# 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.

©2020 🏞 leidos 🛛 Privacy St	atement User Disclaimer	Contact Us Request Help or Submit Feedback	SAFETY - EFFICIENCY - INNOVATION	(f) 🖸 🏏 🕨
		1800wxbrief.com Help	/ Feedback	
Answering your question contact information if yo			your ideas for improving 1800wxbrief.co	m. Please include
Name:				
Email Address:				
Phone Number:				
Date / Time of Problem:	MM/DD/YYYY	HHMM		
Aircraft ID:				
* Please provide your co	mments or questio	ons below:		
* Confirm image text be	ow:			
1.				
F072	bbnf			
Cannot read the image? Text is case-insensitive.	Click it to get a ne	ew one.		
* Indicates required fie	ld			
Submit				

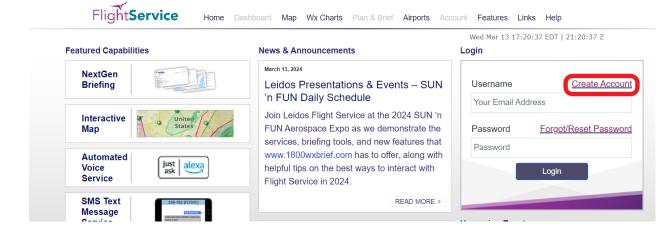
Please perform the following steps to provide feedback.

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

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

#### a. Account Registration

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



Username		Create Account
Your Email Add	dress	
Password	<u>Forgot</u>	Reset Password
Password		
	Login	

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

If you have an existing Leidos Flight Service call-in profile, we combination of the Last Name, Phone Number, and Aircraft ID	will match that profile to this account based on either the Email Address OR the
What is a Leidos Flight Service call-in profile?	
Email Address	Confirm Email Address
Last Name or Organization	Phone Number Mobile V
Aircraft ID_(optional)	Home Base Phone Number
Confirm Image Text Below	
gamaayba	
Cannot read the image? Click it to get a new one. Text is case-insensitive.	
Click here to return to Login page	Create Account

When you are finished creating the new profile, a temporary password will be sent to the email listed on the account. Please be aware that if you do not update the temporary password within 48 hours of the creation time your account will be deleted.

#### b. Login

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

Username	Create Account
Your Email Ad	dress
Password	Forgot/Reset Password
Password	
	Login

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

o Weather

- Airports
- Announcements
- Contractions Lookup

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

- L Thur											
Flight <b>Service</b>	Home	Dashboard	Мар	Wx Charts	Plan & Brief	Airports	Account	Features	Links	Help	Login

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.

FlightService Home	shboard Map Wx Charts	Plan & Brief Airports Ac	count Features Lir	nks Help
Featured Capabilities	News & Announcen	Plan & Brief Pilot History UAS NOTAM Form	Tue Mar 15 14: Login	20:15 EDT   18:20:15 Z
NextGen Briefing	March 27, 2019 New Mobile Web	site	Username	Create Account
Interactive Map		w has a mobile-friendly s ICAO flight planning, and much more.	Your Email Add	Iress Forgot/Reset Password
		READ MORE >	Password	

#### 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.

Username	Create Account
Your Email Add	Iress
Password	Forgot/Reset Password
Password	
	Login

A new temporary 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 temporary 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.

come LEIDOS		Account Holder (User)	15:29:15 Z
	asyActivate™ Close asyClose™ Reminders ATC Notice	Aircraft s SE- Service Provider Authorization Aircraft & Favorite Plan Sharing Change Password	in for improved se
Flight Plans (Activate, Close, Amend, Cancel, and Vie No current flight plans Map Snapshot (click for Interactive Map)	w Alerts here) Weather Charts	Change Username Required Statements Opt-out	29Z 📀

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:	
Save	

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.
OK

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	Change Password
There are errors in the submitted data. Please enter a new 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.	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.
Three incorrect login attempts will lock your account.	I nree incorrect login attempts will lock your account.
* Password:	* Password:
Must be 8 or more characters	At least 3 of 4: uppercase, lowercase, numbers, special characters
* Confirm Password:	* Confirm Password:
Required	Required
Save	Save

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

Change Drawwood	
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:

elcome LEIDOS						Account	Holder (Us	er)	15:	29:15 Z
Optimize your experience Learn & Register 🕞	ACAS	EasyActivate™ EasyClose™	Close Reminders	ATC Notices	SE-	Aircraft	Provider Au & Favorite F Password		e :	improved
Flight Plans (Activate, Close, Ame No current flight plans	nd, Cancel, and	View Alerts here)					Username d Statemen		29Z	9
Map Snapshot (click for Interactiv	e Map)		Wea	ther Charts E	Edit Charl	ts				

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.

nportant: Once you select "Submit", you wi	be logged out of this account.	
	cessed successfully, a temporary password and ess. Please change the temporary password within 48	
Current Username:		
jdoe@email.com		
New Username (Email Address):		
Confirm New Username (Email Address):		
Commine (Email Address).		

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:

Results	
You should receive the test shortly.	message
	ОК

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:

A temporary password and instructions have been sent to your new email address johndoe@email.com. Please change the temporary password within 48 hours to avoid account deletion	Your request to change Userna processed successfully.	me has been
	sent to your new email address johndoe@email.com. Please cl	s hange the temporary

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. Please be aware that if you do not update the temporary password within 48 hours of the username change time your account will be deleted.

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:

Jsername changed succes vas an error while attemp confirmation email.	
or support, please submi using the following form: I	

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:

Results	
There are errors in the submitted d	lata.
	ОК

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

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

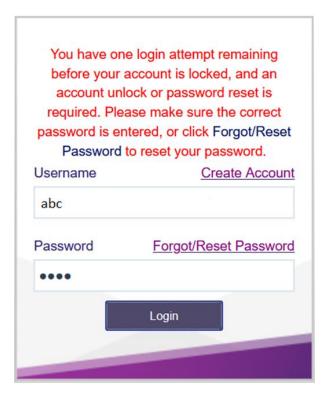
Invalid

#### f. Unlock Your Account

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

Username/F	Password not recognized.
Username	Create Account
abc	
Password	Forgot/Reset Password
•••	
	Login

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



After receiving this message, you must enter the current password correctly on your next login attempt or your account will be locked. Using the "Forgot/Reset" link will change your password and provide a temporary password in an email. Before making your third attempt, you may opt to use the "Forgot/Reset Password" link to change your password to avoid having your account locked. This will result in a new temporary password being sent to you via email.

