief Products are additional product information that may be selected to be included in the Standard Briefing.

The following table shows the information users must provide to successfully request a Locations Briefing. This data is also available by hovering and/or clicking the field labels on the Locations Briefing form.

Field Name	Valid Form Data
Aircraft ID	2-7 letters/numbers, beginning with a letter Example: N1234F6
Departure Date & Time	MM/DD/YYYY HHMM Examples: 01/05/2015 1600 Departure Date & Time must be no more than 2 hours in the past or 27 days in the future. Note: Both date and time can be automatically populated by an Apply Minutes From Now action.
Location (1-10)	Only Location 1 is required; all others are optional. Users must provide either: Airport, Heliport, NAVAID, Waypoint Identifier 3-5 letters/numbers, will default to Airport if the identifier applies to more than one type. Examples: JFK, KSEA, 9OI5 Use the  icon next to each Location input field to search for valid identifiers. Refer to the Departure/Destination/Alternates section under Domestic Flight Plan Form for more information. Latitude/Longitude Coordinates Must be in the format aabb(A)(/)(c)ccdd(B), where parentheses denote optional characters. aa is degrees latitude (00-90) bb is minutes latitude (00-59) (c)cc is degrees longitude (00-180) dd is minutes longitude (00-59) (A) is either N or S (North or South, default to N if not provided) (B) is either W or E (West or East, default to W if not provided) Examples: 44497322, 4449N7322W, 4449N/7322W Fix-Radial-Distance Must be in the format (A)(A)(A)AAaaabbb, where parentheses denote optional characters. (A)(A)(A)AA is an Airport, Heliport, NAVAID, or Waypoint Identifier (2-5 letters/numbers) aaa is radial measure in degrees from North (001-360) bbb is distance in nautical miles (001-999) Example: HGR001024

After completing the form, users can request the Locations Briefing by clicking the Standard Brief, Outlook Brief, or Abbreviated Brief button.

a. Standard Locations Briefing

The Standard Brief option will return a Locations Briefing containing all of the standard briefing information for each location requested along with any optional parameters selected by the user. Reference **Briefing Tabs** for more information on each of the briefing sections that will be included in the Standard Locations Briefing.

b. Outlook Locations Briefing

The Outlook Brief option will return a Locations Briefing containing only the following briefing sections for each location requested:

- Temporary Flight Restrictions
- Closed/Unsafe NOTAMs
- Convective SIGMET
- SIGMET
- IFR
- Mountain Obscuration
- Icing
- Freezing Level
- Turbulence Low Altitude
- Turbulence High Altitude
- Winds over 30 Knots
- Low Level Wind Shear
- Other (AIRMET)
- Urgent Pilot Report
- Center Weather Advisory
- Severe Weather
- Synopsis/Surface Analysis
- Clouds
- Vis, Sfc Winds & Precip
- Area Forecast
- Terminal Forecast

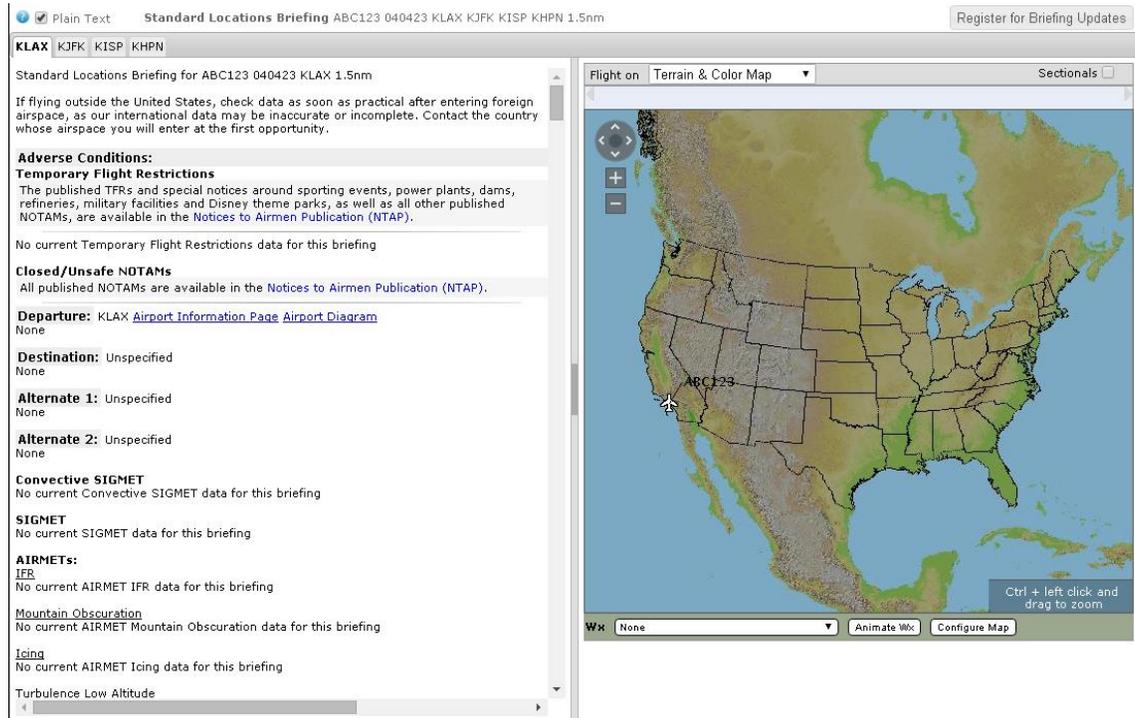
Reference Briefing Tabs for more information on each of these briefing sections.

c. Abbreviated Locations Briefing

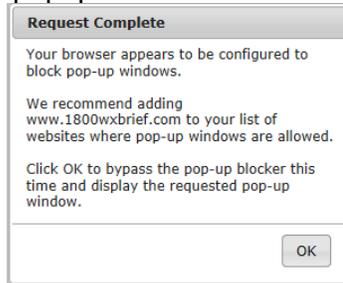
The Abbreviated Brief option will present a popup dialog allowing the user to choose which briefing sections to include in the request. Adverse Conditions are always pre-selected by default. Reference **Briefing Tabs** for more information on each of the available briefing sections.

ii. **Reading the Locations Briefing**

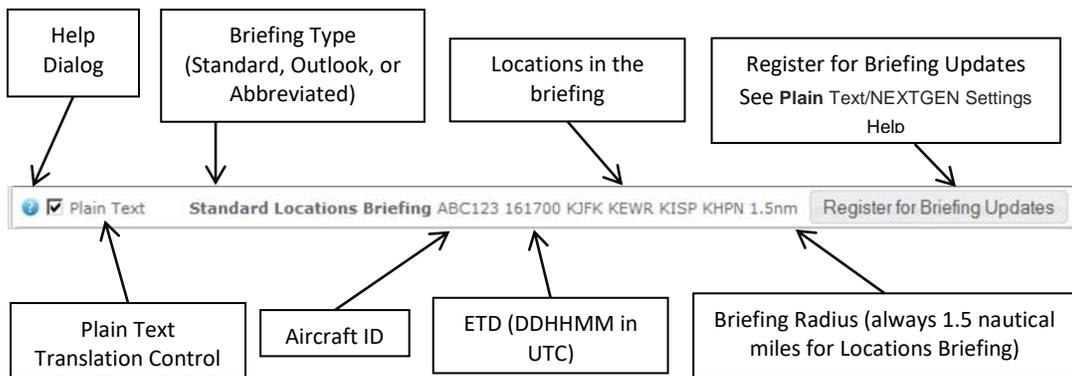
The Locations Briefing will return in a separate browser window or tab, depending on browser settings.



If your browser is configured to block popups and 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 to your list of websites where popups are allowed.



The briefing header contains a summary of the request information used to generate the Locations Briefing, as well as additional options to the right.



For each location in the briefing, the full textual briefing content for that location will appear on a single tab, labeled by the location identifier. This is similar to the “ALL” tab in Area Briefings.

The **Plain Text** option allows users to read data in some of the briefing sections in plain text.

Reference Briefing Tabs for more information on each of the available briefing sections.

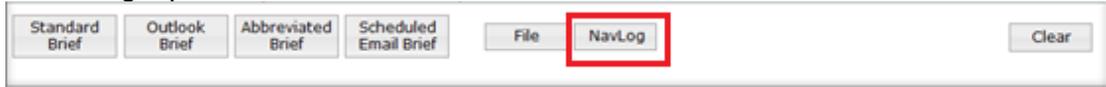
The briefing graphics pane is provided similar to standard area briefings. The default state of the graphics pane is similar to that of the “ALL” tab on area briefings. Reference Briefing Graphics Pane for more information on the default state and the options available for customizing the graphics pane.

8.3. 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. It can be printed and used in the cockpit for reference by the pilot during the flight.

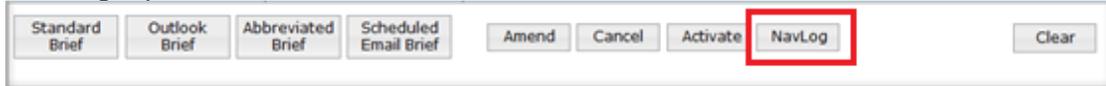
The NavLog button is available on the Flight Plan form.

- Before flight plan is filed.



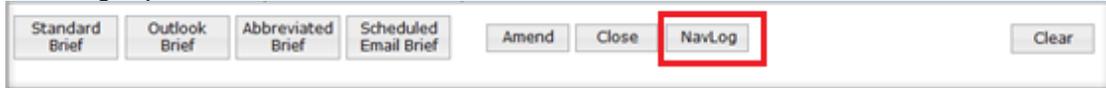
A screenshot of a software interface showing a row of buttons: 'Standard Brief', 'Outlook Brief', 'Abbreviated Brief', 'Scheduled Email Brief', 'File', 'NavLog', and 'Clear'. The 'NavLog' button is highlighted with a red rectangular box.

- After flight plan has been filed.



A screenshot of a software interface showing a row of buttons: 'Standard Brief', 'Outlook Brief', 'Abbreviated Brief', 'Scheduled Email Brief', 'Amend', 'Cancel', 'Activate', 'NavLog', and 'Clear'. The 'NavLog' button is highlighted with a red rectangular box.

- After flight plan has been activated.

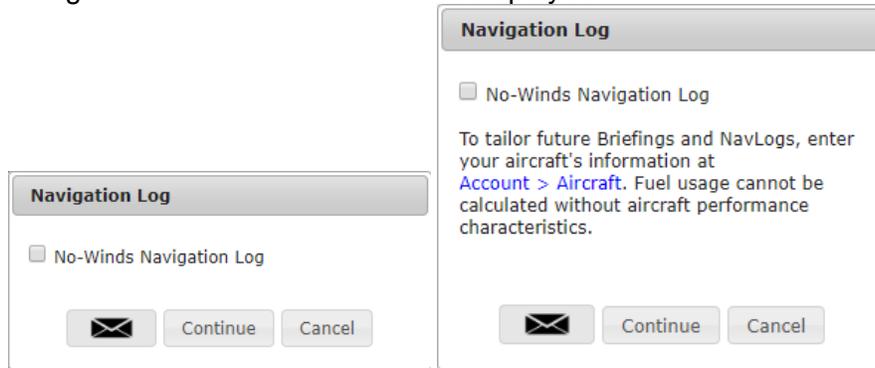


A screenshot of a software interface showing a row of buttons: 'Standard Brief', 'Outlook Brief', 'Abbreviated Brief', 'Scheduled Email Brief', 'Amend', 'Close', 'NavLog', and 'Clear'. The 'NavLog' button is highlighted with a red rectangular box.

When the NavLog button is clicked, the Navigation Log Selection dialog box is displayed with the various options to format the Navigation Log Results Page.

a. Navigation Log Dialog

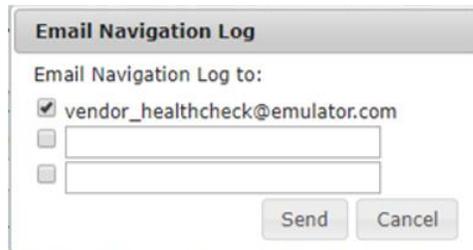
The “Navigation Log” displays an option to select a Navigation Log without using winds aloft data. If the user’s aircraft does not contain performance data, a message stating that fuel usage cannot be calculated will be displayed.



Two screenshots of a dialog box titled 'Navigation Log'. The left screenshot shows a checkbox labeled 'No-Winds Navigation Log' which is checked. Below it are buttons for 'Continue' and 'Cancel', and an envelope icon. The right screenshot shows the same dialog box but with a message: 'To tailor future Briefings and NavLogs, enter your aircraft's information at [Account > Aircraft](#). Fuel usage cannot be calculated without aircraft performance characteristics.' Below the message are buttons for 'Continue' and 'Cancel', and an envelope icon.

- i. Email

If the user clicks on the email button, an Email Navigation Log dialog results. This contains email addresses that the Navlog can be sent to.



A screenshot of a dialog box titled 'Email Navigation Log'. It contains the text 'Email Navigation Log to:' followed by a list of email addresses. The first address, 'vendor_healthcheck@emulator.com', is checked with a checkbox. Below it are two empty input fields for additional email addresses. At the bottom are buttons for 'Send' and 'Cancel'.

- ii. Continue

If the user clicks on the Continue 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.

iii. Cancel

If the user clicks on the Cancel button, the system closes the Navigation Log Dialog and no Navigation Log is generated.

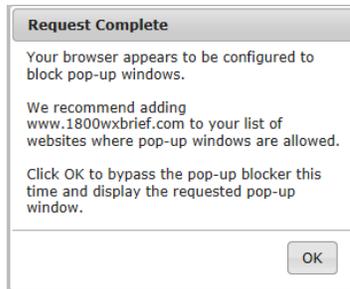
iv. No-Winds Navigation Log

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.

b. Popups Disabled

If your browser is configured to block popups and 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 to your list of websites where popups are allowed.



c. Navigation Log Results Page

The Navigation Log Results page is compiled using Aircraft Performance data from the Aircraft tab in Account page, navigation data (Route of flight) and weather data (winds and temperature aloft, forecast or actual).

If a Navigation Log is requested and the performance data for the aircraft is incomplete or nonexistent, then a Navigation Log Results page is generated with limited information, for example fuel burn cannot be determined.

i. Navigation Log with Performance Data

If the Navigation Log is generated with available Performance Data, then the Fuel Burn is calculated.

NavLog for AC01 www.1800wxbrief.com

ATIS/AWOS/ASOS:		Cleared to:	
UNICOM:		Depart:	
Clearance Del:			
Ground:		Altitude:	
Tower:		Dep Frg/Squawk: /	
Departure:			

KLAX EHF CQZ LIN KSEA

ATD	ETE	ETA	Total Distance	Fuel Required	Fuel Available
	03:32		845 nm	86.2 gal	

Fix	Morse Code	Wind	MH	Leg	ETE	Alt (ft)	Leg Fuel
	Freq	Temp	MC	Rem	ATE	GS (kt)	Total
				(nm)			(gal)
KLAX			282/009				
33°56.5' / -118°24.5'			017	122	98	00:24	100
				328	747		18.0
EHF - Shafter	.....		254/015				
35°29.1' / -119°05.8'	115.4		012	122	91	00:22	4900
				325	656		25.3
CQZ - Clovis	.....		244/029				
36°53.1' / -119°48.9'	112.9		002	135	91	00:23	9300
				309	565		32.8
LIN - Linden	.....		239/038				
38°04.5' / -121°00.2'	114.8		-005	102	565	02:23	13900
				341	0		53.4
KSEA			158/003				
47°27.0' / -122°18.7'			014				86.2

ATIS/AWOS/ASOS:

Approach:

UNICOM:

Tower:

Ground:

Notes

ii. Navigation Log with No Performance Data

The Fuel Burn will not be calculated if the Navigation Log is generated with no Performance Data.

NavLog for AC02 www.1800wxbrief.com

ATIS/AWOS/ASOS:		Cleared to:	
UNICOM:		Depart:	
Clearance Del:			
Ground:		Altitude:	
Tower:		Dep Frg/Squawk: /	
Departure:			

KLAX EHF CQZ LIN KSEA

ATD	ETE	ETA	Total Distance	Fuel Required	Fuel Available
	07:41		845 nm	86.2 gal	

Fix	Morse Code	Wind	MH	Leg	ETE	Alt (ft)	Leg Fuel
	Freq	Temp	MC	Rem	ATE	GS (kt)	Total
				(nm)			(gal)
KLAX			284/009				
33°56.5' / -118°24.5'			018	120	98	01:01	100
				328	747		97
EHF - Shafter	.....		242/043				
35°29.1' / -119°05.8'	115.4		000	108	91	00:53	14500
				325	656		107
CQZ - Clovis	.....		240/040				
36°53.1' / -119°48.9'	112.9		-001	120	91	00:56	14500
				309	565		98
LIN - Linden	.....		240/034				
38°04.5' / -121°00.2'	114.8		-006	099	565	04:53	14500
				341	0		116
KSEA			158/003				
47°27.0' / -122°18.7'			014				

ATIS/AWOS/ASOS:

Approach:

UNICOM:

Tower:

Ground:

Notes

iii. Performance Data Availability

Performance Data is available for the Navigation Log if the Performance Characteristics data for the Aircraft ID is entered in the Aircraft tab in Account page.