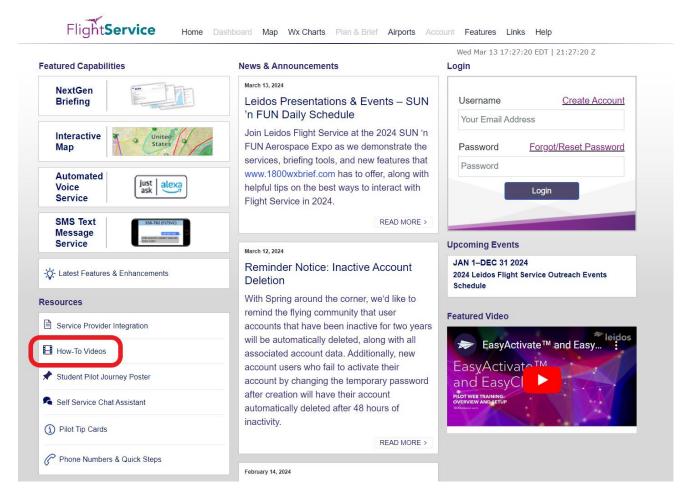
However, if you enter the incorrect password for a third time, your account will be locked and the following message is displayed above the Username field:

been sent with account. Alte	nt is locked. An e-mail has n instructions to unlock your ernatively, you can wait an account to be automatically unlocked.
Username	Create Account
abc	
Password	Forgot/Reset Password
•••••	
	Login

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

## 3. Helpful Videos

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



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 click on the Help & Feedback link in order to access the Request Help or Submit Feedback form per section 1 of this document.

©2020 ᢝ leidos 🛛 Privac	y Statement User Disclain	er Contact Us R	equest Help or Submit Feedback	SAFETY - EFFICIENCY - INNOVAT	rio <b>n</b>	G 🖸 🎽 🕨
	Contact Us					
			gestions, or to reque rm: Help & Feedback			
			eather briefing servic ef (800-992-7433)	es from a Specialist, call		
	Specialist sup	oort is availal	ole 24 hours/day, 7 da	ays/week.		
		.FltScape Se 99.2020-07	~ ~	pw.PilotWeb - Nightly		
					OK	

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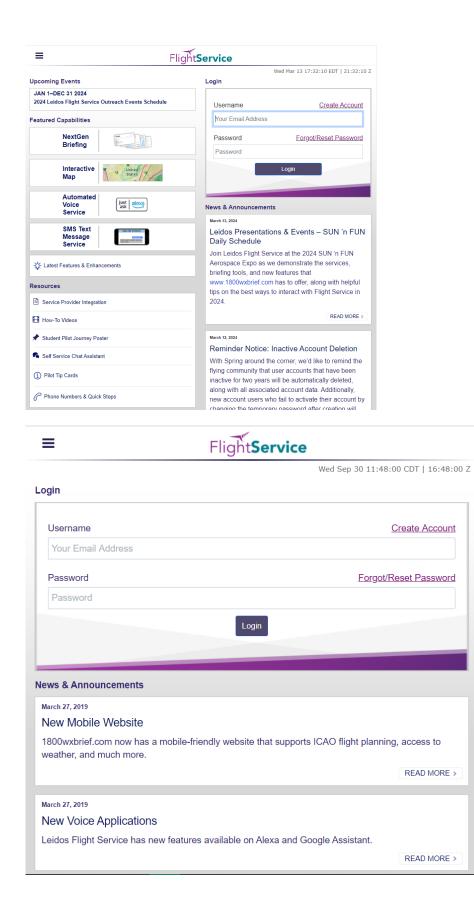
## 5. Home Page

#### a. News and Information

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

NextGen Briefing       Image: Control of the second s	a 13, 2024 dos Presentations & Events – SUN FUN Daily Schedule a Leidos Flight Service at the 2024 SUN 'n N Aerospace Expo as we demonstrate the vices, briefing tools, and new features that w. 1800wxbrief.com has to offer, along with ful tips on the best ways to interact with ht Service in 2024. READ MORE > 12, 2024 minder Notice: Inactive Account lation	Username <u>Create Account</u> Your Email Address Password <u>Forgot/Reset Password</u> Password Login Upcoming Events JAN 1-DEC 31 2024
Automated       Just accord       WW         Automated       Just accord       WW         Service       Just accord       Help         SMS Text       Just accord       Help         SMS Text       Just accord       Help         Service       Just accord       Help         Service       Just accord       Help         Service       Just accord       Help         Service       Service Provider Integration       Help	A Aerospace Expo as we demonstrate the vices, briefing tools, and new features that w.1800wxbrief.com has to offer, along with oful tips on the best ways to interact with ht Service in 2024. READ MORE > 12, 2024 minder Notice: Inactive Account	Password <u>Forgot/Reset Password</u> Password Login Upcoming Events JAN 1-DEC 31 2024
SMS Text Message Service     Image: Comparison of the second	READ MORE > 12, 2024 minder Notice: Inactive Account	JAN 1-DEC 31 2024
Qc Latest Features & Enhancements     De       esources     Witt       Service Provider Integration     acc		
Service Provider Integration acc	letion	2024 Leidos Flight Service Outreach Events Schedule
How-To Videos     ass       Student Pilot Journey Poster     acc       Self Service Chat Assistant     auto	h Spring around the corner, we'd like to ind the flying community that user ounts that have been inactive for two years be automatically deleted, along with all ociated account data. Additionally, new ount users who fail to activate their ount by changing the temporary password r creation will have their account omatically deleted after 48 hours of stivity.	Featured Video

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



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



Here is a graphic of the hamburger menu once opened.

×	Flight <b>Service</b>
Home	
Dashboard	
Мар	
Wx Charts	
Plan & Brief	+
Airports	
Account	+
Features	+
Links	+
Help	+
Logout	
Welcome LEIDOS	Wed Sep 30 11:53:28 CDT   16:53:28 Z

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



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#### 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.

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#### c. System Alerts

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

Receipt of weather or NOTAM data was recently restored so some briefing information may not be accurate or complete. If flying in foreign airspace, information should be secured at the first available opportunity from the country in whose airspace the flight will be conducted. Weather/NOTAM data may not be accurate or complete in areas within or outside of the Continental U.S. due to a loss of incoming data at Tue May 10 02:25:15 Z. A check of conditions prior to departure may be warranted.

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

## 6. Dashboard Page

FlightService Home Dashboard Map Wx Charts Plan & Brief Airports Account Features Links Help Logout

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

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



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

ctivate, Close,	Amend, C	ancel, and	View Alerts for yo	ur Flight I	Plans he	ere		Last updated at 12:24Z	9
Active 🚺		TEST01	KJFK to KLAX	VFR	ETA -	JUL 03 1820 EDT JUL 03 2220 Z	Close	- Select an Action -	Go
proposed		AC123	BOS to SEA	MVFR	ETD -	JUL 03 1500 EDT JUL 03 1900 Z	Activate	- Select an Action -	Go
Briefing		AC123	SFO to SEA	MVFR	SCH -	JUL 04 1500 EDT JUL 04 1900 Z		- Select an Action -	Go

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

Activate	e, Close, Amend,	Cancel, and View Ale	erts for your Flight	t Plans here	Last updated at 15:18Z	9
		cedures have been in Service at 800-WX-		. Please close the flight plan, extend 433).	i the	
Active	AC123	ORD to JFK	VFR ETA -	JUL 07 1044 EDT JUL 07 1444 Z Close	- Select an Action -  Go	

#### a. Flight Plan List

- i. The Flight Plan list is read-only.
- ii. It is displayed in the following order:
  - a) Active flight plans
  - b) Proposed flight plans
  - c) Scheduled email briefs (Reference section Briefing Output for more details)
- iii. The primary sort for the Active Flights list is the ETA column in ascending order. The secondary sort is the ACID in ascending order. The primary sort for the Proposed Flights and Scheduled Email Briefings is the ETD column in ascending order. The secondary sort is the ACID in ascending order.
- iv. The flight plans display the following data (from left to right):
  - a) Flight state: Active, Proposed, or Briefing
  - b) Alerts: An icon is displayed when there are alerts for the flight plan. This is only applicable to active and proposed flight plans.
  - c) Email icon: An email icon is displayed if there are scheduled email briefings associated with the flight plan. A scheduled email briefing can be associated with an active flight plan, proposed flight plan, or other scheduled email briefings. It is matched with another flight plan if it shares the same ACID, Departure, Destination, Route, and ETD.
  - d) ACID: The Aircraft Identifier
  - e) Departure to Destination: The departure point will be displayed, followed by "to", followed by the destination point.
  - f) Flight rule: The flight rule for the flight plan
  - g) ETA or ETD: For active flight plans, the ETA in the user's time zone and UTC time zone will be displayed. For proposed flight plans and scheduled email briefings, the ETD in the user's time zone and the UTC time zone will be displayed.
  - h) Action Button: The Close button is displayed for flights in the active state. When the user clicks the Close button, the system displays the Close confirmation dialog with ok and Po not Close buttons. This helps ensure every opportunity is available to avoid accidentally closing an Active Flight Plan prematurely.

Close Flight Pl	an	
Close	flight plan	TST1 ?
	Ok	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

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

Activate Flight Plan TEST02 ATL	
Activation time must be within +/- 30 minut	es of the current time
Activation Date (MM/DD/YYYY):	06/10/2014
Activation Time (HHMM):	0006 EDT 💌
	Ok Do not Activate

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

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

Proposed	TEST123	KMSP to KPHL	VFR ETD -	Feb 27 1512 CST Feb 27 2112 7	Activate		- Select an Action -	•	Go
				FeD 27 2112 2			- Select an Action - Activate Flight Plan		
Map Snap	<b>shot</b> (click for I	nteractive Map)		Weather Cha	rts Ed	dit Chart	Cancel Flight Plan Briefing & Amend Flight Plan		
							View Alerts & Route on Map		

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

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



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

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

Multiple Scheduled Email Briefings
Select the Scheduled Email Briefing
Dec 01 2201 EDT (Dec 02 0201 Z)
Dec 01 2202 EDT (Dec 02 0202 Z)
Dec 01 2203 EDT (Dec 02 0203 Z)
OK Cancel

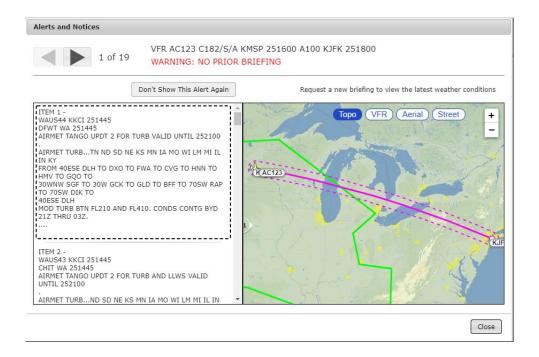
The briefing time for each scheduled email brief is displayed in chronological order. The format for the briefing time is the system time, followed by the UTC time in parenthesis. The user can select one of the times and then press "OK". At this point the appropriate dialog (View & Amend Email Briefing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

#### b. Route Alerts

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

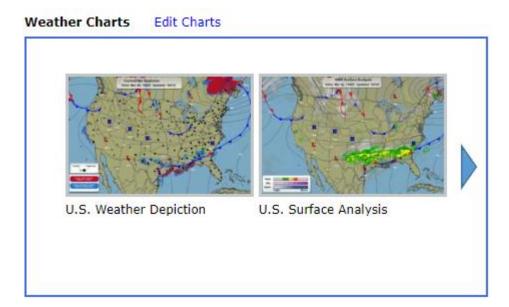
Notices for ATC route changes are available on the Dashboard page for users that have registered to receive ATC Notices. For more information on registering for ATC Notices, see the "Advanced Services Dashboard" section of this guide.

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



#### c. Weather Charts

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



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

Weather Charts	
Chart 1	
Weather Chart Type:	U.S. Weather Depiction
Chart 2	
Weather Chart Type:	U.S. Surface Analysis
Chart 3	
Weather Chart Type:	12 Hr Surface Prog
Chart 4	
Weather Chart Type:	12 Hr Low Level Sig Prog
	Save Cancel

#### Weather Charts pop-up window.

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



The Quick Search section allows location entry of multiple Airport Ids, FRDs and Lat/Longs where METAR, TAF, and D-NOTAM data can be requested on-demand. When entering text into the search bar the search button will be enabled. Once the search button is clicked the Quick Data Results page will open and is displayed showing METAR, TAF and D-NOTAM information based on the selected checkbox type METAR TAF D-NOTAM. Also, as a new user, the METAR, TAF, and D-NOTAM text is shown by default in plain-text translation. Users also have the ability to view the METAR, TAF, and D-NOTAM text without plain-text translation by deselecting the Plain Text checkbox on the data results page.