Aircraft Performance ?		
Fuel Unit:	Gallons	Startup/Taxi Fuel Burn: 10.0
Climb Performance		
Airspeed(kt)	Fuel Burn Rate (gal/hr)	Climb Rate (ft/min)
235	10	800
Cruise Performance		
Fuel Burn Rate (gal/hr)		
245		
Descent Performance		
Airspeed(kt)	Fuel Burn Rate (gal/hr)	Descent Rate (ft/min)
255	8	900

User must have valid entries for all of the following fields:

- Startup/Taxi Fuel Burn
- Climb Performance
 - Airspeed, Fuel Burn Rate, Climb Rate
- Cruise Performance
 - Fuel Burn Rate
- Descent Performance
 - Airspeed, Fuel Burn Rate, Descent Rate

The Navigation Log and Route Brief (Standard, Outlook, or Abbreviated) will be generated without Performance Data if the above information is not entered.

iv. 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
Summary – Displays a summary of the planned flight			
Aircraft: Est Date/Time: Actual Date/Time: Departure: Destination: Route: Proposed Altitude:	TEST222 01/28/2014 0400 UTC KLAX KORD DAG EED J6 DRK J96 IRK BENKY2 10500 ft	Total Distance: Total Time Enroute: Total Fuel Consumption: *First leg includes startup/taxi Fuel	1,566 nm 14:20 1,532.9 Liters
Aircraft	Flight Plan – Aircraft ID field	Per Flight Plan page	N/A
Est Date/Time	Proposed Flight Plan – Proposed Departure Date and Proposed Departure Time fields	Per Flight Plan page in UTC time	N/A
Actual Date/Time	Active Flight Plan – Actual Departure Date and Actual Departure Time	Per Flight Plan page in UTC time	N/A (For Pilot's note)
Departure	Flight Plan – Departure Point field	Per Flight Plan page	N/A
Destination	Flight Plan – Destination field	Per Flight Plan page	N/A
Route	Flight Plan – Route field	Per Flight Plan page	N/A
Proposed Altitude	Flight Plan – Altitude field	Per Flight Plan page	N/A
Total Distance	Total flight distance	NNNNN, feet	N/A
Total Time Enroute	Total flight time for this flight	HHMM	N/A
Total Fuel Consumption	Total fuel used for this flight	In fuel units specified in the aircraft performance data	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
Departure Information – Contains a series of labels which are used by the pilot to write in frequencies and other departure information.			

Navigation Log Results Page Description

Field	Description	Format	Conditional Appearance
Weather:			
ATIS:			
Clearance Delivery:			
CTAF:			
Ground:			
Tower:			
Departure:			
Clearance:			
Weather	<i>For Pilot's note</i>		
ATIS	<i>For Pilot's note</i>		
Clearance Delivery	<i>For Pilot's note</i>		
CTAF	<i>For Pilot's note</i>		
Ground	<i>For Pilot's note</i>		
Tower	<i>For Pilot's note</i>		
Departure	<i>For Pilot's note</i>		
Clearance	<i>For Pilot's note</i>		

Navigation Information – Contains the following information:

Fix Name Lat/Long	Morse Id Freq	Wind (deg/kt) Temp (Celsius)	MH MC	Altitude (ft) Route	Leg (nm) Remaining (nm)	Est GS (kt)	Leg Tot	Leg Fuel (lb) Total (lb)	Notes
KLAX 33°56.5' / -118°24.4'		278/007 034	042	100	98	306	00 : 19	200.0 + 4.8	
KDAG 34°51.2' / -116°47.2'		278/009 028	043	Direct	1,470		00 : 19	204.8	
KEED 34°45.9' / -114°37.3'		292/014 024	079	2200	108	313	00 : 21	5.2	
EED - Needles 34°45.9' / -114°28.4'		292/014 115.2	080	Direct	1,362		00 : 40	210.0	
CHILY 34°42.8' / -112°45.7'		292/014 023	073	4500	8	312	00 : 02	0.4	
DRK - Drake 34°42.1' / -112°28.8'		302/016 114.1	074	J6	1,354		00 : 42	210.4	
KEYKE 34°56.9' / -111°23.2'		302/016 018	077	4700	95	313	00 : 16	4.1	
Top of Climb 35°20.8' / -109°30.3'		282/008 011	079	J6	1,269		00 : 58	214.5	
GUP - Gallup 35°28.5' / -108°52.3'		302/016 115.1	078	8500	14	313	00 : 03	0.7	
CIM - Cimarron 36°29.4' / -104°52.3'		302/016 017	078	Direct	1,255		01 : 01	215.2	
GCK - Garden Cit 37°55.1' / -100°43.5'		298/010 015	081	8800	56	307	00 : 11	2.7	
SLN - Salina 38°55.5' / -97°37.2'		298/010 001	082	J96	1,199		01 : 12	217.9	
Top of Descent 39°27.3' / -95°32.6'		282/008 001	080	8000	96	307	00 : 18	4.8	
AGENT 39°36.6' / -94°54.3'		282/008 011	081	Direct	1,103		01 : 30	222.5	
KIDER 39°46.8' / -94°10.7'		288/013 115.1	059	10000	32	312	00 : 06	1.0	
IRK - Kirksville 40°08.1' / -92°35.5'		218/005 116.4	060	J96	1,071		01 : 36	223.5	
KIRK 40°05.6' / -92°32.6'		344/020 113.3	059	10000	205	304	00 : 40	6.7	
KORD 40°05.6' / -92°32.6'		342/021 117.1	058	J96	888		02 : 16	230.2	
		008/011 114.6	050	10000	217	296	00 : 44	7.3	
		008/011 008	054	J96	649		03 : 00	237.5	
		008/011 008	058	10000	159	298	00 : 32	5.3	
		230/003 113.4	062	J96	490		03 : 32	242.8	
			064	10000	102	295	00 : 21	3.5	
			068	Direct	388		03 : 53	246.3	
			064	10000	32	295	00 : 07	0.5	
			068	J96	356		04 : 00	246.8	
			068	9200	36	294	00 : 07	0.6	
			071	J96	320		04 : 07	247.4	
			065	8300	77	296	00 : 16	1.3	
			067	J96	243		04 : 23	248.7	
			133	8500	4	307	00 : 01	0.1	
			135	Direct	239		04 : 24	248.8	
			083	6400	239	302	00 : 47	4.0	
			063	Direct	0		05 : 11	252.8	

Fix Name	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"> • Airports • Waypoints • Lat/Long • Fix/Radial/Distance (FRD) • Intersections • Navigational Aids 	Listed below for each fix type.	N/A
Fix Name (Airport)	KLAX 33°56.5' / -118°24.4'	<ul style="list-style-type: none"> • 3 or 4 alphanumeric Airport ID • lat/long in format degrees and minutes in tenths digit 	N/A
Fix Name (NavAid)	CYN 39°49.0' / -74°25.8' 113.4	<ul style="list-style-type: none"> • 2 to 3 letter NavAid followed by hyphen and first 10 characters of 	N/A

Navigation Log Results Page Description			
Field	Description	Format	Conditional Appearance
		<ul style="list-style-type: none"> NavAid short name (when available) lat/long in format degrees and minutes in tenths digit Morse code identifier Frequency included 	
Fix Name (Waypoint)	<div style="border: 1px solid black; padding: 2px; width: fit-content;"> CIDX 40°08.4' / -89°24.2' </div>	<ul style="list-style-type: none"> The identifier of the fix from which the waypoint is referenced lat/long in format degrees and minutes in tenths digit 	N/A
Morse Id	Morse Id for Fix(if available)	<ul style="list-style-type: none"> 20 characters 	N/A
Lat/Long	Latitude followed by a slash and longitude	<ul style="list-style-type: none"> lat/long in format degrees and minutes in tenths digit 	N/A
Freq	Closest radio frequency(TACAN, VOR, VORTAC, DME, NDB)	<ul style="list-style-type: none"> Frequency in MHz 	N/A
Wind(Deg/kt)	The display for leg wind is compass degrees/speed.	<ul style="list-style-type: none"> Degrees – NNN, values from 001-360 Wind speed – NNN, values 000-999 	Displayed when Winds/Temp checkbox is selected in Navigation Log dialog
Temp	Outside air temperature (OAT) for a particular leg at the corresponding Altitude	<ul style="list-style-type: none"> NNN in degrees Celsius; below zero degrees C have a minus (-) sign 	Displayed when Winds/Temp checkbox is selected in Navigation Log dialog
Magnetic Heading (MH) / Magnetic Course(MC)	<p>These values are derived from the direction of the aircraft's route of flight, based on each leg.</p> <p>Magnetic course is the aircraft's true north course corrected for magnetic north variation (and provides the aircraft's ground track).</p> <p>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).</p> <p>If there is a direct headwind or tailwind, then these values are the same.</p>	<ul style="list-style-type: none"> NNN degrees, values from 001-360 	Displayed when MH/MC checkbox is selected in Navigation Log dialog
Altitude	<p>An approximate altitude is calculated if passing a fix while climbing or descending</p> <p>Note: Approximate altitude can only be calculated using airplane performance info.</p>	<ul style="list-style-type: none"> For altitudes up to 17,999, in format NNNNN. Altitudes at and above 18000 expressed as flight levels- format FLNNN 	Displayed when Altitude/Route checkbox is selected in Navigation Log dialog
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"> Alphanumeric string. When no airway is shown in the route of flight field, then the word "Direct" is used instead of an airway 	Displayed when Altitude/Route checkbox is selected in Navigation Log dialog
Leg	<p>Leg distance in units matching Aircraft Speed entry</p> <p>A Leg is the route an aircraft travels from one fix to another.</p>	<ul style="list-style-type: none"> NNNNN nautical miles or kilometers (km) values of 1 to 99999 	Displayed when Leg Time checkbox is selected in Navigation Log dialog
Remaining	Total distance remaining in units matching Aircraft Speed entry	<ul style="list-style-type: none"> NNNNN nautical miles or kilometers (km) values of 1 to 99999 	Displayed when Total Time checkbox is selected in Navigation Log dialog
Est 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	Airspeed format is the same as that in the aircraft profile performance section.	Displayed when Ground Speed checkbox is selected in Navigation Log dialog

Navigation Log Results Page Description			
Field	Description	Format	Conditional Appearance
	as leg direction and/or winds aloft direction/speed change.		
	Blank space for the pilot to manually write in the actual ground speed.	N/A	N/A
Leg	Estimated leg time	HH:MM	N/A
Tot	Estimated total time enroute	HH:MM	N/A
Leg Fuel Used	Fuel consumption for the given leg.	<ul style="list-style-type: none"> Up to six numeric characters with one decimal (NNNNNN.N) Append unit in column header from aircraft profile: <ul style="list-style-type: none"> Gallons/hr → "(gal)" Liters/hr → "(L)" Pounds/hr → "(lb)" Kilograms/hr → "(kg)" <p>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>.</p>	Displayed if there is an aircraft profile containing performance data and Fuel Used checkbox is selected in Navigation Log dialog
Total Fuel Used	The total fuel consumed by the completion of the leg.	<ul style="list-style-type: none"> Up to six numeric characters with one decimal (NNNNNN.N) Append unit in column header from aircraft profile: <ul style="list-style-type: none"> Gallons/hr → "(gal)" Liters/hr → "(L)" Pounds/hr → "(lb)" Kilograms/hr → "(kg)" <p>For the first leg, the sum of fuel used and startup/Taxi fuel burn value from Aircraft Profile Performance Characteristics will be displayed.</p>	Displayed if there is an aircraft profile containing performance data and Fuel Used checkbox is selected in Navigation Log dialog
Notes	Column provided for Pilot to take notes	N/A	N/A
Destination Information – Contains a series of labels which are used by the pilot to write in frequencies and other destination information.			
Approach: Weather: ATIS: CTAF:		Tower: Ground: FBO/Other:	
Approach	<i>For Pilot's note</i>		
Weather	<i>For Pilot's note</i>		
ATIS	<i>For Pilot's note</i>		
CTAF	<i>For Pilot's note</i>		
Tower	<i>For Pilot's note</i>		
Ground	<i>For Pilot's note</i>		
FBO/Other	<i>For Pilot's note</i>		
Notes – blank area for use by the pilot for writing any pertinent notes during the flight.			

Navigation Log Results Page Description			
Field	Description	Format	Conditional Appearance
<i>Filled in by pilot</i>			

d. Navigation Log Restrictions

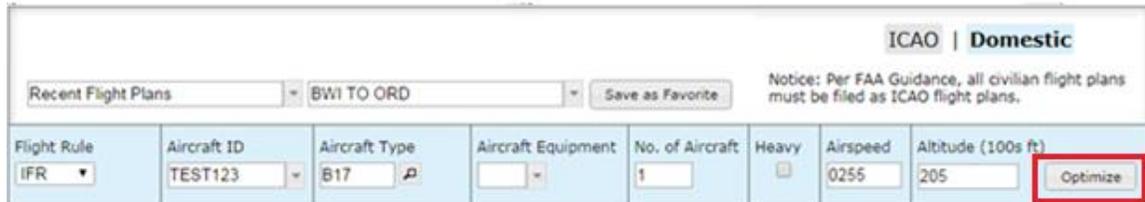
The table below lists the conditions where Navigation Log cannot be generated.

Navigation Log Restrictions	
Domestic Altitude	Navigation Log cannot be generated for Domestic Altitudes of: <ul style="list-style-type: none"> • VFR • OTP
ICAO Cruising Level	Navigation Log cannot be generated if the Cruising Level is in: <ul style="list-style-type: none"> • VFR

8.4. Altitude Optimization

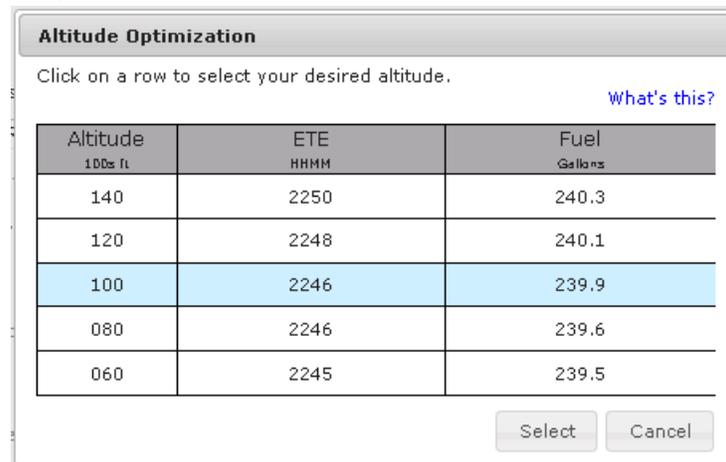
Altitude Optimization helps the pilot decide at which altitude to fly the route by estimating fuel usage and ETE for up to five different altitudes. It will estimate the ETE and fuel for 2,000 and 4,000 ft above a target altitude entered as well as 2,000 and 4,000 ft below it. It can check altitudes 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 screenshot shows the Flight Plan form with the following fields: Recent Flight Plans (dropdown), Aircraft ID (TEST123), Aircraft Type (B17), Aircraft Equipment (dropdown), No. of Aircraft (1), Heavy (checkbox), Airspeed (0255), and Altitude (100s ft) (205). The Optimize button is highlighted in a red box. A notice at the top right states: "ICAO | Domestic Notice: Per FAA Guidance, all civilian flight plans must be filed as ICAO flight plans." A "Save as Favorite" button is also visible.

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 contains the following table:

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

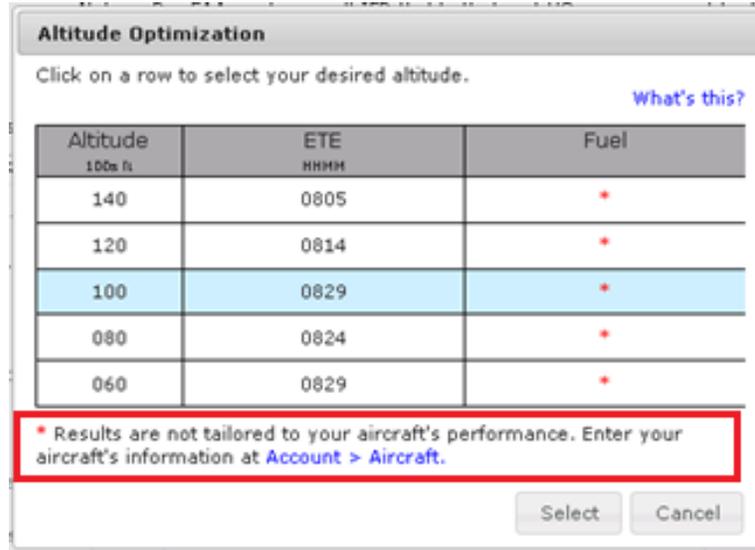
Buttons: Select, Cancel

Once the Altitude Optimization dialog is displayed the pilot may:

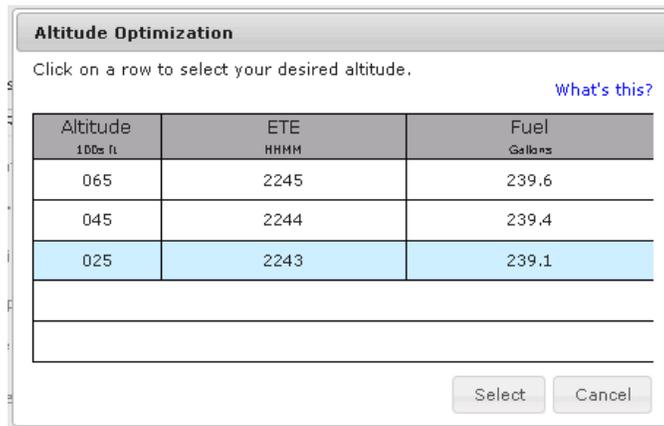
- i. Double-click a row
 - If the user double-clicks on a row,
 - The system closes the *Altitude Optimization* Dialog.
 - The system populates the Altitude or Level field with the value selected by the user.
- ii. Use the “Select” button
 - If the user clicks on a row, then clicks the Select button,
 - 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

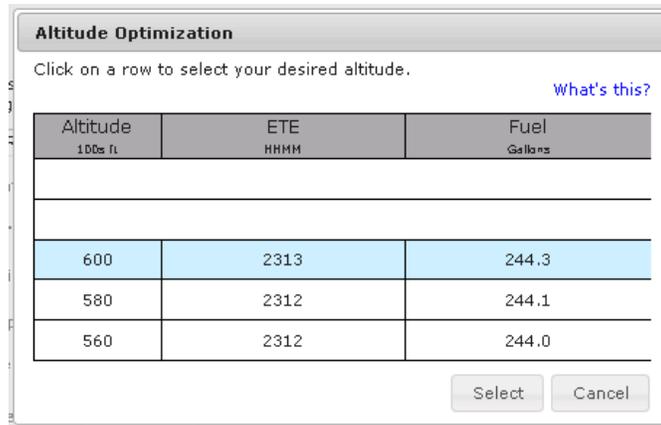
If the user clicks on the Cancel button, the system closes the *Altitude Optimization* Dialog and the original altitude entered by the user remains populated in the field.

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.