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

KMSP ABCDEF			Search
METAR	✓ TAF	D-NOTAM	✓ Plain Text
	S IAF	S-NOTAM	
MSP (Density Altitu	de <sup>.</sup> 2147 ft)		
station wi	ith precipitation discriminator peak wind	0 feet, Temperature 22°C, Dewpoint 16°C, Altimete from 040° at 40 knots at 1836Z (13:36 CDT) sea I southeast hourly temp 21.7°C dewpoint 16.1°C	
		DT) until May 14, 0000Z (May 13, 19:00 CDT), Wind fre	om 140° at 13 knots with gusts to 24
ots, greater than 6 statute r	miles visibility, Scattered Clouds at 25,000 f	eet	-
ots, greater than 6 statute r From May 13, 0300Z (Ma Temporary between May	miles visibility, Scattered Clouds at 25,000 f ay 12, 22:00 CDT), Wind from 170° at 11 kr	eet nots, greater than 6 statute miles visibility, Light Showe 13, 0600Z (01:00 CDT), Wind from 170° at 20 knots wi	rs Rain, Ceiling is Broken at 6,000 feel
ots, greater than 6 statute r From May 13, 0300Z (Ma Temporary between May visibility, Thunderstorms	niles visibility, Scattered Clouds at 25,000 f ay 12, 22:00 CDT), Wind from 170° at 11 kr 13, 0300Z (May 12, 22:00 CDT) and May and Light Rain, Ceiling is Broken at 5,000 f	eet nots, greater than 6 statute miles visibility, Light Showe 13, 0600Z (01:00 CDT), Wind from 170° at 20 knots wi	rs Rain, Ceiling is Broken at 6,000 feel th gusts to 40 knots, 3 statute miles
ots, greater than 6 statute r From May 13, 0300Z (Ma Temporary between May visibility, Thunderstorms a From May 13, 1000Z (05	niles visibility, Scattered Clouds at 25,000 f ay 12, 22:00 CDT), Wind from 170° at 11 kr 13, 0300Z (May 12, 22:00 CDT) and May and Light Rain, Ceiling is Broken at 5,000 f :00 CDT), Wind from 190° at 8 knots, great	eet hots, greater than 6 statute miles visibility, Light Showe 13, 0600Z (01:00 CDT), Wind from 170° at 20 knots wi eet Cumulonimbus	rs Rain, Ceiling is Broken at 6,000 feel th gusts to 40 knots, 3 statute miles ,000 feet
ots, greater than 6 statute r From May 13, 0300Z (Ma Temporary between May visibility, Thunderstorms , From May 13, 1000Z (05 From May 13, 1400Z (09 SP 05/131 KMSP Runway (0	miles visibility, Scattered Clouds at 25,000 f ay 12, 22:00 CDT), Wind from 170° at 11 kr 13, 03002 (May 12, 22:00 CDT) and May and Light Rain, Ceiling is Broken at 5,000 f :00 CDT), Wind from 190° at 8 knots, great :00 CDT), Wind from 240° at 11 knots, great	eet hots, greater than 6 statute miles visibility, Light Showe 13, 0600Z (01:00 CDT), Wind from 170° at 20 knots wi eet Cumulonimbus er than 6 statute miles visibility, Ceiling is Broken at 10	rs Rain, Ceiling is Broken at 6,000 feet th gusts to 40 knots, 3 statute miles ,000 feet ,5,000 feet.
nots, greater than 6 statute r From May 13, 0300Z (Ma Temporary between May visibility, Thunderstorms From May 13, 1000Z (05 From May 13, 1400Z (09 SP 05/131 KMSP Runway ( DT) Estimated	miles visibility, Scattered Clouds at 25,000 f ay 12, 22:00 CDT), Wind from 170° at 11 kr 13, 03002 (May 12, 22:00 CDT) and May and Light Rain, Ceiling is Broken at 5,000 f :00 CDT), Wind from 190° at 8 knots, great :00 CDT), Wind from 240° at 11 knots, great 24/22 closed except taxi 30 minute prior pe	eet nots, greater than 6 statute miles visibility, Light Showe 13, 0600Z (01:00 CDT), Wind from 170° at 20 knots wi eet Cumulonimbus er than 6 statute miles visibility, Ceiling is Broken at 10 ater than 6 statute miles visibility, Scattered Clouds at 2	rs Rain, Ceiling is Broken at 6,000 th gusts to 40 knots, 3 statute mil- ,000 feet 25,000 feet. CDT) to Dec 31, 2022 2300Z (18:0

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



From the Quick Search data results page, the user has the ability to refresh the current displayed location information by clicking the *s* button. The user can edit and enter new locations, select plain text translation and type of information to be displayed. Clicking the

Search button then performs the data request. Note that all data types are returned but only the selected data types will be displayed.

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

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

KMSP ABCDEF			Search
Invalid airports: ABCDEF			
METAR	✓ TAF	D-NOTAM	Plain Text
Clouds at station with	18,000 feet, Ceiling is Broken at 25,00 n precipitation discriminator peak wind	s with gusts to 30 knots, 10 statute miles visib 0 feet, Temperature 22°C, Dewpoint 16°C, Altii from 040° at 40 knots at 1836Z (13:36 CDT) s southeast hourly temp 21.7°C dewpoint 16.1°	neter is 29.88. Remarks: automated ea level pressure 1011.4 hectopascals
Clouds at station with CB distant sued May 12, 1736Z (12:36 C	18,000 feet, Ceiling is Broken at 25,000 n precipitation discriminator peak wind northeast towering cumulus distant E- CDT), valid from May 12, 1800Z (13:00 CE	D feet, Temperature 22°C, Dewpoint 16°C, Altii from 040° at 40 knots at 1836Z (13:36 CDT) s southeast hourly temp 21.7°C dewpoint 16.1°( DT) until May 14, 0000Z (May 13, 19:00 CDT), Wir	neter is 29.88. Remarks: automated ea level pressure 1011.4 hectopascals C
Clouds at station with CB distant sued May 12, 1736Z (12:36 C nots, greater than 6 statute mi	18,000 feet, Celling is Broken at 25,00 n precipitation discriminator peak wind northeast towering cumulus distant E- CDT), valid from May 12, 1800Z (13:00 CE les visibility, Scattered Clouds at 25,000 f	D feet, Temperature 22°C, Dewpoint 16°C, Altii from 040° at 40 knots at 1836Z (13:36 CDT) s southeast hourly temp 21.7°C dewpoint 16.1°( DT) until May 14, 0000Z (May 13, 19:00 CDT), Wir	neter is 29.88. Remarks: automated ea level pressure 1011.4 hectopascals d from 140° at 13 knots with gusts to 24
Clouds at station with CB distant sued May 12, 1736Z (12:36 C) nots, greater than 6 statute mi From May 13, 0300Z (May Temporary between May 1	18,000 feet, Celling is Broken at 25,000 n precipitation discriminator peak wind northeast towering cumulus distant E- CDT), valid from May 12, 1800Z (13:00 CD les visibility, Scattered Clouds at 25,000 f 12, 22:00 CDT), Wind from 170° at 11 km	D feet, Temperature 22°C, Dewpoint 16°C, Altii from 040° at 40 knots at 1836Z (13:36 CDT) s southeast hourly temp 21.7°C dewpoint 16.1°C (T) until May 14, 0000Z (May 13, 19:00 CDT), Wir set ots, greater than 6 statute miles visibility, Light Sh (3, 0600Z (01:00 CDT), Wind from 170° at 20 knol	neter is 29.88. Remarks: automated ea level pressure 1011.4 hectopascals d from 140° at 13 knots with gusts to 24 owers Rain, Ceiling is Broken at 6,000 feet

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

Enter ICAO/Domestic Airport IDs	Updated 19:39Z				
KMSP ABCDEF	Search				
Invalid airports: ABCDEF					
METAR	Z TAF	D-NOTAM	Plain Text		
KMSP (Density Altitude: 2147 ft)					
VFR KMSP 121853Z 04019G30KT 10SM FEW018 SCT180 BKN250 22/16 A2988 RMK AO2 PKWND 04040/1836 SLP114 CB DSNT NE TCU DSNT E-SE T02170161					
DSNT E-SE 1021/0161 TAF KMSP 121736Z 1218/1324 14013G24KT P6SM SCT250 FM130300 17011KT P6SM -SHRA BKN060 TEMPO 1303/1306 17020G40KT 3SM -TSRA BKN050CB FM131000 19008KT P6SM BKN100 FM131400 24011KT P6SM SCT250					

#### e. Airport Conditions

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

Airport Conditions Edit Airports					
SFO Area Brief DEN Area Brief JFK Area Brief *Aircraft ID: TEST01 *					
☑ METAR     ☑ TAF     ☑ D-NOTAM     ☑ Plain Text					
SFO (Density Altitude: -23 ft)					
IFR San Francisco International, San Francisco, CA (KSFO). Jun 6, 1456Z (09:56 CDT). Wind from 290° at 16 knots, 10 statute miles visibility, Few Clouds at 400 feet, Ceiling is Broken at 600 feet, Temperature 14°C, Dewpoint 11°C, Altimeter is 30.01. Remarks: automated station with precipitation discriminator sea level pressure 1016.4 hectopascals hourly temp 13.9°C dewpoint 11.1°C 3-hour atmospheric pressure increasing, then steady, or increasing then increasing more slowly by 0.7 hectopascals					
VFR San Francisco International, San Francisco, CA (KSFO). Issued Jun 6, 1128Z (06:28 CDT), valid from Jun 6, 1200Z (07:00 CDT) until Jun 7, 1800Z (13:00 CDT), Wind from 290° at 12 knots, greater than 8 statute miles visibility, Scattered Clouds at 700 feet, Ceiling is Overcast at 4,000 feet					
IFR Temporary between Jun 6, 1200Z (07:00 CDT) and Jun 6, 1500Z (10:00 CDT), 5 statute miles visibility. Mist, Ceiling is Broken at 700 feet					
VFR From Jun 6, 1700Z (12:00 CDT), Wind from 270° at 10 knots, greater than 6 statute miles visibility, Few Clouds at 4,000 feet, Ceiling is Broken at 25,000 feet					
VFR From Jun 6, 2100Z (16:00 CDT), Wind from 280° at 18 knots with gusts to 25 knots, greater than 6 statute miles visibility. Few Clouds at 25,000 feet					
VFR From Jun 7, 0400Z (Jun 6, 23:00 CDT), Wind from 280° at 12 knots, greater than 6 statute miles visibility, Few Clouds at 25,000 feet.					
SFO 06/008 San Francisco International, San Francisco, CA (KSFO) Taxiway D centerline light between taxiway B and runway 10R/28L unserviceable Jun 1, 2022 0719Z (02:19 CDT) to Jul 31, 2022 1300Z (08:00 CDT)					
SFO 05/343 San Francisco International, San Francisco, CA (KSFO) Taxiway A centerline light between report 7 and report 6 unserviceable May 30, 2022 1055Z (05:55 CDT) to Jul 15, 2022 2200Z (17:00 CDT)					
SFO 05/277 San Francisco International, San Francisco, CA (KSFO) Taxiway G IN pavement runway guard light at runway 01R/19L not standard May 25, 2022 1127Z (06:27 CDT) to Jun 30, 2022 2200Z (17:00 CDT)					
SFO 05/276 San Francisco International, San Francisco, CA (KSFO) Taxiway K IN pavement runway guard light between runway 10L/28R and runway 10R/28L not standard May 25, 2022 1119Z (06:19 CDT) to Jun 30, 2022 2200Z (17:00 CDT)					
SFO 05/275 San Francisco International, San Francisco, CA (KSFO) Taxiway V IN pavement runway guard light between taxiway E and taxiway L not standard May 25, 2022 1115Z (06:15 CDT) to Jun 30, 2022 2200Z (17:00 CDT)					
SFO 05/274 San Francisco International, San Francisco, CA (KSFO) Taxiway M centerline light between runway 01R/19L and taxiway L not standard May 25, 2022 1114Z (06:14 CDT) to Jun 30, 2022 2200Z (17:00 CDT)					
SFO 05/273 San Francisco International, San Francisco, CA (KSFO) Taxiway C IN pavement runway guard light between runway 01L/19R and runway 01R/19L not standard May 25, 2022 1027Z (05:27 CDT) to Jun 30, 2022 2200Z (17:00 CDT)					
SFO 05/260 San Francisco International, San Francisco, CA (KSFO) Taxiway Z direction markings between taxiway Q and taxiway R not standard May 24, 2022 0746Z (02:46 CDT) to Jun 30, 2022 2200Z (17:00 CDT)					
SFO 05/208 San Francisco International, San Francisco, CA (KSFO) Taxiway T centerline markings between runway 10R/28L and taxiway B not standard May 18, 2022 19222 (14:22 CDT) to Jul 1, 2022 22002 (17:00 CDT)					
SFO 05/207 San Francisco International, San Francisco, CA (KSFO) Taxiway K centerline markings between runway 10R/28L and taxiway A not standard May 18, 2022 1920Z (14:20 CDT) to Jul 1, 2022 2200Z (17:00 CDT)					
SFO 05/150 San Francisco International, San Francisco, CA (KSFO) Taxiway L centerline light between taxiway F and taxiway G unserviceable May 12, 2022 1056Z (05:56 CDT) to Jun 30, 2022 1800Z (13:00 CDT)					
SFO 05/128 San Francisco International, San Francisco, CA (KSFO) Taxiway E centerline light between runway 10L/28R and taxiway C unserviceable May 10, 2022 1253Z (07:53 CDT) to Jun 30, 2022 2200Z (17:00 CDT)					
SFO 05/058 San Francisco International, San Francisco, CA (KSFO) Taxiway E surface painted holding position signs between taxiway C and taxiway V not standard May 4, 2022 1338Z (08:38 CDT) to Jun 30, 2022 2200Z (17:00 CDT)					
SFO 04/291 San Francisco International, San Francisco, CA (KSFO) Obstruction crane (Aeronautical Study Number 2021-AWP-3573-NRA) 373650N1222307W (0.5 nautical miles west-south-west SFO) 361 feet (350FT above ground level) flagged Apr 26, 2022 1402Z (09:02 CDT) to May 11, 2023 0100Z (May 10, 20:00 CDT)					
SFO 04/290 San Francisco International, San Francisco, CA (KSFO) Obstruction crane (Aeronautical Study Number 2021-AWP-3572-NRA) 373653N1222308W (0.5 nautical miles west-south-west SFO) 360 feet (350FT above ground level) flagged Apr 26, 2022 1402Z (09:02 CDT) to May 11, 2023 0100Z (May 10, 20:00 CDT)					

You may change the airports to your own personal selection by clicking the Edit Airports link on the Dashboard page and selecting the airports in the Airports for METARs, TAFs and D-NOTAMs pop-up window. You may select up to three airports to display by typing their identifiers in the text entry boxes or searching for them using the <sup>P</sup> icon next to the field.