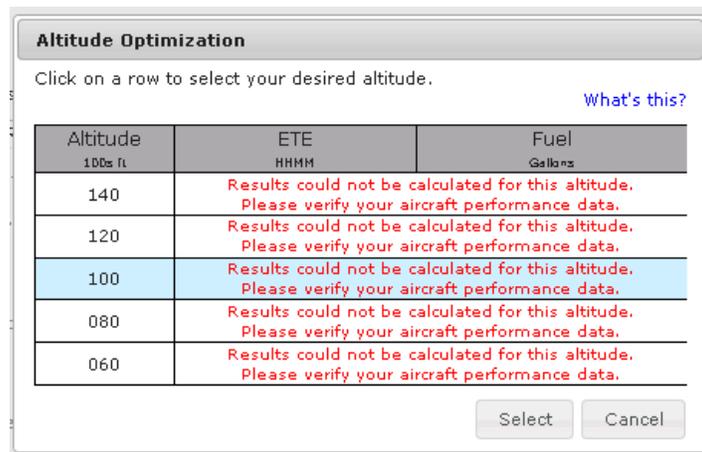


Depending on the flight rule and its associated altitude boundary conditions, if the user enters an altitude near the threshold, blank rows will be displayed if the 2,000 or 4,000 ft below or above altitudes are outside the acceptable range.





There are some cases in which altitude optimization cannot figure out a solution. The following screenshot shows the message that will be displayed.



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.

Once the Evaluate Departure Time dialog is displayed the pilot may:

i. 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.

ii. 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.

iii. 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.

Adverse Conditions

 This bar will appear in a timeline to show where your flight is estimated to pass active Adverse Conditions. These conditions may include:

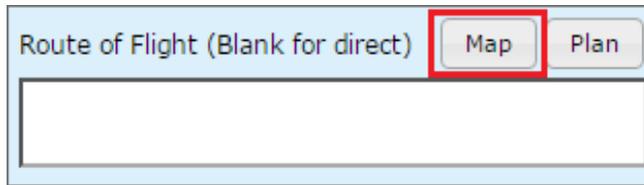
TFRs
Convective SIGMETs
SIGMETs (Included up to 4000ft above flight plan altitude)
AIRMETs (Included up to 4000ft above flight plan altitude)
CWAs
AWWs

- Where a future timeline does not have an Adverse Conditions bar, forecasts may not be available yet.
- 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.
 - AWWs are issued intermittently, and are typically valid for 2 -12 hours.

OK

8.6. Route Mapping

For Route Mapping, the button is available on the Flight Plan form.



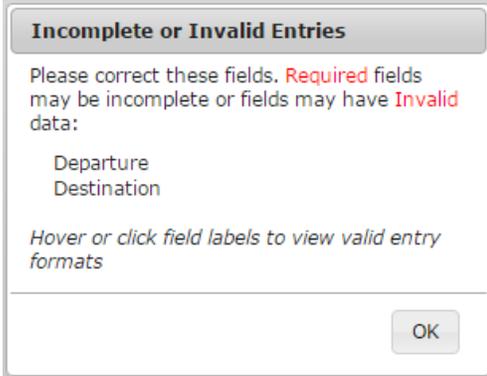
The screenshot shows a form with a text input field labeled "Route of Flight (Blank for direct)". To the right of the field are two buttons: "Map" and "Plan". The "Map" button is highlighted with a red rectangular border.

In order to successfully Map a route, the Departure and Destination fields are required. For ICAO flights, the Route of Flight is also required.

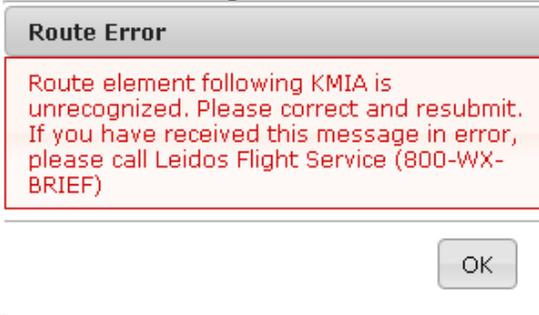
When the button is clicked, the Route dialog is opened. The dialog displays the route on a terrain and color map. The dialog also features pan/zoom capability.



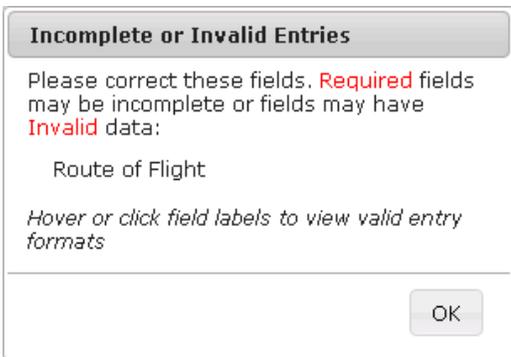
If either the Departure field or Destination field is left blank, or has an invalid entry, selecting the button will display an error dialog.



If the Route of Flight field has an invalid entry, an error dialog will be shown.



On the ICAO flight plan form, an error dialog will be shown if the Route of Flight field is blank.



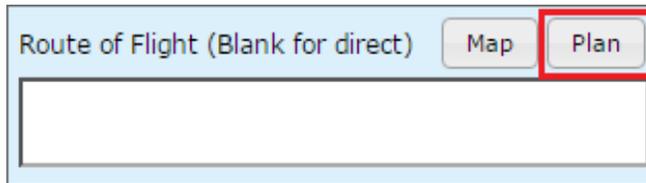
8.7. Route Planning

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.

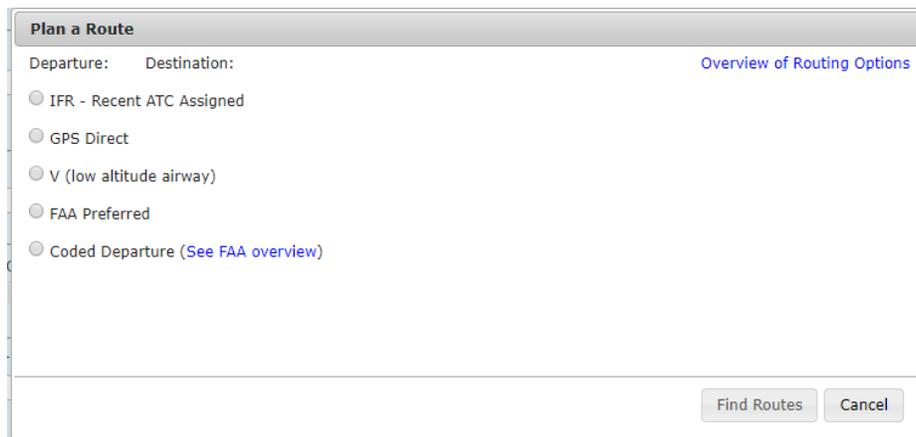
*Note that the calculated route does not consider weather, flight restrictions, altitude, or traffic flow management initiatives and that it is the pilot's responsibility to verify the route is flyable given their plane's performance envelope, fuel capacity, equipment and weather conditions.

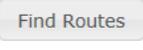
Route types:

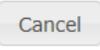
- I. IFR - Recent ATC Assigned
- II. GPS Direct
- III. V (low altitude airway)
- IV. FAA Preferred
- V. Coded Departure (See FAA overview)



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.



When a route type is selected and the  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 other types of routes, the dialog will show an airway or multiple airways in a tabular form. If the

 button is clicked, the dialog closes and returns to Flight Planning & Briefing page.

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  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  button
If the user clicks the Map button, the system will open a Map Route dialog displaying the route value selected by the user. Reference **Route Mapping** for more information.
- IV. Use the  button
If the user clicks the Back to Find Routes button the system will return to the previous Plan a Route dialog.
- V. 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:** preceded with  icon.

Plan a Route

Results: ⚠️ Departure and destination must differ to calculate V (low altitude airway) route

Departure: **BOS** Destination: **BOS**

<< Back to Find Routes Map Select Cancel

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

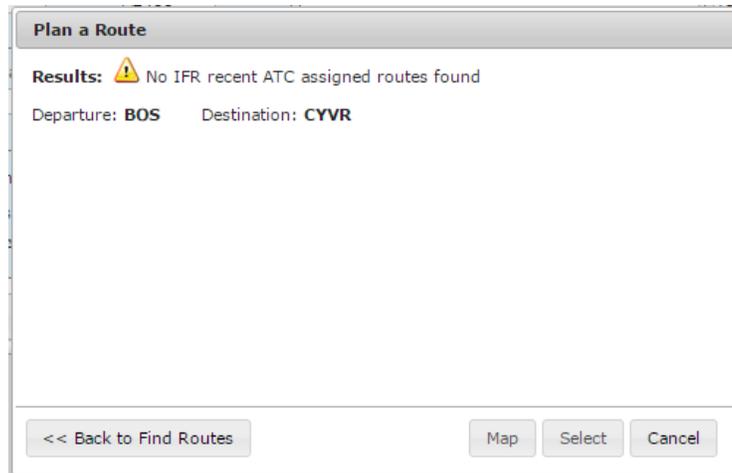
Departure: **BOS** Destination: **JFK**

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

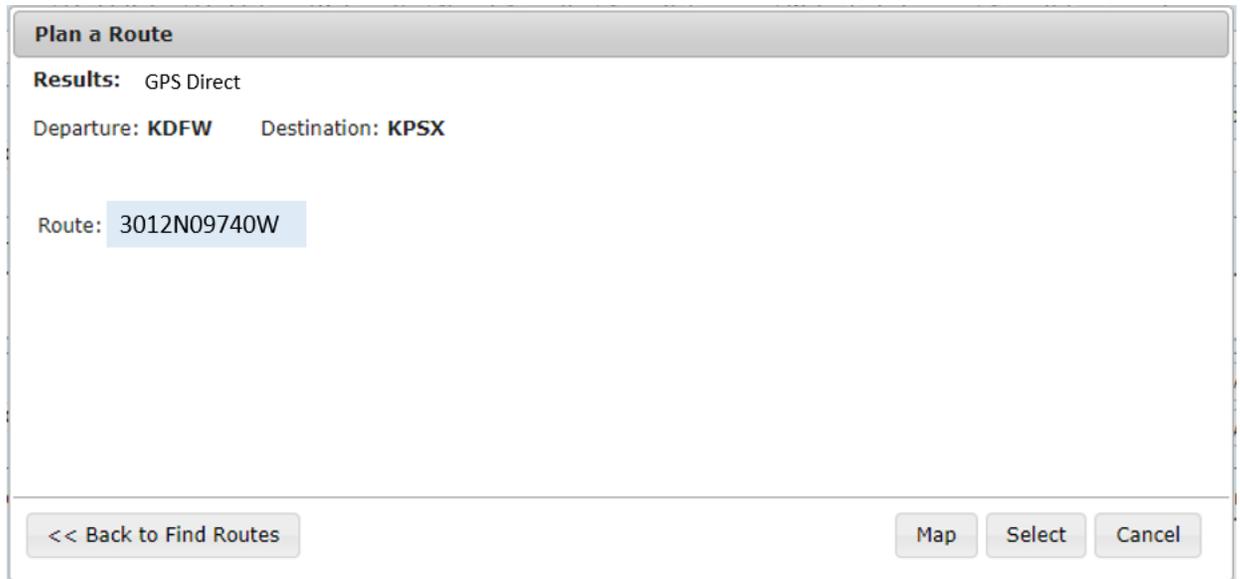
Columns **Last Dept. Time**, **Route**, **Flights**, **Altitude** are sortable in both ascending and descending manner.

If there are no IFR routes exist between departure and destination of the specified Flight Plan, the following will be displayed:



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.



c. V (low altitude airway)

The V (low altitude airway) 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.

Plan a Route

Departure: **BOS** Destination: **LAX** [Overview of Routing Options](#)

IFR - Recent ATC Assigned
 V (low altitude airway)
 SID (optional)
 STAR (optional)
 FAA Preferred
 Coded Departure ([See FAA overview](#))

Find Routes Cancel

Plan a Route

Results: V (low altitude airway)

Departure: **BOS** Destination: **LAX**

Route: **BOS V292 RIMBA V483 DNY V270 ULW V542 TDT V188 JFN V126 DJB V584 VWV V92 CGT V8 MZV V434 OTM V216 LAA V210 HEC V442 APLES V210 PIRRO V186 ITSME V264 STABO**

<< Back to Find Routes Map Select Cancel

d. 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.

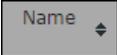
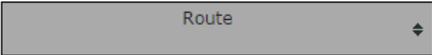
e. Coded Departure (See FAA overview)

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:

The screenshot shows a dialog box titled "Plan a Route". At the top, it says "Results: Coded Departure" with a link for "Equipment Code Definitions". Below that, it shows "Departure: BOS" and "Destination: JFK". A note says "Click a row to select desired route." Below this is a table with three columns: "Name", "Equip Code", and "Route".

Name	Equip Code	Route
BOSJFKEX	1	BURDY V268 SEY SEY235 V46 HTO V46 DPK
BOSJFKGN	1	HYLND3 HYLND CAM ALB IGN IGN1
BOSJFKPJ	1	SSOX53 SSOX5 BUZRD SEY PARCH1

At the bottom of the dialog, there are buttons: "<< Back to Find Routes", "Map", "Select", and "Cancel".

Columns , , and  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:

The screenshot shows a dialog box titled "Plan a Route". At the top, it says "Results:  No Coded Departure routes found". Below that, it shows "Departure: BOS" and "Destination: CYVR". At the bottom, there are buttons: "<< Back to Find Routes", "Map", "Select", and "Cancel".

8.8. History Page

The History page may be selected by navigating to the Flight Planning & Briefing menu item and selecting History. The Pilot History Page displays up to fifteen (15) 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.



Details	Event Date & Time	Event	Aircraft ID	Source	Departure	Destination
View	Jul 3, 1233Z	File Flight Plan	T1WVT	Website	AFIL	ZZZZ
View	Jul 3, 1233Z	File Flight Plan	LAEGZ	Website	KOAK	ZZZZ
View	Jul 3, 1233Z	File Flight Plan	XQ702	Website	ZZZZ	KPRC
View	Jul 2, 1856Z	File Flight Plan	BWEZK	Website	AFIL	ZZZZ
View	Jul 2, 1856Z	File Flight Plan	QMQQY	Website	KOAK	ZZZZ
View	Jul 2, 1856Z	File Flight Plan	RFP64	Website	ZZZZ	KPRC
View	Jul 2, 1403Z	File Flight Plan	KBBSM	Website	AFIL	ZZZZ
View	Jul 2, 1403Z	File Flight Plan	X19KU	Website	KOAK	ZZZZ
View	Jul 2, 1403Z	File Flight Plan	M18N7	Website	ZZZZ	KPRC
View	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
 - vii. Locations 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

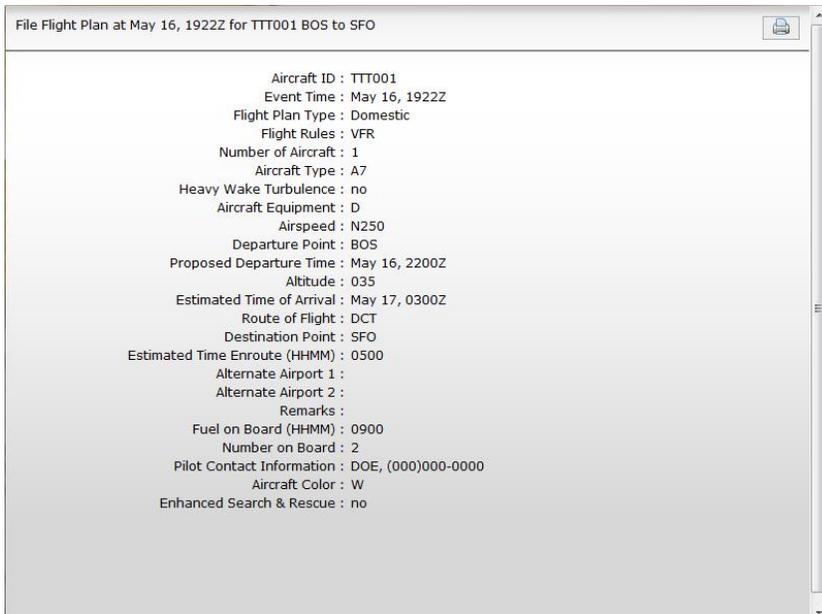
Additional details are available for UOA manipulation events, by pressing the View button.

- 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.

a. View Flight Plan Event Details Page

The View Flight Planning Event Details page may be selected by navigating to the Flight Planning & Briefing menu item, selecting History and then selecting the View button located next to the event. File and amend events will have a View button.



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 Flight Planning & Briefing menu item and selecting 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.

Route Standard Briefing at May 20, 1442Z for TST13 HGR to SFO 

Plain Text

Standard brief for VFR TST13 ST50/X HGR 201530 105 SFO ALT1: OAK ALT2: SJC 50nm

If flying outside the United States, check data as soon as practical after entering foreign airspace, as our international data may be inaccurate or incomplete. Contact the country whose airspace you will enter at the first opportunity.

Adverse Conditions:

Delta
No current Delta data for this briefing

Temporary Flight Restrictions
The published TFRs and special notices around sporting events, power plants, dams, refineries, military facilities, correctional and law enforcement facilities, as well as all other published NOTAMs, are available in the [Notices to Airmen Publication \(NTAP\)](#).

FDC 1/1155 KZDC

SUMMARY: TFR start is Jan 10, 2136Z, end is Until Further Notice.

TFR active while flight estimated to traverse area (1530Z to 1535Z).