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

Airports for METARs, TAFs, and D-NOTAMs		
Airport 1:	BWI	٩
Airport 2:	FDU	م
Airport 3:	APF	م
		Save Cancel

### Airports/Heliports search dialog

WASHINGTON STATE   Exact Match Search						
ID 🔺	TYPE 🔶	NAME 🔺	LAT/LONG 🗢	CITY, STATE	▲ ARTCC ♦	FSS 🗢
CDCT	AIRPORT	DAVIESS COUNTY	38421008708W	WASHINGTON, IN	ZID	HUF
KFYG	AIRPORT	WASHINGTON RGNL	3835N09100W	WASHINGTON, MO	ZKC	STL
KHEF	AIRPORT	MANASSAS RGNL/HARRY P DAVIS FD	3843N07731W	WASHINGTON, DC	ZDC	DCA
KHIE	AIRPORT	MOUNT WASHINGTON RGNL	4422N07133W	WHITEFIELD, NH	ZBW	BGR
KIAD	AIRPORT	WASHINGTON DULLES INTL	3857N07728W	WASHINGTON, DC	ZDC	DCA
KIIY	AIRPORT	WASHINGTON/WILKES COUNTY	3347N08249W	WASHINGTON, GA	ZTL	MCN
(JPN	HELIPORT	PENTAGON AHP	3852N07703W	WASHINGTON, DC	ZDC	DCA
<b>-</b>						

#### f. System Alerts

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

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

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

## 6.1. Advanced Services Dashboard

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

Optimize your experience Learn & Register  ▷	ACAS	EasyActivate™ EasyClose™	Close Reminders	ATC Notices	SE-SAR	Preflight Summaries	Provide information for improved service My Aircraft
---	------	-----------------------------	--------------------	-------------	--------	------------------------	--

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

#### a. ACAS: Adverse Condition Alerting Service

cking on	the ACA		will c	pen a dial	og as follows:			
	ACAS: Adverse Condition Alerting Service							
and Emai	The ACAS service will send alert messages to the Position Reporting and Communications Devices, Text Message Phone Numbers, and Email Addresses you select below, when adverse conditions arise along your planned route of flight. Read More +							
Select P	Products to receiv	ve Alerts on:						
г 🔽 т	emporary Flight	Restrictions (TFR)		🗹 G-AIRI	METs / AIRMETs (WA)			
	Airport/Runway C				Pilot Reports (UUA) / Special AIREPs (ARS)			
🗹 s	SIGMETs (WS)			Severe	Weather Watches (AWW)			
Image: Contract of the second seco	Convective SIGM	ETs (WST)		Severe	Weather (WW)			
Image: Contract of the second seco	Center Weather A	dvisories (CWA)						
🔤 🗹 ι	JAS Operating A	reas (UOA) within 2,0	000 ft of the filed	altitude or 10nm of t	the departure or destination			
	Do not send alerts for conditions more than 4,000 ft above my filed altitude     Do not send alerts for conditions that begin more than 2 hours past my calculated arrival time     Send a message 5-60 minutes prior to ETD if no new Adverse Conditions were detected							
Registr	ation Status: Re	egistered						
Alert m	essages will be	sent to the devices	and contacts e	entered below				
	d from My es & Contacts	Add Text Phone Number	Add Email Address	Add Portable Device	Device Information			
No de	vices or contact	ts are currently regi	stered.					
Torms of	Service				OK Cance			

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

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

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

ACAS: Adverse Condition Alerting Service

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

#### Read Less -

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

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

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

Select Products to receive Alerts on:					
Temporary Flight Restrictions (TFR)	G-AIRMETS / AIRMETS (WA)				
Airport/Runway Closures (AA)	Urgent Pilot Reports (UUA) / Special AIREPs (ARS)				
SIGMETs (WS)	Severe Weather Watches (AWW)				
Convective SIGMETs (WST)	Severe Weather (WW)				
<ul> <li>Center Weather Advisories (CWA)</li> </ul>					
UAS Operating Areas (UOA) within 2,000 ft of the filed altitude or	10nm of the departure or destination				
Start sending alerts 24 minutes prior to ETD					
Do not send alerts for conditions more than 4,000 ft above my file	ed altitude				
Do not send alerts for conditions that begin more than 2 hours particular to the send alerts for conditions that begin more than 2 hours particular to the send alerts for conditions that begin more than 2 hours particular to the send alerts for conditions that begin more than 2 hours particular to the send alerts for conditions that begin more than 2 hours particular to the send alerts for conditions that begin more than 2 hours particular to the send alerts for conditions that begin more than 2 hours particular to the send alerts for conditions that begin more than 2 hours particular to the send alerts for conditions that begin more than 2 hours particular to the send alerts for conditions that begin more than 2 hours particular to the send alerts for conditions that begin more than 2 hours particular to the send alerts for conditions that begin more than 2 hours particular to the send alerts for conditions that begin more than 2 hours particular to the send alerts for conditions that begin more than 2 hours particular to the send alerts for conditions that begin more than 2 hours particular to the send alerts for conditions that begin more than 2 hours particular to the send alerts for conditions that begin more than 2 hours particular to the send alerts for conditions to the send alerts for conditions that begin more than 2 hours particular to the send alerts for conditions to the send alerts for conditin	st my calculated arrival time				
Send a message 5-60 minutes prior to ETD if no new Ad	verse Conditions were detected				
Registration Status: Registered					
Alert messages will be sent to the devices and contacts entered b	elow				
Add from My Devices & Contacts Add Text Phone Number Add Email Address Device Device Information					
No devices or contacts are currently registered.					