FDC 1/1155 ZDC DC .. FLIGHT RESTRICTIONS, WASHINGTON, DC.
EFFECTIVE 1101102040 UTC UNTIL FURTHER NOTICE. THIS NOTICE WILL REPLACE NOTAM 0/9463 DUE TO TECHNICAL ERROR, NO CHANGES IN RESTRICTIONS. PURSUANT TO TITLE 14 CFR SECTION 99.7, SPECIAL SECURITY INSTRUCTIONS. A. EXCEPT FOR FAA APPROVED DOD, LAW ENFORCEMENT, AND WAIVERED LIFEGUARD/AIR AMBULANCE FLIGHTS, ALL VFR AIRCRAFT OPERATIONS WITHIN 30NM OF 385134N/0770211W OR THE WASHINGTON /DCA/ VOR/DME, FROM THE SURFACE UP TO BUT NOT INCLUDING FL180, ARE RESTRICTED TO AN INDICATED AIRSPEED OF 180 KNOTS OR LESS, IF CAPABLE. IF UNABLE, THE PILOT MUST CONTACT THE APPROPRIATE ATC FACILITY AND ADVISE THEM OF THE AIRCRAFT'S OPERATIONAL LIMITATIONS. B. ALL VFR AIRCRAFT OPERATIONS WITHIN THE AIRSPACE BETWEEN 30 NMR AND 60 NMR OF 385134N/0770211W OR THE WASHINGTON /DCA/ VOR/DME, FROM THE SURFACE UP TO BUT NOT INCLUDING FL180, ARE RESTRICTED TO AN INDICATED AIRSPEED OF 230 KNOTS OR LESS, IF CAPABLE. IF UNABLE THE PILOT MUST CONTACT THE APPROPRIATE ATC FACILITY AND ADVISE THEM OF THE AIRCRAFT'S OPERATIONAL LIMITATIONS PRIOR TO ENTERING THE 60 NMR OF THE WASHINGTON /DCA/ VOR/DME. WIE UNTIL UFN. CREATED: 10 JAN 20:50 2011

The View Flight Briefing Event display contains the briefing material that was present at the time of the request. For a Locations Briefing event, the display contains the briefing material for all locations in the Locations Briefing 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.

Secure | https://www.elabs.testafss.net/Website4/showHistoryBriefing?acid=AC11&eventId=665193766_579123_7740&eventTime=1536701758357&eventType=NAVLOG

showHistoryBriefing 1 / 1

NavLog for AC11 www.1800wxbrief.com

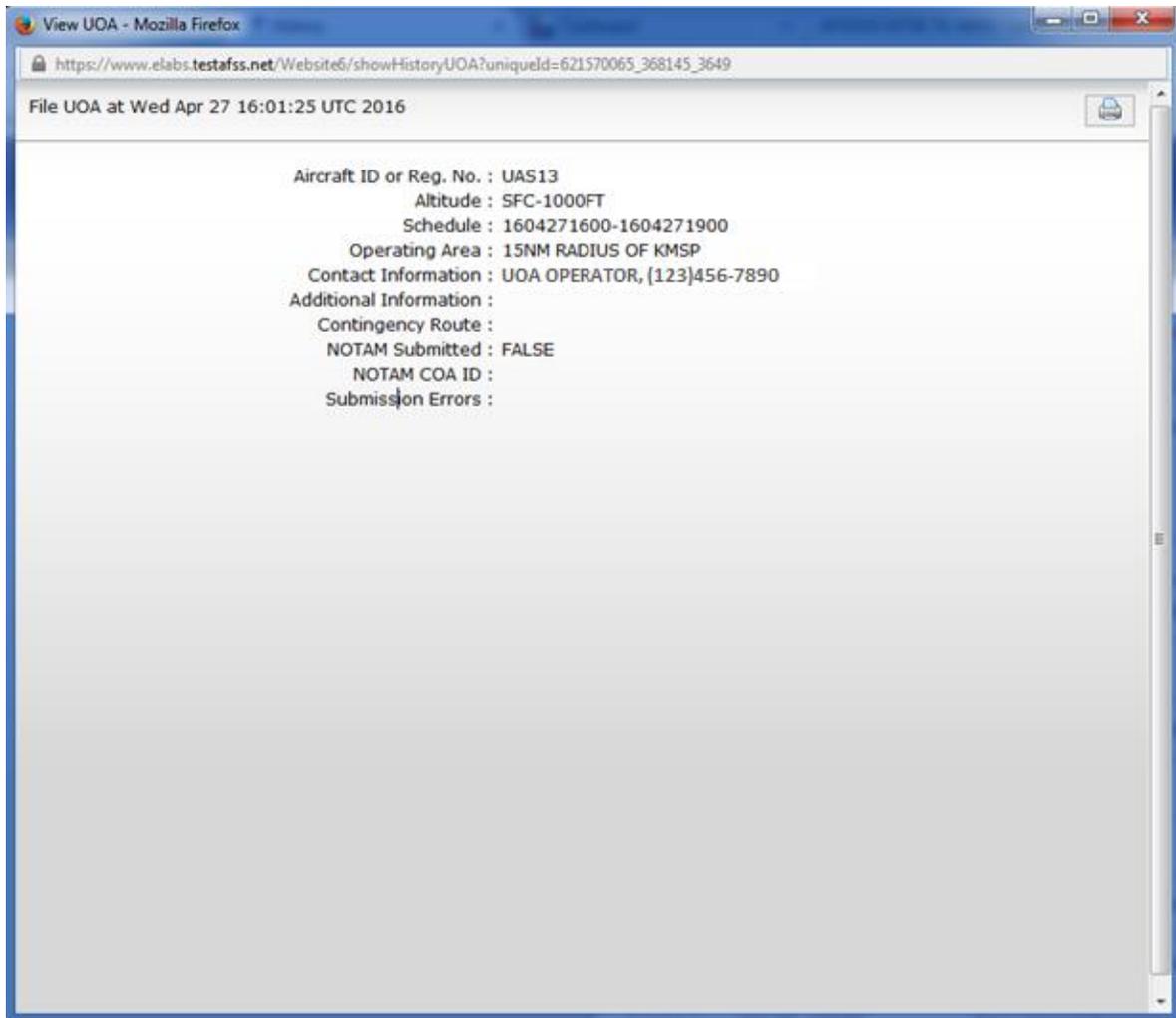
ATIS/AWOS/ASOS:		Cleared to:	
UNICOM:		Depart:	
Clearance Del:			
Ground:			
Tower:		Altitude:	
Departure:		Dep Frq/Squawk: /	
KMCO DCT KMIA			
ATD	ETE	ETA	Total Distance
	01:46		167 nm
			Fuel Required
			151.5 gal
Fix	Morse Code Freq	Wind Temp	MH MC
			Leg Rem (nm)
			ETE ATE
			Alt (ft) GS (kt)
			Leg Fuel Total (gal)
KMCO		075/008	281
28°25.8' / -81°18.5'		019	167
			0
			01:46
			100
			95
			3.0+148.5
			151.5
KMIA		076/005	
25°47.7' / -80°17.4'		030	
ATIS/AWOS/ASOS:		Dep	
Approach:		Dest	
UNICOM:			
Tower:			
Ground:			
Notes			

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

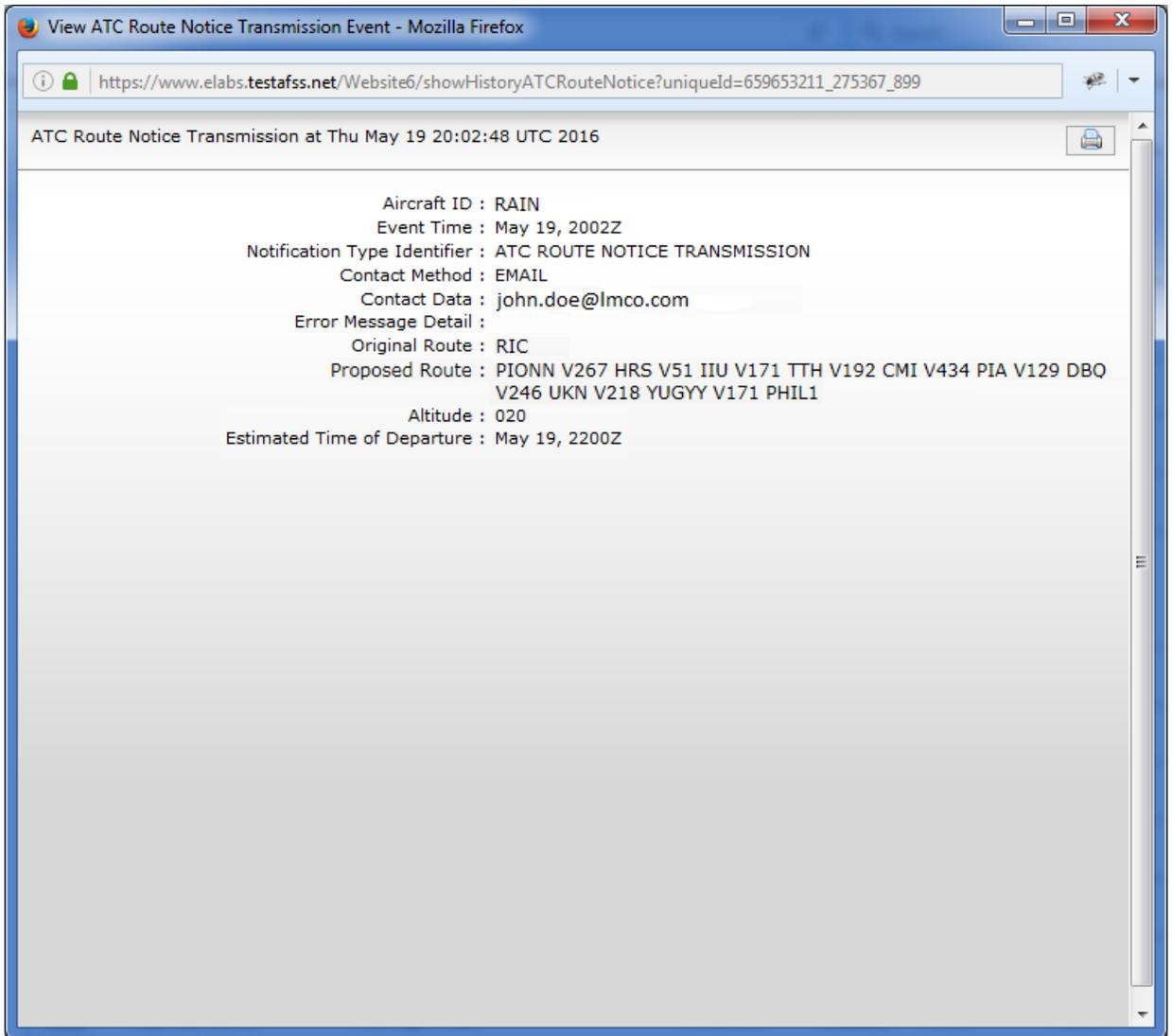
The View UOA Manipulation Event page may be selected by selecting the View button located next to one of the UOA manipulation event items displayed in the list of history event items. The image below is an example of a past File UOA Event.



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.



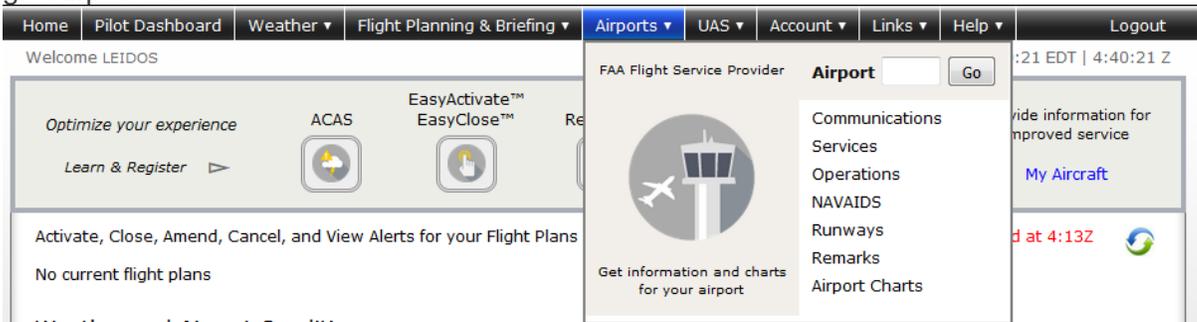
The ATC Route Notice Transmission Event display contains the ATC Route Notice Transmission material that was present at the time of the request.

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.

9. Airports Page

Hovering over Airports from the menu bar causes a drop-down menu to be displayed. It contains a text box and button, as well as the links shown below.

- a. Communications
- b. Services
- c. Operations
- d. NAVAIDS
- e. Runways
- f. Remarks
- g. Airport Charts



Retrieving information on specific airports can be accessed via the Airports page. Enter the appropriate three letter airport identifier in the open box, and select the GO button. If more than one airport can be associated with the three letter identifier given, several choices will be present in a drop down menu. Alternatively, a search function can be used to lookup the desired airport code by clicking the magnifying glass. Reference Departure/Destination/Alternates in **Flight Plan Helper Menu and Dialogs** for more information on this search function.



The auto-populate and ENCODE/DECODE capabilities are only available via the Airports page and not via the dropdown Airports menu.

Several aspects of the airport will be displayed as selectable Topics.

Airport Identifier:

— IAD - WASHINGTON DULLES INTL, WASHINGTON, VA

- ▼ Communications
 - CTAF:**
 - UNICOM:** 122.950
 - LEESBURG FSS (DCA) TF 1-800-WX-BRIEF, NOTAM FILE IAD
 - POTOMAC TRACON APCH/P CLASS B:** 124.65(091-240), 126.1(331-090), 306.925(091-240), 338.25(331-090)
 - POTOMAC TRACON APCH/P CLASS B IC:** 120.45(241-330)
 - POTOMAC TRACON DEP/P CLASS B:** 126.65(121-299), 350.2(121-299)
 - POTOMAC TRACON DEP/P CLASS B IC:** 350.2(300-120)
 - AS ASGND:** 125.8, 128.42, 132.45
 - CD/P:** 135.7, 317.8
 - D-ATIS:** 134.85
 - EMERG:** 121.5, 243.0
 - GND/P:** 121.625 WEST, 121.9 EAST, 317.8 EAST, 348.6 WEST
 - LC/P:** 120.1 RY 01R/19L, 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
 - LCL/P:** 120.25 RY 01C/19C
 - MIDFLD RAMP CTL:** 129.55
- Geographical Information
- Services
- Operations
- NAVAIDs
- Runways
- Remarks

Click on each Topic header for more detailed information:

a. Communications

This Topic displays all the frequencies associated with this airport.

- ▼ Communications
 - CTAF:**
 - UNICOM:** 122.950
 - LEESBURG FSS (DCA) TF 1-800-WX-BRIEF, NOTAM FILE IAD
 - POTOMAC TRACON APCH/P CLASS B:** 124.65(091-240), 126.1(331-090), 306.925(091-240), 338.25(331-090)
 - POTOMAC TRACON APCH/P CLASS B IC:** 120.45(241-330)
 - POTOMAC TRACON DEP/P CLASS B:** 126.65(121-299), 350.2(121-299)
 - POTOMAC TRACON DEP/P CLASS B IC:** 350.2(300-120)
 - AS ASGND:** 125.8, 128.42, 132.45
 - CD/P:** 135.7, 317.8
 - D-ATIS:** 134.85
 - EMERG:** 121.5, 243.0
 - GND/P:** 121.625 WEST, 121.9 EAST, 317.8 EAST, 348.6 WEST
 - GROUND CONTROL PRIMARY:** 121.625 WEST, 121.9 EAST
 - LC/P:** 120.1 RY 01R/19L, 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
 - LCL/P:** 120.25 RY 01C/19C
 - MIDFLD RAMP CTL:** 129.55

b. Geographical Information

This Topic displays the Lat/Long and Altitude of the airport, as well as the number of miles to the closest city.

- ▼ Geographical Information
 - Lat/Long:** 38-56-50.8000N /077-27-35.8000W
 - Elevation:** 312.0 (Estimated)
 - Variation:** 10W (2000)
 - From city 20 miles W of WASHINGTON, DC

c. Services

This Topic displays available fuel types, maintenance and repair services available, as well as oxygen availability.

▼ Services

Fuel Available: GRADE 100LL GASOLINE (LOW LEAD BLUE)
JET A - KEROSENE, FREEZE POINT -40C
Airframe service: MAJOR
Powerplant service: MAJOR
Bottled Oxygen: HIGH
Bulk Oxygen: HIGH

d. Operations

This Topic indicates the Airport manager and 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

FSS Name: LEESBURG (DCA)(1-800-WX-BRIEF)
Airport Manager: CHRISTOPHER BROWNE (703-661-6346)
Airport Use: Open to the Public
Sectional chart: WASHINGTON
Control tower: Yes
Boundary ARTCC: WASHINGTON
Responsible ARTCC:
NOTAMS facility: IAD (NOTAM-D service available)
Attendance: ALL/ALL/ALL
Segmented Circle: No
Lights:
Beacon: CLEAR-GREEN (LIGHTED LAND AIRPORT)

e. NAVAIDS

This Topic provides the nearest VORTACs, DME/TACANs, and HIWAS locations and frequencies related to the airport location.

▼ NAVAIDS

ID: AML
Navaid: ARMEL **Class:** L-VOR/DME
Freq: 113.50 **Factype:** VOR/DME
Lat/Long: 38-56-04.547N /077-28-00.103W
Elev: 297.0 **MagVar:** 08W
TACAN/DME Chan: 82X **NOTAM:** IAD
Dist / Bearing to Apt Center: .83 / 32.31
Restrict: TACAN AZIMUTH & DME UNUSBL BYD 35 NM BLO 2500 FT.
Restrict: VOR PORTION UNUSBL055-092 DEG BLO 4,500 FT ALL DSTCS; 093-115 DEG ALL DSTCS & ALTS; 116-209 DEG BLO 4.500 ALL DSTCS; 210-250 ALL DSTCS & ALTS; 320-050 BYD 15 NM ALL ALTS.
Restrict: DME UNUSABLE 055-210 DEG BYD 28NM BLO 2,500 FT; 211-230 DEG BYD 30 NM BLOW 3,000 FT.