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

Select i	Products to receive Alerts on.				
	Temporary Flight Restrictions (TFR)	✓	G-AIRMETs / AIRMETs (WA)		
✓ .	Airport/Runway Closures (AA)	<	Urgent Pilot Reports (UUA) / Special AIREPs (ARS)		
✓	SIGMETs (WS)	✓	Severe Weather Watches (AWW)		
✓	Convective SIGMETs (WST)	✓	Severe Weather (WW)		
<ul> <li>Image: A second s</li></ul>	Center Weather Advisories (CWA)				
<	UAS Operating Areas (UOA) within 2,000 ft of the filed altitude or 10nm of the departure or destination				

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

ACAS: Adve	rse Condition Ale	ting Service					
	The ACAS service will send alert messages to the Position Reporting and Communications Devices, Text Message Phone Numbers, and Email Addresses you select below, when adverse conditions arise along your planned route of flight.						
Read More +							
Select Products to recei	Select Products to receive Alerts on: Please select at least one product						
Temporary Flight	Restrictions (TFR)		G-AIRN	//ETs / AIRMETs (WA)			
Airport/Runway (	Closures (AA)		Urgent	Pilot Reports (UUA) / Special AIREPs (ARS)			
SIGMETs (WS)			Severe	Weather Watches (AWW)			
Convective SIGN	IETs (WST)		Severe	Weather (WW)			
Center Weather	Advisories (CWA)						
UAS Operating A	reas (UOA) within 2,	000 ft of the filed a	ltitude or 10nm of th	he departure or destination			
Do not send alerts for conditions more than 4,000 ft above my filed altitude     Do not send alerts for conditions that begin more than 2 hours past my calculated arrival time     Send a message 5-60 minutes prior to ETD if no new Adverse Conditions were detected  Registration Status: Not Registered  Alert messages will be sent to the devices and contacts entered below  Add from My Devices & Contacts Phone Number Add Email Add Portable Device Device Information							
spidertracks	~	1234567890123	45	Help Remove Test Message			
Preflight Aler	ts 🗹 Inflight	Alerts		OK Cancel			

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

Start sending alerts 120 minutes prior to ETD

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

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

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

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

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

Send a message 5-60 minutes prior to ETD if no new Adverse Conditions were detected

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



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

☑ Send a message 40	minutes prior to ETD if no new Adverse Conditions were detected		
Value must be less than value used for alert start time			

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

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

Service Providers Supporting ACAS
Device Notes:
<ul> <li>To receive alerts with a device installed in an aircraft, please first add it at My Aircraft</li> <li>To receive alerts with an Iridium phone, please use "Add Text Phone Number" in the registration box (Format: 8816 XXX XXXX)</li> </ul>
The following service providers provide Position Reporting and Communications Devices that support the ACAS service.
SkyConnect spidertracks Garmin inReach (DeLorme)
Please contact service providers directly to learn more about their products supporting ACAS.
ОК

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

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

Add from My Devices & Contacts			
Select devices and contacts to include:			
spidertracks	123456789012345		
(123) 345-4567			
test@leidos.com			
	OK Cancel		

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

Add from My Devices & Contac	cts
Select devices and contacts to incl	ude:
🗹 spidertracks	123456789012345
(123) 345-4567	
🗹 test@leidos.com	
	OK Cancel

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

egistration Status lert messages will			tacts entered bel	ow	
Add from My Devices & Contacts	Add Text Phone Number	Add Email Address	Add Portable Device	Device Information	
(703) 555-1234				Remove	Test Message
🗹 Preflight Ale	erts 🗹 Inflig	ht Alerts			
est@leidos.com				Remove	Test Message
🗹 Preflight Ale	erts 🗹 Inflig	ht Alerts			
ns of Service					OK Cance

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.

	Add	Text
2	100001011	Margan In a se

Phone Number 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.

nter Phone Number		Remove	Test Message
Preflight Alerts	Inflight Alerts		

Add Email Address

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
Preflight Alerts	🔽 Inflight Alerts		

Add Portable Device 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 🔹	Enter Device ID	Help	Remove	Test Message
	Inflight Alerts			
Garmin inReach (DeLorme)				
SkyConnect	ns more than 4000 ft above my filed a	ltitude		
spidertracks				

#### When a device provider is selected, the "Help" button will become enabled.

Garmin inReach (DeLorme) 🔻	]	Enter Device ID	Help	Remove	Test Message
Preflight Alerts	Infl	ight 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.

Error
There are errors in the submitted data.
ок

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

Garmin inReach (DeLorm	e) ▼ 123	Help	Remove	Test Message
🖉 Preflight Alerts	Invalid 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.

Confirmation	
Your ACAS service registration has be applied to your future flight plan	
	ОК

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<sup>™</sup> and EasyClose<sup>™</sup>

yActivate™ syClose™

Clicking on the EasyActivate<sup>™</sup> EasyClose<sup>™</sup> icon will open a dialog as follows:

EasyActivate™ and EasyClose™
The EasyActivate <sup>™</sup> and EasyClose <sup>™</sup> 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.
For U.S. Phone Numbers: Text HELP to 240-883-5487 for help. Text STOP to 240-883-5487 to cancel. For Canadian Phone Numbers: Text HELP to 855-934-1409 for help. Text STOP to 855-934-1409 to cancel.           Registration Status: Registered       Image: Comparison of the contact of the con
No contacts are currently registered.
Terms of Service OK Cancel

The EasyActivate<sup>™</sup> EasyClose<sup>™</sup> 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<sup>™</sup> EasyClose<sup>™</sup> service.

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

Add from

Add from My Contacts	
Select contacts to include:	
(123) 345-4567	
test@leidos.com	
	OK Cancel

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

Add from My Contacts	
Select contacts to include:	
(123) 345-4567	
☑ test@leidos.com	
	OK Cancel

Pressing the "OK" button will close the "Add from My Contacts" dialog. The selected contacts will be displayed in the main EasyActivate<sup>™</sup> EasyClose<sup>™</sup> dialog.

cooldgeo min c	e sent to the con	ntacts entered below		
Add from My Contacts	Add Text Phone Number	Add Email Address		
(123) 345-45	67		Remove	Test Messag
test@leidos.co	om		Remove	Test Messag

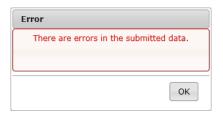
Clicking on the "Remove" button will remove the contact row.

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 Wi Phone Number row. A valid phone number must be provided to s	ll display a successfull	
Enter Phone Number	Remove	Test Message
Clicking on the "Add Email Address" button 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<sup>™</sup> EasyClose<sup>™</sup> 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 EasyActivate<sup>™</sup> EasyClose<sup>™</sup> dialog will close and a Confirmation dialog will popup.

Confirmation	
Your EasyActivate™/EasyClose™ service registration has been updated and will be applied to your future flight plans.	
ОК	

Selecting "OK" will close the Confirmation dialog.

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

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

EasyActivate\*\* EasyClose\*\*

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.