ID: DCA
Navaid: WASHINGTON **Class:** L-VORW/DME
Freq: 111.00 **Factype:** VOR/DME
Lat/Long: 38-51-34.030N /077-02-11.170W
Elev: 10.4 **MagVar:** 09W
TACAN/DME Chan: 047X **NOTAM:** DCA
Dist / Bearing to Apt Center: 20.52 / 294.89
Restrict: VOR PORTION UNUSBL 026-070 BYD 20 NM BLO 5000 FT; 071-075 BYD 20 NM BLO 5500 FT; 076-105 BYD 20 NM BLO 5000 FT; 106-111 BYD 10 NM BLO 2500 FT; 106-125 BYD 20 NM BLO 8000 FT; 126-145 BYD 20 NM BLO 5500 FT; 146-155 BYD 20 NM BLO 6000 FT; 156-170 BYD 20 NM BLO 5500 FT.
Restrict: VOR PORTION UNUSBL 171-177 BYD 20 NM BLO 5000 FT; 178-260 BYD 20 NM BLO 4500 FT; 261-275 BYD 20 NM BLO 6000 FT; 276-283 BYD 20 NM BLO 7000 FT; 284-300 BYD 20 NM BLO 6000 FT; 301-025 BYD 20 NM BLO 4500 FT.
Restrict: DME PORTION UNUSBL 090-165 BYD 30 NM BLO 3000 FT; 250-270 BYD 20 NM BLO 2500 FT; 340-040 BYD 30 NM BLO 2500 FT.
Restrict: VOT UNUSBL IN FRONT OF NORTH HANGAR (INTERIM TERMINAL).

f. Runways

This Topic indicates the runways for the airport, as well as their composition and maintenance (but NOT current weather) condition(s).

▼ Runways

01C/19C Length: 11497 **Width:** 150; CONCRETE; GOOD CONDITION; SAW-CUT OR PLASTIC GROOVED
01L/19R Length: 9400 **Width:** 150; CONCRETE; EXCELLENT CONDITION; SAW-CUT OR PLASTIC GROOVED
01R/19L Length: 11500 **Width:** 150; CONCRETE; FAIR CONDITION; SAW-CUT OR PLASTIC GROOVED
12/30 Length: 10501 **Width:** 150; CONCRETE; GOOD CONDITION; SAW-CUT OR PLASTIC GROOVED

g. Remarks

This Topic indicates any restrictions and/or concerns while operating on, at, or near the airport location.

▼ Remarks

Remark: TAXILANE 'C' ACTIVE; PUSHBACK CLNCS ON NORTH SIDE OF MIDFIELD TERMINAL ARE ONTO TAXILANE 'D' ONLY UNLESS OTHERWISE AUTH.

Remark: ITINERANT ACFT CTC FBO ON 122.95 FOR SERVICES.

Remark: ALL AIRCRAFT WITH WINGSPAN EXCEEDING 118 FT ARE RESTRICTED FROM USING TAXILANE A BTN A1 & A5.

Remark: RUNUP BLOCKS FOR RY 30 DESIGNATED AS NON-MOVEMENT AREA.

Remark: ALL 180 DEG TURNS OUT OF APRON POSITIONS SHALL BE MADE USING MINIMUM POWER.

Remark: LDG FEE. FLIGHT NOTIFICATION SERVICE (ADCUS) AVBL. NOTE: SEE SPECIAL NOTICES --CONTINUOUS POWER FACILITIES.

Remark: ASDE-X SURVEILLANCE SYSTEM IN USE; PILOTS SHOULD OPERATE ADDED TRANSPONDERS WITH MODE C ON ALL TWYS AND RWYS.

Remark: TWY E1 RESTRICTED TO ACFT WITH A WINGSPAN LESS THAN 79 FT.

Remark: B747-800 RESTRICTED TO MAXIMUM TAXI SPEED 17KTS (20MPH) ON TWY J.

Remark: ENGINE RUN-UPS BTW 2200L & 0700L REQUIRE PRIOR APPROVAL FM ARPT OPS.

Remark: ACR PUSH BACKS & PWR FM ALL APRON PSNS REQUIRE CLNC FM MAAA RAMP TWR.

Remark: DEER/LARGE FLOCKS OF BIRDS ON & INVOF ARPT.

Remark: DURING PERIODS OF ACFT SATURATION LONG TERM PARKING MAY NOT BE AVAILABLE. SERVICES FOR FUEL AND GO ONLY WILL BE AVAILABLE.

Remark: FLIGHT TRAINING BETWEEN 2200-0700 IS PROHIBITED.

ASSOCIATED COUNTY'S STATE (POST OFFICE CODE): LOCATED IN BOTH FAIRFAX COUNTY VA AND LOUDOUN COUNTY VA.

For military airports, there are two additional sections / topics that are available:

h. Military Services

This Topic displays fuel types, maintenance and repair services available for the military.

▼ Military Services

Remark: FLUID: SP PRESAIR DE-ICE LPOX HPOX LOX.

Remark: FLUID NAVY: ADI SP PRESAIR DE-ICE-EXP EXTV DELAY LHOX LOX.

Remark: OIL: SOAP.

Remark: OIL NAVY: 0-128-133-148-156.

Remark: TRAN ALERT: EXP DELAYS AT NGT, WKEND AND HOL.

Remark: TRAN ALERT NAVY: SVCG NOT AVBL T-33 ACFT. NO MAINT/CARGO HANDLING AVBL. EXP SVCG DELAY. LCL STAGING FLT PROH.

Remark: A-GEAR: BAK-12A APCH END RWY 01R/19L NOT AVBL AND RQR 30 MIN PN FR 1130-2230Z++ WKD. RWY 01R AND RWY 19L HOOK MB60 UNSVC.

Remark: JASU: (A/M32A-86) 9(AM32-95).

Remark: JASU NAVY 8(GTC85) 9(NC-10C) 2(NC-8) 4(A/M47A-4).

Remark: FUEL: EXP 30 MIN DELAY. AIRCREW OF TRANSIENT AIRCRAFT REQUIRING POWER ON REFUELING MUST ASSIST IN REFUELING. J8.

Remark: FUEL NAVY: J8-AVBL O/R EXP MIN 1 HR DELAY.

FUEL TYPES AVAILABLE: FUEL: J8; SOAP SP PRESAIR DE-ICE; LPOX HPOX LOX.

i. Military Remarks

This Topic indicates any restrictions and/or concerns while operating on, at, or near the military airport location.

▼ Military Remarks

Remark: BEARING STRENGTH RY 01L/19R: S85 T220 ST175 SBTT518 TT327 TDT840 DDT800 TRT556.

Remark: RSTD:RY 01R-19L B-747/AN-124 OPR PROH,EXC 89AW ACFT, DUE FOREIGN OBJECT DAMAGE POTENTIAL;WAIVER AUTHORITY IS 316 OG/CC, PPR EXC AMC, SAM, DOD COURIER SVC, & EVAC MSN DSN 858-3411. ALL ACFT FILING TO ADW MUST CALL FOR RAMP FREEZE INFO, RAMP FREEZES CLOSE AFLD UP TO 30 MIN, DELAYS ARE POSSIBLE.

j. Airport Links, Charts, and Legends

Below the remarks section is an area consisting of links related to the specified airport. The first link in this section is a link to a satellite view of the airport. By clicking this link, a new window opens with the satellite view. Listed next are the Airport Charts associated with the specified airport and airport region which can be opened by clicking on the desired link. Legends for these charts are also included below the charts, labeled as Chart Legends. At the very bottom of the page is a convenient link to the National Flight Data Center (NFDC) website.

[Airport Satellite View](#)

Airport Charts

TAKEOFF MINIMUMS DOCCS TWO	ALTERNATE MINIMUMS DOCCS TWO, CONT.1	BARIN ONE (RNAV) ESTER ONE	COATT FOUR GIBBZ TWO (RNAV)	DELRO TWO GIBBZ TWO (RNAV), CONT.1 LEGGO TWO (RNAV)
GRAVZ ONE (RNAV)	GRAVZ ONE (RNAV), CONT.1	HYPER FIVE (RNAV)	HYPER FIVE (RNAV), CONT.1	
PHILIPSBURG TWO ILS OR LOC RWY 19L	PRTZL THREE (RNAV) ILS OR LOC/DME RWY 01C	SELINGSGROVE THREE ILS OR LOC/DME RWY 01L	WIGOL ONE (RNAV) ILS OR LOC/DME RWY 12	ILS OR LOC RWY 01R ILS OR LOC/DME RWY 19C
ILS OR LOC/DME RWY 19R	ILS RWY 01L (CAT II - III)	ILS RWY 01R (CAT II - III)	ILS RWY 19C (CAT II - III)	ILS RWY 19R (CAT II - III)
ILS RWY 01C (SA CAT II)	ILS RWY 19L (SA CAT II)	CONVERGING ILS RWY 12	CONVERGING ILS RWY 19C	CONVERGING ILS RWY 19L
CONVERGING ILS RWY 19R	RNAV (RNP) Z RWY 01C	RNAV (RNP) Z RWY 01R	RNAV (RNP) Z RWY 19C	RNAV (RNP) Z RWY 19L
RNAV (GPS) RWY 01L	RNAV (GPS) RWY 12	RNAV (GPS) RWY 19R	RNAV (GPS) Y RWY 01C	RNAV (GPS) Y RWY 01R
RNAV (GPS) Y RWY 19C	RNAV (GPS) Y RWY 19L	VOR/DME RWY 12	AIRPORT DIAGRAM	BUNZZ TWO (RNAV)
CAPITAL EIGHT	CAPITAL EIGHT, CONT.1	RNLDI THREE (RNAV)		

Chart Legends

[LEGENDS & GENERAL INFORMATION](#)
[AIRPORT DIAGRAM LEGEND](#)

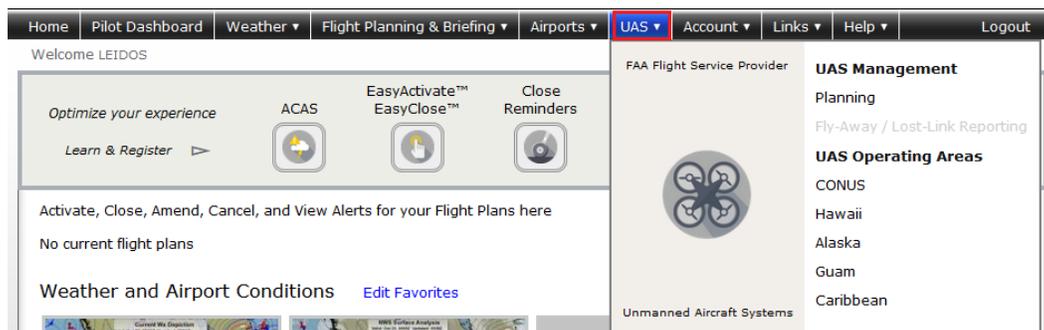
For airport familiarization, airport diagrams are provided at the bottom of the airport information pages on this website. An Additional website for airport diagrams is provided by the National Flight Data Center (NFDC). Not all Airport Diagrams are available.

Note: Charts and Legends are typically Adobe .pdf files and will require a .pdf compatible browser to use correctly.

10. UAS

The UAS menu item allows access to capabilities for Unmanned Aircraft Systems (UAS). Hovering over the UAS menu displays the links shown below.

- **Planning** (See UAS Operating Area Planning below)
- **Fly-Away / Lost-Link Reporting** (*future capability*)
- **CONUS** (See Display UAS Operating Areas below)
- **Hawaii** (See Display UAS Operating Areas below)
- **Alaska** (See Display UAS Operating Areas below)
- **Guam** (See Display UAS Operating Areas below)
- **Caribbean** (See Display UAS Operating Areas below)



10.1. 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)			UAS & UOA Help
<input type="button" value="Active UOAs"/> <input type="button" value="Pending UOAs"/> <input type="button" value="Past UOAs"/>			
Draft	Aircraft ID or Reg. No. <input type="text"/>	Altitude <input type="radio"/> MSL <input type="radio"/> AGL Lower <input type="text"/> ft Upper <input type="text"/> ft	Frequency <input checked="" type="radio"/> One Flight <input type="radio"/> Recurring Flight
Operating Area <input checked="" type="radio"/> Circular Area (a center point and radius) Center Point <input type="text"/> Radius <input type="text"/> nm <input type="button" value="Address"/> <input type="radio"/> Non-circular Area (a boundary defined by a series of points) <input type="radio"/> Line (a line defined by multiple points and a width) <input type="button" value="Map"/>		Schedule Start Date & Time <input type="text" value="10/14/2016"/> <input type="text" value="HHMM"/> <input type="text" value="EDT"/> End Date & Time <input type="text" value="10/14/2016"/> <input type="text" value="HHMM"/> <input type="text" value="EDT"/>	
Contact Information <input type="text"/>	Additional Information (optional) <input type="text"/>	<input type="checkbox"/> Have the service create NOTAM(s) for this UOA COA Identifier: <input type="text"/> If selected, a UAS NOTAM will be submitted on your behalf when clicking the Submit button.	
Pre-programmed Contingency Route (optional) <input type="text"/>		<input type="button" value="Preview NOTAM"/> Refer to FAA Guidance regarding submission of NOTAMs for Unmanned Aircraft. NOTAM service information and registration.	
<input type="button" value="Submit"/> <input type="button" value="Clear"/>		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's latitude and longitude.

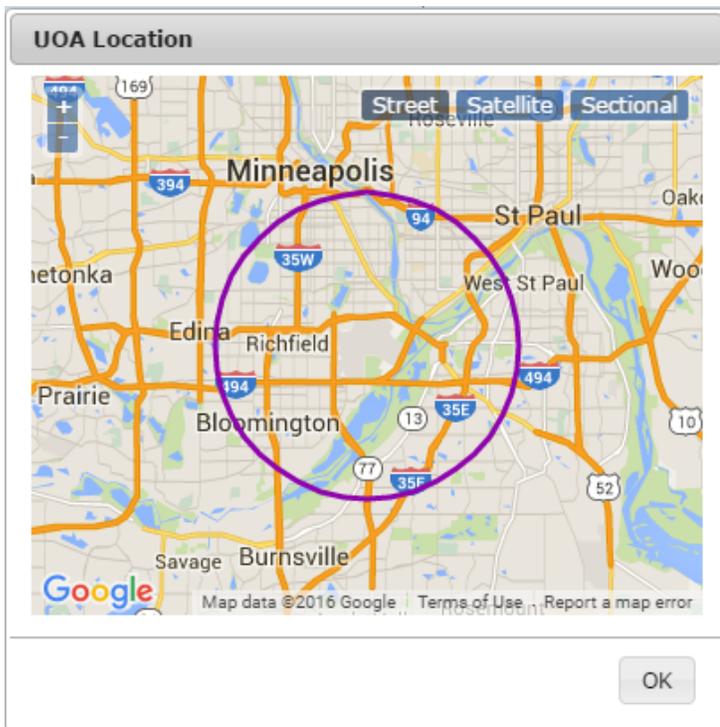
To search for an address, enter the search criteria (2-125 characters) in the text box and click the Search button. A list of address matches will be displayed. Select the desired address by clicking on it, and then clicking the Select button. If no matches are found, the text "No addresses match search 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 DR

ADDRESS
1303 CORPORATE CENTER DR, MONTEREY PARK, CA 91754, USA
1303 CORPORATE CENTER DR, EAGAN, MN 55121, USA
1303 CORPORATE CENTER DR, LAS VEGAS, NV 89115, USA
1303 CORPORATE CENTER DR, BURNSVILLE, MN 55306, USA
1303 CORPORATE CENTRE DR, LA QUINTA, CA 92253, USA

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, Satellite and Sectional, 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"> 8-10 alphanumeric characters or 1 letter followed by 1-6 alphanumeric characters Examples: 2330012013, N0819W 	<ul style="list-style-type: none"> This is the identification for the UAS. The Aircraft ID or Registration Number of the UAS should be used when available.
Minimum Altitude	<ul style="list-style-type: none"> 1-5 digits, max of 17999 	<ul style="list-style-type: none"> The minimum height of the UOA in Mean Sea Level (MSL) feet or Above Ground Level (AGL). When AGL is selected, this field defaults to Surface (SFC).
Maximum Altitude	<ul style="list-style-type: none"> 1-5 digits, max of 17999 	<ul style="list-style-type: none"> The maximum height of the UOA in Mean Sea Level (MSL) feet or in Above Ground Level (AGL)
Frequency	<ul style="list-style-type: none"> One Flight or Recurring Flight must be selected 	<ul style="list-style-type: none"> Indicates if the UOA is being defined for a single or recurring flight.
Start Date & Time	<ul style="list-style-type: none"> MM/DD/YYYY; based off of the selected time zone value 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 Time zone: <ul style="list-style-type: none"> AST ADT EST EDT CST CDT MST MDT PST PDT AKST AKDT HST UTC Must be no more than 27 days from current day 	<ul style="list-style-type: none"> This identifies the start time of the UOA for a single flight. Visible when One Flight is selected for Frequency
End Date & Time	<ul style="list-style-type: none"> MM/DD/YYYY; based off of the selected time zone value 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 Time zone: <ul style="list-style-type: none"> AST ADT EST EDT CST CDT MST MDT PST PDT AKST AKDT HST UTC 	<ul style="list-style-type: none"> This identifies the end time of the UOA for a single flight Visible when One Flight is selected for Frequency

UOA Form		
Field	Syntax Validation	Description
	<ul style="list-style-type: none"> Must be no more than 365 days from current day 	
First Day	<ul style="list-style-type: none"> MM/DD/YYYY 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. 	<ul style="list-style-type: none"> The day the UOA schedule begins. Visible when Recurring Flight is selected for Frequency
Last Day	<ul style="list-style-type: none"> MM/DD/YYYY Must be no more than 365 days from current day 	<ul style="list-style-type: none"> The day the UOA schedule ends. Visible when Recurring Flight is selected for Frequency
Active Days	<ul style="list-style-type: none"> At least one must be selected 	<ul style="list-style-type: none"> The days of the week the UOA will be active, within the first and last days of the schedule. Visible when Recurring Flight is selected for Frequency
Daily Active Time Range	<ul style="list-style-type: none"> At least one of the three options must be selected. When specifying start and end time explicitly: <ul style="list-style-type: none"> 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 Time zone: <div style="border: 1px solid black; padding: 2px;"> AST ADT EST EDT CST CDT MST MDT PST PDT AKST AKDT HST UTC </div> 	<ul style="list-style-type: none"> The time range during the day the UOA will be active, on those days where it is active. Visible when Recurring Flight is selected for Frequency
Operating Area	<ul style="list-style-type: none"> Selection of either Circular Area, Non-circular Area or Line 	<ul style="list-style-type: none"> This selection is used to select if the UOA will be a circular shape, a polygon or a line.
Circular Area - Center Point	<p>One of the following formats:</p> <ul style="list-style-type: none"> 2-4 alphanumeric airport/heliport/navaid (default airport) identifier Examples: HGR, KSEA, 90I5 8-20 character latitude/longitude in the format aabb(ss)(.)(t)(A)(/)(c)ccdd(ss)(.t)(B), where parentheses denote optional characters <ul style="list-style-type: none"> > aa is degrees latitude in the range 00-90 > bb is minutes latitude in the range 00-59 > (c)cc is degrees longitude in the range 00-180 > dd is minutes longitude in the range 00-59 > ss is seconds in the range 00-59 > (.t) is tenths of a second .0 to .9 > (A) is either N or S (North or South, default to N if unspecified) > (B) is either W or E (West or East, default to W if unspecified) 	<ul style="list-style-type: none"> 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. FRDs only permitted when referenced from a VOR Visible only when Circular Area is selected

UOA Form		
Field	Syntax Validation	Description
	<p>Example: 4449N/7322W</p> <ul style="list-style-type: none"> • 9-11 alphanumeric fix-radial-distance in the format AAAaaabbb(.b(b)), where parentheses denote optional characters <ul style="list-style-type: none"> ➤ AAA is 3 alphanumeric VOR identifier ➤ aaa is radial measure in degrees from North in the range 001-360 ➤ bbb(.b(b)) is distance in nautical miles in the range 001-999 or 000.01-999.99 <p>Example: HGR001024</p>	
Circular Area - Radius Point	<ul style="list-style-type: none"> • Range .1 to 25.0 	<ul style="list-style-type: none"> • This identifies the radius of the UOA in nautical miles from the center point. • Nautical miles can be calculated by multiplying miles by 0.87. • Visible only when Circular Area is selected
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"> • 2-4 alphanumeric airport/heliport/navaid (default airport) identifier Examples: HGR, KSEA, 90I5 • 8-20 character latitude/longitude in the format aabb(ss)(.)t(A)(/)(c)ccdd(ss)(.t)(B), where parentheses denote optional characters <ul style="list-style-type: none"> ➤ aa is degrees latitude in the range 00-90 ➤ bb is minutes latitude in the range 00-59 ➤ (c)cc is degrees longitude in the range 00-180 ➤ dd is minutes longitude in the range 00-59 ➤ ss is seconds in the range 00-59 ➤ (.t) is tenths of a second .0 to .9 ➤ (A) is either N or S (North or South, default to N if unspecified) ➤ (B) is either W or E (West or East, default to W if unspecified) <p>Example: 4449N/7322W</p> <ul style="list-style-type: none"> • 9-11 alphanumeric fix-radial-distance in the format AAAaaabbb(.b(b)), where parentheses denote optional characters <ul style="list-style-type: none"> ➤ AAA is 3 alphanumeric VOR identifier ➤ aaa is radial measure in degrees from North in the range 001-360 ➤ bbb(.b(b)) is distance in nautical miles in the range 001-999 or 000.01-999.99 <p>Example: HGR001024</p>	<ul style="list-style-type: none"> • This field is used to define a non-circular area. The points entered will be used to create the boundary for the UOA. • FRDs only permitted when referenced from a VOR • Visible only when Non-circular Area is selected
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"> • 2-4 alphanumeric airport/heliport/navaid (default airport) identifier Examples: HGR, KSEA, 90I5 • 8-20 character latitude/longitude in the format aabb(ss)(.)t(A)(/)(c)ccdd(ss)(.t)(B), 	<ul style="list-style-type: none"> • This field is used to define a line to be used to create the boundary for the UOA. • FRDs only permitted when referenced from a VOR • Visible only when Line is selected

UOA Form		
Field	Syntax Validation	Description
	<p>where parentheses denote optional characters</p> <ul style="list-style-type: none"> ➤ aa is degrees latitude in the range 00-90 ➤ bb is minutes latitude in the range 00-59 ➤ (c)cc is degrees longitude in the range 00-180 ➤ dd is minutes longitude in the range 00-59 ➤ ss is seconds in the range 00-59 ➤ (.t) is tenths of a second .0 .9 ➤ (A) is either N or S (North or South, default to N if unspecified) ➤ (B) is either W or E (West or East, default to W if unspecified) <p>Example: 4449N/7322W</p> <ul style="list-style-type: none"> • 9-11 alphanumeric fix-radial-distance in the format AAAaaabbb(.b(b)), where parentheses denote optional characters ➤ AAA is 3 alphanumeric VOR identifier ➤ aaa is radial measure in degrees from North in the range 001-360 ➤ bbb(.b(b)) is distance in nautical miles in the range 001-999 or 000.01-999.99 • Example: HGR001024 	
Line - Width	<ul style="list-style-type: none"> • Range .1 to 25.0 	<ul style="list-style-type: none"> • This identifies the width of the UOA line in nautical miles around the center line. • Nautical miles can be calculated by multiplying miles by 0.87. • Visible only when Line Area is selected
Contact Information	<ul style="list-style-type: none"> • 1-200 characters. 	<ul style="list-style-type: none"> • The name and phone number of the UAS operator.
Additional Information (optional)	<ul style="list-style-type: none"> • 1-200 characters. 	<ul style="list-style-type: none"> • Any additional information, such as a description of the flight.
Pre-programmed Contingency Route (optional)	<ul style="list-style-type: none"> • 1-500 characters. 	<ul style="list-style-type: none"> • This field is used if the UAS includes a pre-programmed contingency route.
Have the service create NOTAM(s) for this UOA	<ul style="list-style-type: none"> • Optional 	<ul style="list-style-type: none"> • Causes NOTAMs based on the UOA to be submitted to the USNS
NOTAM COA Identifier (Certificate of Waiver or Authorization)	<ul style="list-style-type: none"> • Authorized COA Identifier 	<ul style="list-style-type: none"> • Authorized identifier issued to a public operator for a specific UOA activity for which NOTAMs are submitted. • Required if NOTAMs to be submitted for the UOA • Enabled when the "Have the service create NOTAM(s) for this UOA" checkbox is checked
Preview NOTAM	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • Displays the NOTAM text that would be submitted to the USNS when the UOA is submitted. • Enabled when the "Have the service create NOTAM(s) for this UOA" checkbox is checked
View NOTAM	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • Displays the NOTAM text that has already been successfully submitted to the USNS for the UOA.

UOA Form		
Field	Syntax Validation	Description
		<ul style="list-style-type: none"> Visible only after the UOA has been submitted.

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 its start time is in the past and its end time is in the future
- **Pending UOAs** – A UOA will be in this list if its start time is in the future.
- **Past UOAs** – A UOA will be in this list if its end time is in the past. UOAs remain in the system and are assessable for 15 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.

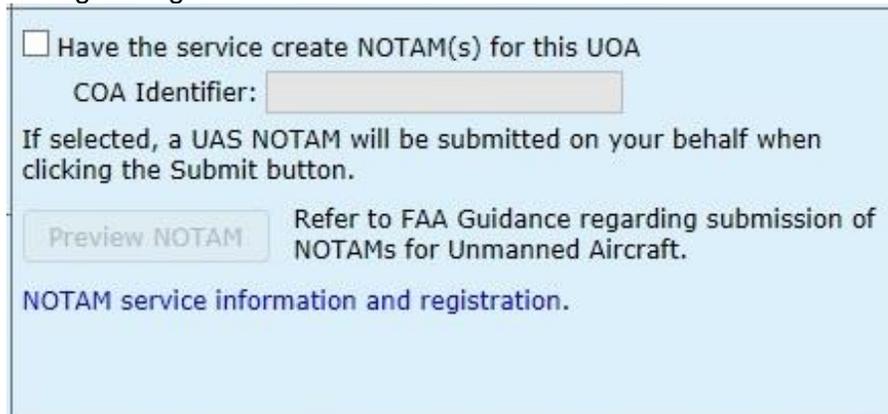
UOAs with an end time in the past will show the state of Past. The form is not modifiable, because the UOA has been closed. The following options available are:

- **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:



Have the service create NOTAM(s) for this UOA
COA Identifier:

If selected, 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.](#)

After successful registration, the NOTAM section will display controls for allowing NOTAM submission and NOTAM preview:

Have the service create NOTAM(s) for this UOA
COA Identifier:

If selected, 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.](#)

Have the service create NOTAM(s) for this UOA
COA Identifier:

If selected, 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.](#)

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.

When registered for this service, with each UOA you submit you will have the option to have the service generate and submit the appropriate UAS NOTAM(s). When applicable, we will submit the NOTAM(s) at 72-hours prior to the UOA start time and send you an email.

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

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: **10/31/2017**

The Flight Services Automated UAS NOTAM Service generates and submits UAS NOTAMs.

When registered for this service, with each UOA you submit you will have the option to have the service generate and submit the appropriate UAS NOTAM(s). When applicable, we will submit the NOTAM(s) at 72-hours prior to the UOA start time and send you an email.

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

10.2. Display UAS Operating Areas

The UAS map display allows the pilot/UOA operator to

- a. Display the UAS Operating Areas
- b. Base Map background
- c. Sectionals Map data
- d. Select Adverse Conditions layers
- e. Configure Map options
- f. Time-Filter UOA options
- g. Show UOA & Adverse Condition Labels

a. Display the UAS Operating Areas

The UAS map display will automatically refresh the Adverse Conditions every minute. The display options will be saved in the browser so the next time you display the map the same settings will be selected. The UAS main menu dropdown has options to open a window to display all the UOAs that are currently planned and

active in different regions. The UOA layer is always displayed. The following regions are available:

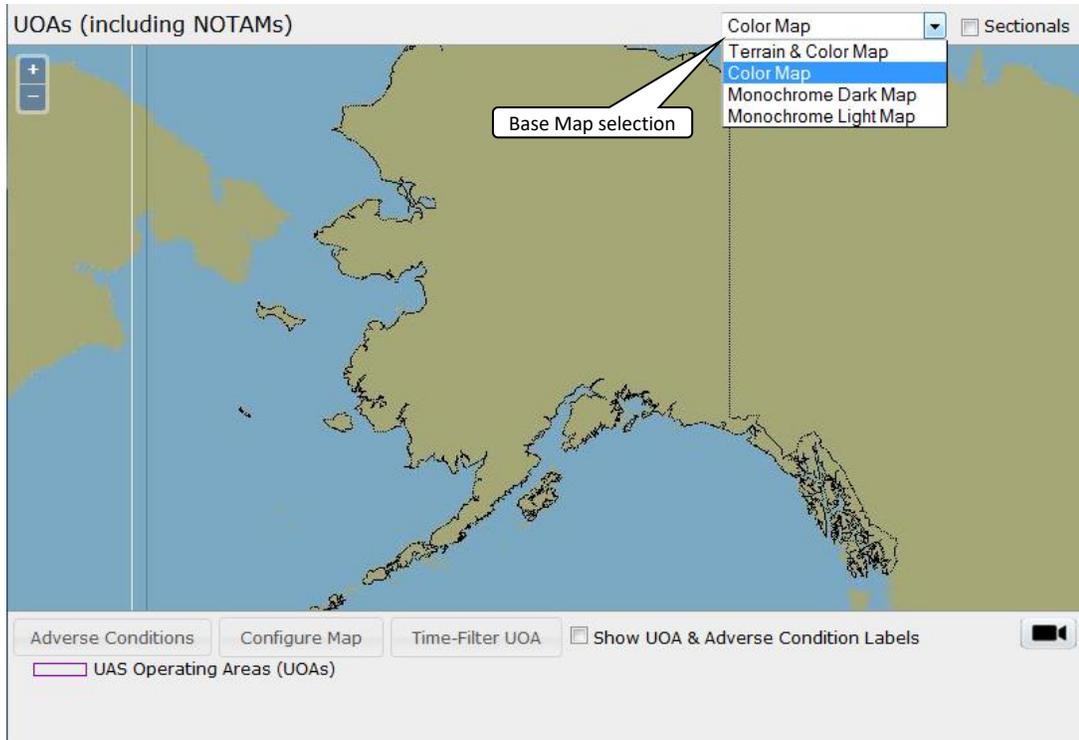
- **CONUS**
- **Hawaii**
- **Alaska**
- **Guam**
- **Caribbean**

Example window for Alaska:



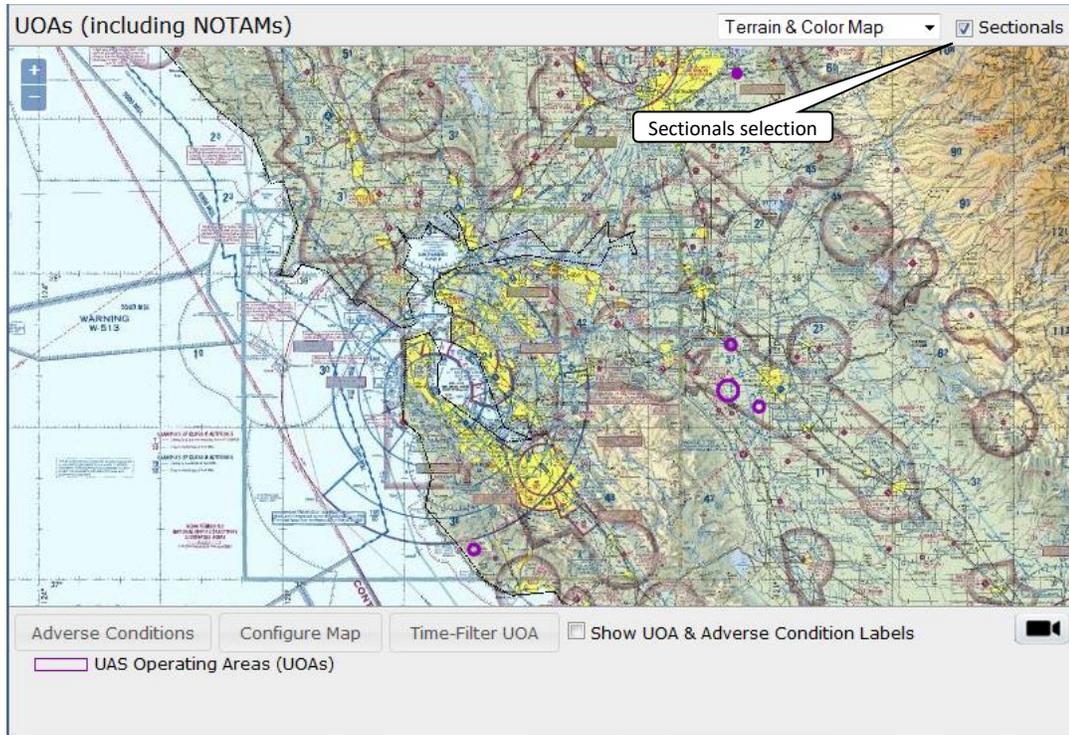
b. Base Map background

Additionally the background map may be modified by the pilot/UOA operator using the dropdown list that appears at the top of the graphic pane: There are four different base maps that can be selected which are Terrain & Color Map, Color Map, Monochrome Dark Map and Monochrome Light Map. The base map overlay can be changed by selected the pull-down menu and selecting the desired base map.



c. Sectionals Map data

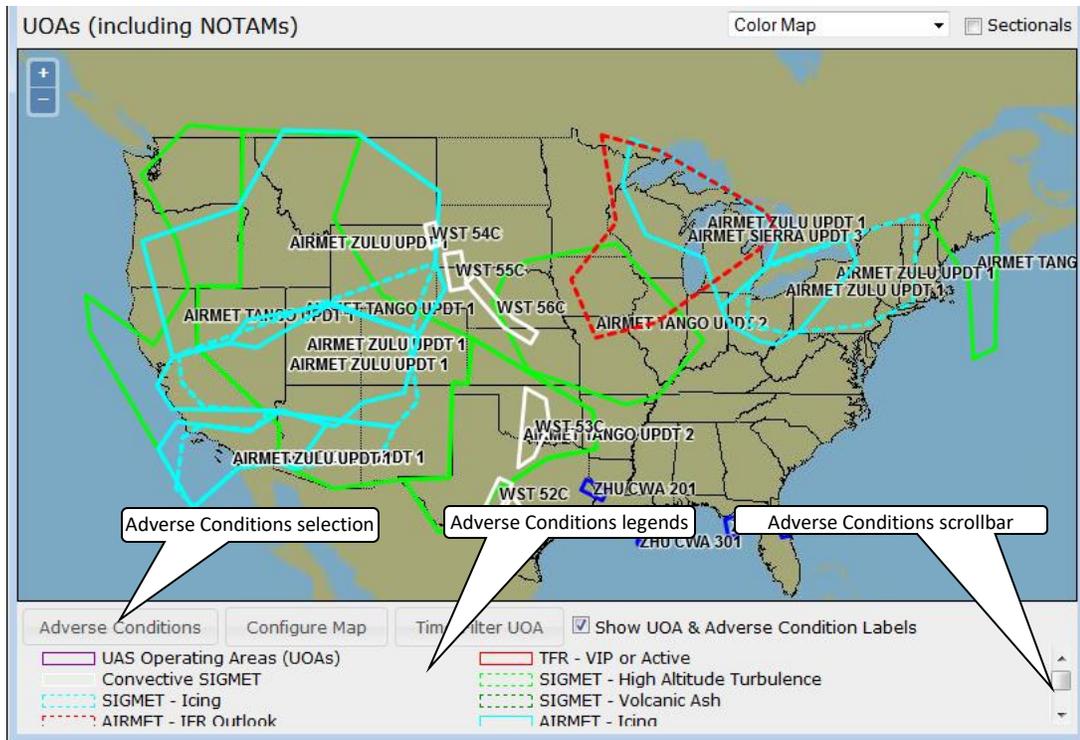
The sectional map data can be toggled on and off by selecting the sectionals check box. The Sectional Map data will be displayed above the base imagery but below all other overlays if Sectionals is selected. The image in the Briefing Graphics Pane will be updated to display a set of seamless Sectional charts.



These Sectional charts have been modified from their original format in order to allow multiple adjacent charts to be displayed simultaneously without the legends from one chart obscuring the map data from another. Zoom in on the selected area of interest on the graphics window to see the navigation data on the chart,

d. Select Adverse Conditions layers

The Adverse Cond button allows the user to access Adverse Conditions that intersect the UOAs. At the bottom of the display there is a dynamically created list of the adverse conditions legends with icons associated for the active layers which is scrollable.



The Adverse Condition layers below can be toggled on and off by selecting the Adverse Conditions button at the bottom of the display. To the right side of each layer there is an icon that represents the style that is associated with that specific layer. Checking the box next to the Adverse Condition will turn that specific layer on and the layer will be automatically refreshed on a predefined time interval. When the data is being refreshed an icon will be displayed to the left side of the base map background pull-down menu.

The Time-Filter and Adverse Conditions are mutually exclusive selections. When a Time-Filtering UOA option has been selected then the button Adverse Conditions will not be selectable.

The Adverse Conditions that can be selected are displayed in the figure below.

Adverse Conditions

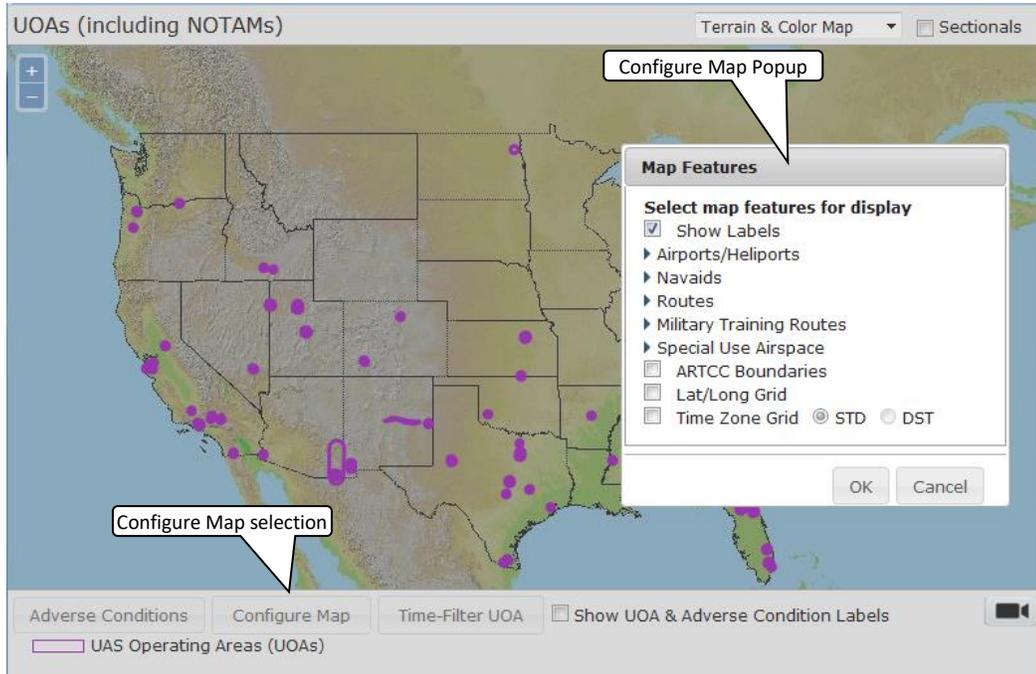
Select adverse conditions for display

- TFR - VIP or Active [red box]
- TFR - Firefighting [blue box]
- TFR - Scheduled [cyan box]
- Convective SIGMET [grey box]
- Convective SIGMET Outlook [dotted box]
- SIGMET - High Altitude Turbulence [green dotted box]
- SIGMET - Low Altitude Turbulence [yellow dotted box]
- SIGMET - Icing [cyan dotted box]
- SIGMET - Obscuration [red dotted box]
- SIGMET - Volcanic Ash [green dotted box]
- SIGMET - Other [dotted box]
- AIRMET - IFR [red box]
- AIRMET - IFR Outlook [red dotted box]
- AIRMET - Mountain Obscuration [purple box]
- AIRMET - Mountain Obscuration Outlook [purple dotted box]
- AIRMET - Icing [cyan box]
- AIRMET - Icing Outlook [cyan dotted box]
- AIRMET - Low Altitude Turbulence [yellow box]
- AIRMET - Low Altitude Turbulence Outlook [yellow dotted box]
- AIRMET - High Altitude Turbulence [green box]
- AIRMET - High Altitude Turbulence Outlook [green dotted box]
- AIRMET - Significant Surface Winds [grey box]
- AIRMET - Significant Surface Winds Outlook [grey dotted box]
- AIRMET - Low Level Wind Shear [orange box]
- AIRMET - Low Level Wind Shear Outlook [orange dotted box]
- AIRMET - Other [grey box]
- AIRMET - Other Outlook [dotted box]
- Urgent PIREPs ▲
- Center Weather Advisories [blue box]
- Thunderstorm Warning [yellow dotted box]
- Thunderstorm Watch [yellow box]
- Tornado Warning [red dotted box]
- Tornado Watch [red box]

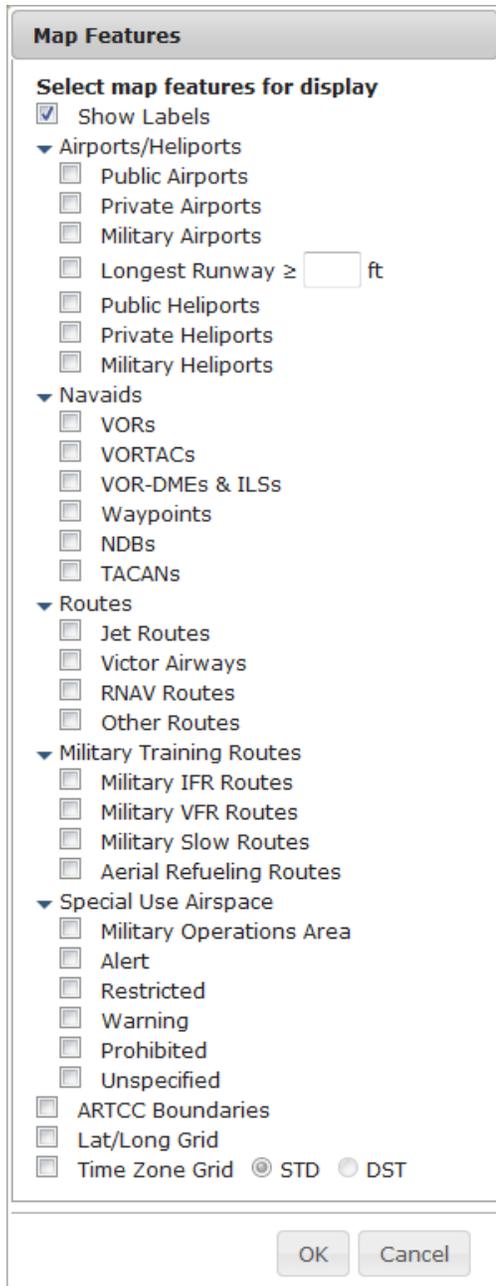
OK Cancel

e. Configure Map options

The Configure Maps options allows the pilot/UAO operator to toggle on or off map feature labels, Airports/Heliports, Nav aids, Routes, Military Training Routes, Special Use Airspace, ARTCC Boundaries, Lat/Long Grid and the Time Zone Grid.

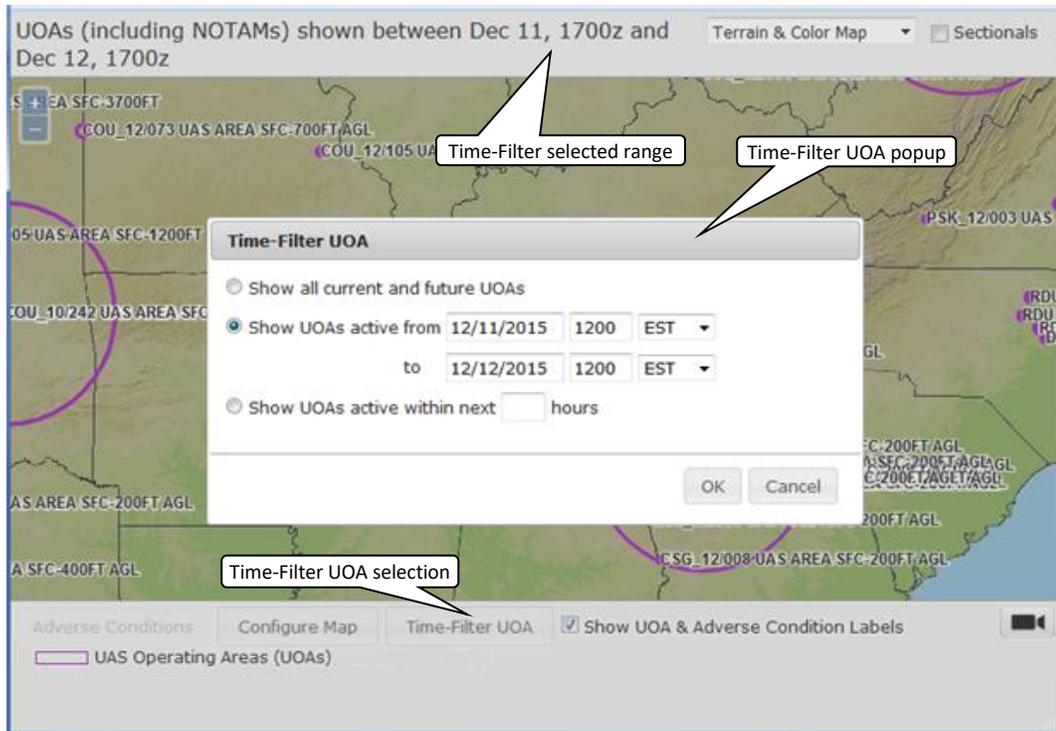


The Configure Maps options that can be selected are displayed in the figure below.



f. Time-Filter UOA options

The Time-Filtering UOA options allows the pilot/UOA operator to filter which UOAs are being displayed for schedule planning purposes. When the Show All current and future UOAs is selected all of the schedule and active UOAs will be displayed. When the Show UOAs active From MM/DD/YYYY HH:MM to MM/DD/YYYY HH:MM is selected the pilot/UOA operator would enter the desired time that they would like to show the active UOAs. The selected time range will be displayed at the top of the map display window. Once the end of the time range has been reached then the time filter range information will be removed and the Time-Filter option will be set to “Show all current and future UOAs”

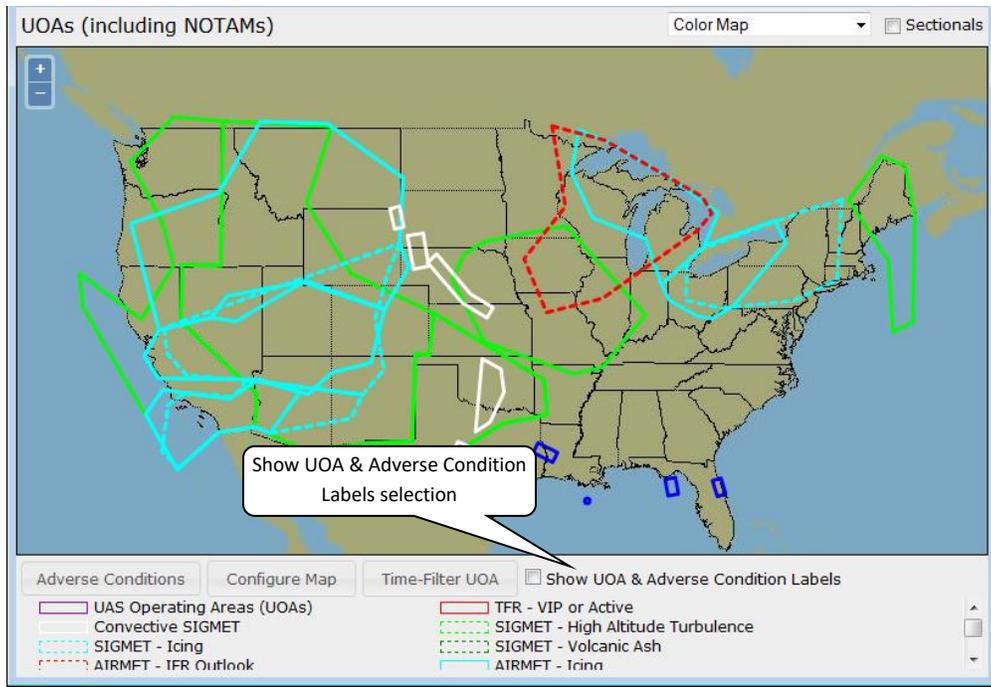


When the Show UAOs active within the next HH hours is selected the pilot/UOA operator would enter the desired number of hours that they would like to show the active UAOs. The selected time range will be displayed at the top of the map display window. The active time range information updates as the data is updated.

The Time-Filter and Adverse Conditions are mutually exclusive selections. When the Adverse Conditions layer has been selected then the Time-Filtering UOA button will not be selectable.

g. Show UOA & Adverse Condition Labels

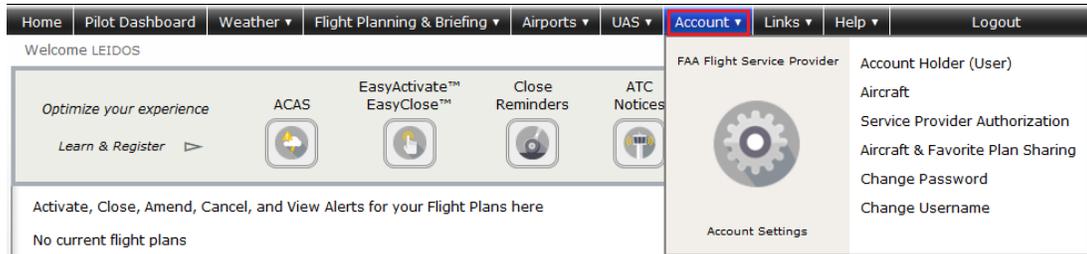
The pilot/UOA operator can choose to hide the labels by deselecting the Show Labels checkbox from the Auxiliary section of the Graphics Configuration Panel.



11. 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 and contains a link to the privacy policy.

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. [View the Leidos Flight Service privacy policy.](#)

The first legend is the **Username** box.

Username

Username: [Change Username](#)

In this legend, 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 legend is the **Name** box.

Name

First Name:

Middle Initial:

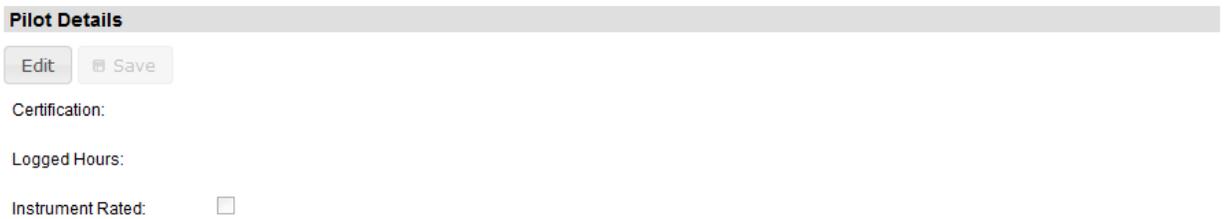
* Last Name / Organization: TESTER

Suffix:

In this legend, pilots enter the details of their name. Please note that pilots can update any field in this legend at a later date if needed.

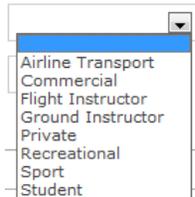
- Pilots can enter their first name in the First Name field which can be special characters, numbers and space with maximum length of 15 characters. Please note that this field is optional and can be left blank.
- Pilots can enter their middle initial in Middle Initial field which can be a special character 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 legend is the **Pilot Details** box.



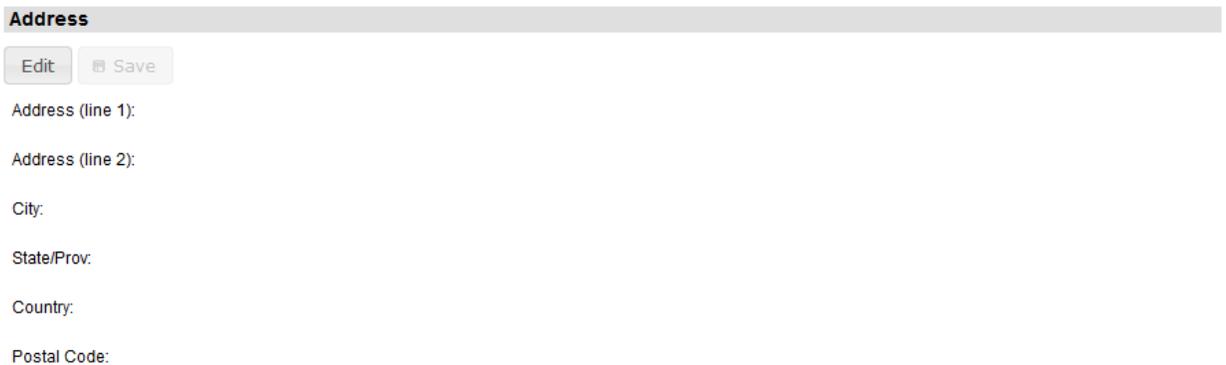
In this legend there are three fields: Certification, Logged Hours, and Instrument Rated. These fields are optional and can be updated at a later date if needed.

- 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.

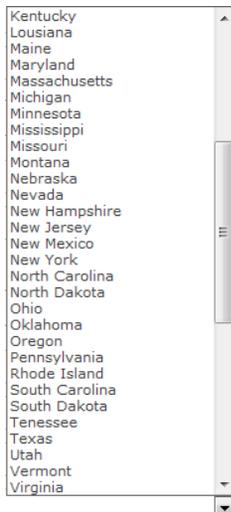
The fourth legend is the **Address** box.



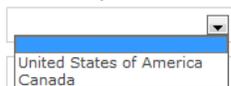
In this legend there are six fields for pilots to record the details of their address. All these fields can be left blank or updated at a later date if needed. However, if one of

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 legend is the **Primary Phone Number** box.

Primary Phone Number

Edit

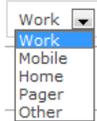
Save

* Phone Number (Primary): (952) 952-9529

Mobile

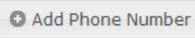
In this legend pilots must provide one primary phone number.

- 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 legend 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 legend is the **Emergency Contacts** box.

In this legend pilots can click on  to add optional emergency contacts. Nine additional emergency contacts may be added.

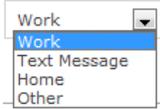
- Pilots can enter their emergency contact name in the Name field which can be special characters, numbers and space with maximum length of 51 characters.
- Pilots can enter their emergency contact phone number in the Phone Number field which can be numbers or (xxx) xxx-xxxx format with maximum length 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 legend on this page is the **Email Addresses** box.

In this legend 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 **Add Email Address** to add additional email addresses following the same format as described above for primary email address.

Email Addresses

Add Email Address **Save** **Cancel** **Edits Not Saved**

* Email Address (Primary): test@user.com

Email: **Work** **Delete**

To delete any additional email addresses click on the **Delete**.

b. Aircraft

For each aircraft there are two legends: Aircraft Information and Aircraft Performance. The first aircraft that is added will automatically be set as the primary aircraft.

Add Aircraft

View Aircraft ID: **Delete Aircraft**

Nine additional aircraft may be added. Pilots can click on **Add Aircraft** to add additional aircraft. 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.

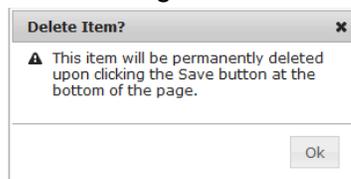
Aircraft Information

Edit **Save**

* Aircraft ID:

Primary Aircraft (default entry in flight plans)

The **Edit** button is then clicked allowing aircraft information to be changed including the selection **Primary Aircraft (default entry in flight plans)**. Selecting the Primary Aircraft checkbox and then saving, will set the currently viewed aircraft as primary. To delete the currently viewed aircraft, click on the **Delete Aircraft**. A pop up box will appear in the center of the screen asking for the user to confirm the deletion.



The first legend is the **Aircraft Information** box.

In this legend pilots can enter the details of their aircraft. Please note that pilots can update any field in this legend at a later date if needed. The information from this legend will be pre-populated in the corresponding fields on the Flight Planning & Briefing 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 Pilot 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.

Aircraft

The information provided here will improve the flight services you receive in these ways:

- Aircraft information will automatically populate the Flight Planning & Briefing page.
- Aircraft performance data will be used to provide better briefing accuracy and Navigational Log fuel burn estimates.

To add an aircraft select "Add Aircraft", fill at least the required information (Aircraft ID, Home Base Phone), then select "Save".

To make updates select the appropriate "Edit" button, update information, then select "Save".

To delete first ensure "View Aircraft ID" displays the Aircraft ID, then select "Delete Aircraft", and select "Delete" in the confirmation dialog.

[Add Aircraft](#)

View Aircraft ID: [Delete Aircraft](#)

* Required fields

Aircraft Information

[Edit](#) [Save](#) [Cancel](#) ⚠ Edits Not Saved

* Aircraft ID: Set as Primary Aircraft (default entry in flight plans)

Aircraft Type: [P](#)

Position Reporting Device Type: [Help](#)

Position Reporting Device ID:

Aircraft Color (Optional): [P](#)

Fuel Capacity: Gallons

Home Base: [P](#)

* Home Base Phone:

For use with domestic flight plans only:

Aircraft Equipment:

Airspeed:

For use with ICAO flight plans only:

Aircraft Equipment: [P](#)

Surveillance Equipment: [P](#)

Cruising Speed:

Supplemental Information:

<input type="checkbox"/> UHF	<input type="checkbox"/> Polar	<input type="checkbox"/> Light	Dinghies			
<input type="checkbox"/> VHF	<input type="checkbox"/> Desert	<input type="checkbox"/> Fluorescent	Number	Capacity	Color	<input type="checkbox"/> Covered
<input type="checkbox"/> ELBA	<input type="checkbox"/> Maritime	<input type="checkbox"/> UHF	<input type="text"/>	<input type="text"/>	<input type="text"/>	
	<input type="checkbox"/> Jungle	<input type="checkbox"/> VHF				

Other Information: [P](#)

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

The second legend is the **Aircraft Performance** box.

In this legend pilots can enter the performance data of the aircraft previously entered into the Aircraft Information legend. Please note that pilots can update the fields in this legend 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, 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.

Fuel Units:

Startup/Taxi Fuel Burn:

Climb Performance

Airspeed: knots

Fuel Burn Rate: gallons/hour

Climb Rate: feet/minute

Cruise Performance

Fuel Burn Rate: gallons/hour

[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, 1-5 digits; minimum 0.1, maximum 9999.9.

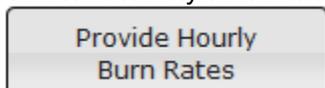
Climb Rate - representing ft/min in the format 1-5 digits; minimum 1, maximum 99999.

- **Cruise Performance**

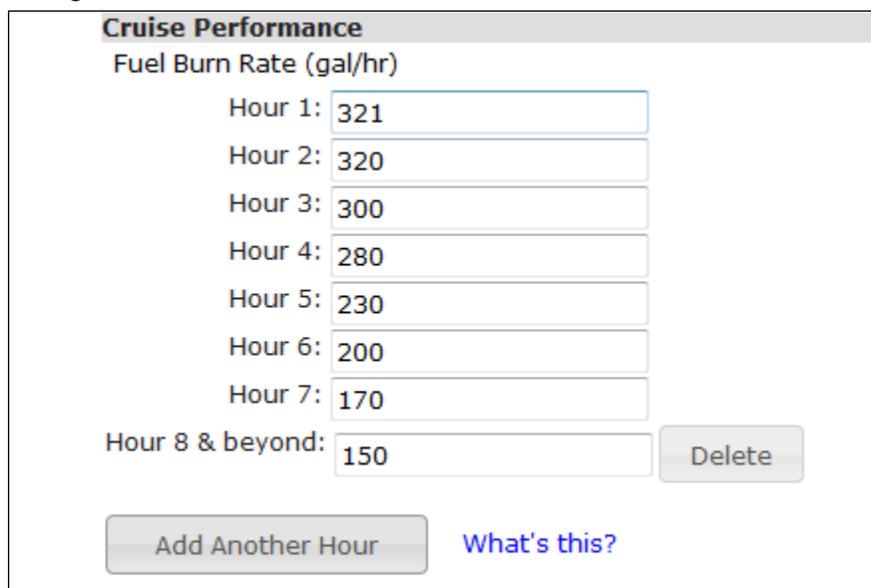
Parameter used to calculate the fuel burn for the cruise portion of the flight plan.

Fuel Burn Rate - representing units selected above in the format, 1-5 digits; minimum 0.1, maximum 9999.9.

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.

A screenshot of a software interface titled "Cruise Performance". Below the title is the label "Fuel Burn Rate (gal/hr)". There are eight input fields, each preceded by a label: "Hour 1:", "Hour 2:", "Hour 3:", "Hour 4:", "Hour 5:", "Hour 6:", "Hour 7:", and "Hour 8 & beyond:". The values entered in these fields are 321, 320, 300, 280, 230, 200, 170, and 150, respectively. To the right of the "Hour 8 & beyond:" field is a "Delete" button. Below the input fields is an "Add Another Hour" button and a blue link labeled "What's this?".

Hour	Fuel Burn Rate (gal/hr)
Hour 1:	321
Hour 2:	320
Hour 3:	300
Hour 4:	280
Hour 5:	230
Hour 6:	200
Hour 7:	170
Hour 8 & beyond:	150

Hourly Fuel Burn Rates can be added, up to a maximum of 8 hours, by clicking on  button.



By clicking  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, 1-5 digits; minimum 0.1, maximum 9999.9.

Descent Rate - representing ft/min in the format 1-5 digits; minimum 1, maximum 99999.

c. Display Settings

Pilots can add a maximum of three airports and four graphic weather products to be displayed on the Pilot Dashboard page. See "Pilot Dashboard page" section of this document for a discussion of the default weather products and airports.

The **Airports for METARs, TAFs, and NOTAMs** section allows you to select the airports that will display that information on the Pilot Dashboard page. 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.

Display Settings

Airports for METARs, TAFs, and NOTAMs

Airport 1: 

Airport 2: 

Airport 3: 

Flight Plan Helper Menu and Dialogs for Departure/Destination/Alternates for airports.

Departure/Destination/Alternates

STATE Exact Match

ID ▲	TYPE ◆	NAME ▲	LAT/LONG ◆	CITY, STATE ▲	ARTCC ◆	FSS ◆
KIAD	AIRPORT	WASHINGTON DULLES INTL	3857N07728W	WASHINGTON, DC	ZDC	DCA

The next four legends are the **Graphic** boxes.

Pilots can use the drop down to select the type of Weather Graphic to display on the Pilot Dashboard page.

The image shows a configuration interface for weather graphics. It consists of four sections, each labeled 'Graphic 1' through 'Graphic 4'. Each section contains a 'Clear' button and a 'Weather Graphic Type' dropdown menu. A large dropdown menu is currently open, displaying a list of available weather graphic types. The list includes:

- U.S. Weather Depiction
- U.S. Surface Analysis
- 12 Hr Surface Prog
- 24 Hr Surface Prog
- 36 Hr Surface Prog
- 48 Hr Surface Prog
- 12 Hr Low Level Sig Prog
- 24 Hr Low Level Sig Prog
- 24 Hr High Level Sig Prog
- Freezing Level
- CONUS Forecast Radar
- CONUS Radar Mosaic Echo Tops
- CONUS Radar Mosaic Base Reflectivity
- CONUS Winter Storm Mosaic Base Reflectivity
- CONUS Radar Mosaic Composite
- CONUS Infrared Satellite Forecast
- CONUS Water Vapor Satellite Forecast
- CONUS Infrared Satellite
- CONUS Visible Satellite

At the bottom of the form, there is a 'Save' button.

If one of the CONUS (excluding CONUS Radar Summary), Hawaii, or Alaska options are chosen from the dropdown, pilots will be required to enter an Airport and Range. Upon clicking the button, the system will display the message “Airport is required” and/or “Range is required” to the right of the text boxes if these fields are left blank. If the fields are not filled in correctly, “Airport is invalid” and/or “Range is invalid” will be displayed.

To clear the Graphic field click on button.

d. Service Provider Authorization

This page has a list of service providers that are available for selection.

In order 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 getting briefings and briefing updates and alerts for those flight plans.
- You can use the advanced services you have registered for, with flight plans filed on your behalf.
- 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 (update aircraft information, service registrations, account sharing, portable position device information).

Your personal information is not shared with your service provider. [View the Leidos Flight Services privacy policy](#)

To authorize your service provider select "Edit" then select the provider's "Yes" radio button, then select "Save".

Authorized	Service Provider
<input type="radio"/> Yes <input checked="" type="radio"/> No	AvNav
<input type="radio"/> Yes <input checked="" type="radio"/> No	Avare EFB
<input type="radio"/> Yes <input checked="" type="radio"/> No	Bihrie
<input type="radio"/> Yes <input checked="" type="radio"/> No	DroidEFB/Avilution
<input type="radio"/> Yes <input checked="" type="radio"/> No	Naviator
<input type="radio"/> Yes <input checked="" type="radio"/> No	SkyVector
<input type="radio"/> Yes <input checked="" type="radio"/> No	WingX Pro7 by Hilton Software
<input type="radio"/> Yes <input checked="" type="radio"/> No	IFly GPS

e. Aircraft & Favorite Plan Sharing

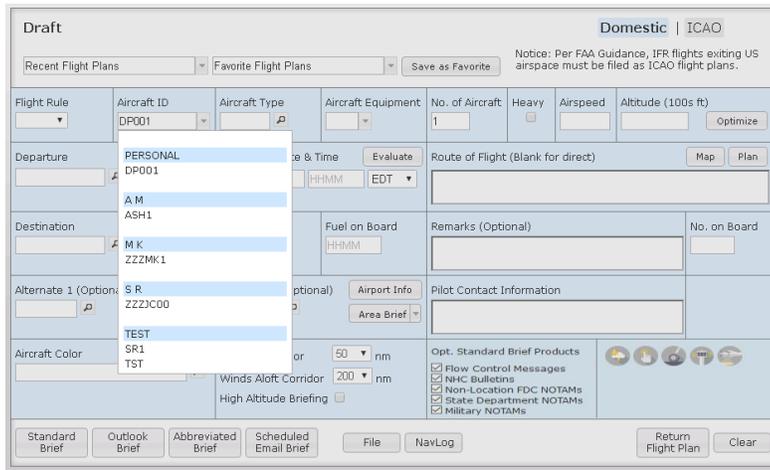
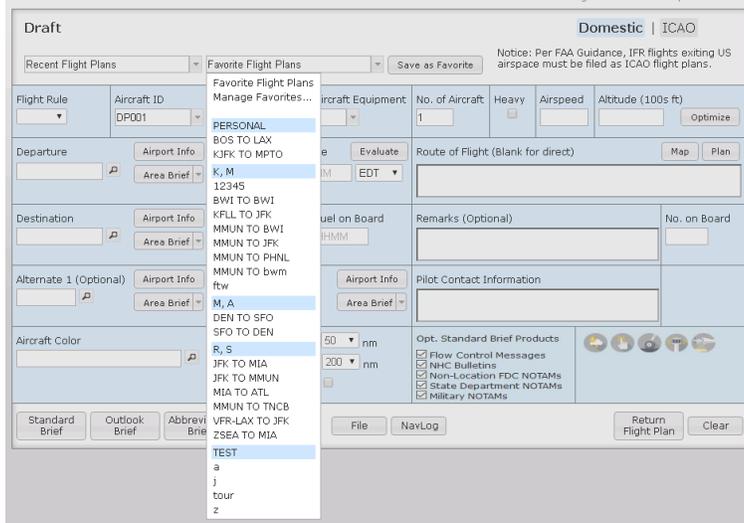
In the **To share with another pilot** legend, pilots can choose to share their favorite flight plans and aircraft profiles with other users.

To share with another pilot, select "Add Pilot" and enter the Pilot's information, then select "Save".

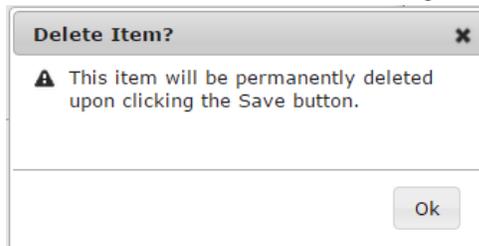
To end account sharing with another pilot select "Stop Sharing" then select "Save".

Sharing With - Pilot Web Username	First Name	Last Name
<input type="button" value="Stop Sharing"/> USER@LMCO.OM		

Pilots can click on to add the user's information. Inputted email address is validated syntactically and semantically to check if the username exists. On sharing, the user will be able to view and select your Aircraft from the Pilot Dashboard page. User will also be able to view and select both Favorite Flight Plans and/or Aircraft from the Flight Planning page.



To stop sharing with the user, click on **Stop Sharing** next to the name of that user. A pop up box will appear in the center of the screen asking to confirm the deletion.



f. Change Password

Reference section **Change Password**

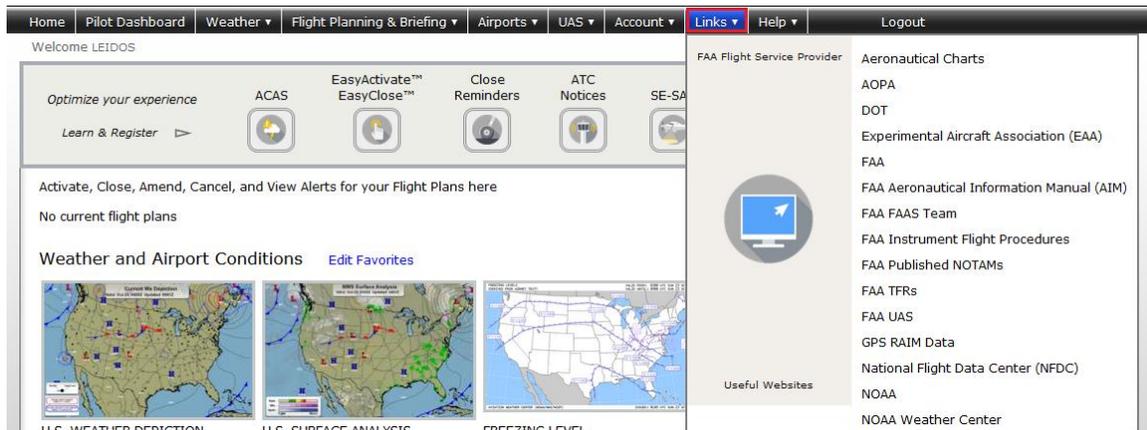
g. Change Username

Reference section **Change Username**

12. Links

Hovering over Links in the menu bar, causes a drop-down to appear. It contains the links shown below.

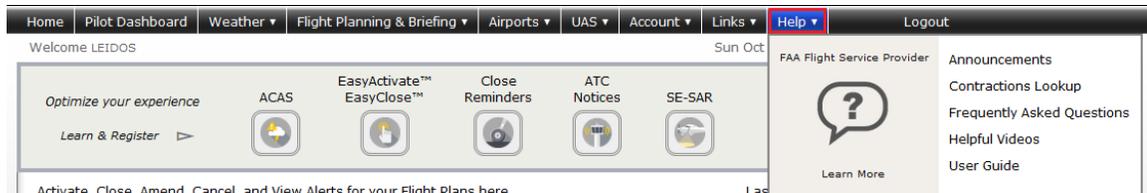
- a. Aeronautical Charts
- b. AOPA
- c. DOT
- d. FAA
- e. FAA FAAS Team
- f. FAA Instrument Flight Procedures
- g. FAA Published NOTAMs
- h. FAA TFRs
- i. FAA UAS
- j. GPS RAIM Data
- k. NOAA
- l. NOAA Weather Center



13. Help

Hovering over Help in the menu bar causes a drop-down menu to be displayed. It contains the links shown below.

- a. Announcements
- b. Contractions Lookup
- c. Frequently Asked Questions
- d. Helpful Videos
- e. 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:

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

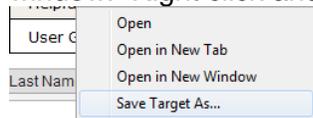
Weight Classes

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

SSS

- 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



14. Logout



To log out, click “Logout” at the far right of the menu bar. If you are not logged in, “Logout” does not appear in the menu bar.