Close Reminders

#### 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 De Phone Numbers, and Email Addresses you select below, if your flight plan has not been closed at 20 minutes af of Arrival.		
For destination airports outside of the Leidos Flight Service coverage area (CONUS, Hawaii, Puerto Rico, US V Guam), we will not send any Close Reminders because we are not informed whether the flight plan is closed will 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 XXXX) View a list of device providers supporting Flight Plan Close Reminders.		
Leidos Fit Svc will send messages to the Text Message Phone Numbers you select below (1 msg/Flight). Standard text message rates may apply. For U.S. Phone Numbers: Text HELP to FLTSVC (358-782) for help. Text STOP to FLTSVC (358-782) to cancel For Canadian Phone Numbers: Text HELP to 855-934-0038 for help. Text STOP to 855-934-0038 to cancel.		
Registration Status: Registered		
Messages will be sent to the devices and contacts entered below		
Add from My         Add Text         Add Email         Add Portable           Devices & Contacts         Phone Number         Address         Device		
No devices or contacts are currently registered.		
Terms of Service	ОК	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 Close Reminders service.

will open a help video on how to register for the

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

Service Providers Supporting ACAS	
The following service providers provide Position Reporting and Communications Devices that support the ACAS service.	
SkyConnect spidertracks Garmin inReach (DeLorme)	1
Please contact service providers directly to learn more about their products supporting ACAS.	-
ОК	ŀ

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

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

Add from My Devices & Contacts	
Select devices and contacts to include:	
spidertracks	123456789012345
(123) 345-4567	
test@leidos.com	
	OK Cancel

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

Add from My Devices & Contacts	
Select devices and contacts to include:	
spidertracks	123456789012345
(123) 345-4567	
🗹 test@leidos.com	
	OK Cancel

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

ssages will be sent	t to the devices	and contacts	entered below		
Add from My evices & Contacts	Add Text Phone Number	Add Email Address	Add Portable Device		
spidertracks 🗸	12345678901	12345	Help	Remove	Test Message
est@leidos.com			×	Remove	Test Message

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

Clicking on the "Add Text Phon Phone Number row. A valid pho	e Number" button		ay a blank sfully register.
Enter Phone Number		Remov	e Test Message
Clicking on the "Add Email Add A valid email address must be p		will display a blar	nk Email row.
Enter Email Address		Remove	e Test Message
Clicking on the "Add Portable D device row. A valid device prov		will display a b	lank portable
Select Type 💌 Enter Device ID		Help	Remove Test Message
····			

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

Garmin inReach (DeLorme)	Enter Device ID	Help	Remove	Test Message
🕑 Preflight Alerts 🛛 🖉	Inflight Alerts			

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

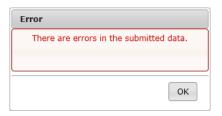


To receive alerts for Garmin devices, the user can provide a Garmin/Iridium phone number.

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.

311	Remove	Test Message
Invalid		
abcd	Remove	Test Message
Invalid		

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.

ATC Notices

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

#### d. ATC Notices

Clicking on the ATC Notices icon

will open a dialog as follows:

ATC Notices	
The ATC Notices service will send messages to the phone numbers and email addresses you select below where the soccurs: (a) Your filed flight plan has been accepted by ATC (b) An ATC change to your flight plan's route is detected	ien any of these
If this change is detected early enough, the text message or email you receive will include an "EasyAmend" or amend your flight to the ATC assigned routing.	ption to easily
Amending your flight plan increases the likelihood of being "Cleared as Filed" by the ATC. However, IFR clear determined by ATC and circumstances may not always allow "Cleared as Filed" even with this amendment.	ances are
Leidos Fit Svc will send messages to the Text Message Phone Numbers you select below (Variable msgs/Flig Standard text message rates may apply. For U.S. Phone Numbers: Text HELP to 240-883-5487 for help. Text STOP to 240-883-5487 to cancel. For Canadian Phone Numbers: Text HELP to 855-934-0038 for help. Text STOP to 855-934-0038 to cancel.	ht).
Note: Service available for IFR, MIFR, and YFR flight rules.	
Registration Status: Registered	
Messages will be sent to the contacts entered below       Add from My Contacts     Add Text Phone Number         Add ress	
No contacts are currently registered.	
Terms of Service	Cancel

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

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

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

Add from

Add from My Contacts	
Select contacts to include:	
(123) 345-4567	
test@leidos.com	
	OK Cancel

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

Add from My Contacts	
Select contacts to include:	
(123) 345-4567	
☑ test@leidos.com	
	OK Cancel

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

Registration S	tatus: Not Regist	ered			
Messages will	be sent to the cor	tacts entered below	1		
Add from My Contacts	Add Text Phone Number	Add Email Address			
test.user@lei	idos.com			Remove	Test Message
123-123-123	4			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 contact in the row.

Clicking on the "Add Text Phone Number" but Phone Number row. A valid phone number n	utton Pho	<sup>ne Number</sup> will display rovided to success	•
Enter Phone Number		Remove	Test Message
Clicking on the "Add Email Address" button A valid email address must be provided.	Add Email Address	will display a blan	k Email row.
Enter Email Address		Remove	Test Message

Clicking on the "OK" button will submit the changes made to the ATC Notices registration.

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

Error
There are errors in the submitted data.
ок

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.

Confirmation	
Your ATC Notices service registration has be and will be applied to your future flight plans	
	ОК

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:

ATC Notice:

(

()

SE-SAR: SU	urveillance Enhanced Search And Rescue	
position reports sent by	eidos Flight Service area (CONUS, HAWAII, Puerto Rico, US Virgin Islands, and Guam), the SE-SAF y the service providers of the Position Reporting and Communications Devices you select below. Ple , SAR responsibility is immediately transferred to the foreign destination flight service statior	ease note, for flights with
	our device, when no movement is detected or when an emergency signal is received, this service wild send alert messages to the Position Reporting and Communications Devices, Text Message Phone below.	
For information regardi	ing SE-SAR service for flights departing or arriving from a non-LFS service area, click here.	
(a) Enter at least one (b) Set up with your s	this service, you must complete these two steps: device below. service providers to send position reports to LFS, then select the confirmation checkbox belo ease use "Help" button available for your device.	w.
To receive alerts (Format: 8816 X SPOT device do	ice with a device installed in an aircraft, please first add it at My Aircraft. with an Iridium phone, please use "Add Text Phone Number" below. XX XXXXX) es not support receiving alerts. vice providers supporting SE-SAR. Contact providers for details on specific SE-SAR features suppor	ted.
Standard text message For U.S. Phone Number	d messages to the Text Message Phone Numbers you select below (Variable msgs/Flight). e rates may apply. ers: Text HELP to FLTSVC (358-782) for help. Text STOP to FLTSVC (358-782) to cancel. Numbers: Text HELP to 855-934-0038 for help. Text STOP to 855-934-0038 to cancel.	
Registration Status: (	Confirmation Required CONFIRMATION: I have set up with my service providers to send position reports to LFS	
	be monitored for the devices entered below. be sent to the contacts and applicable devices entered below.	
Add from My Devices & Contacts	Add Text Add Email Add Portable Phone Number Address Device	
No devices or conta	acts are currently registered.	

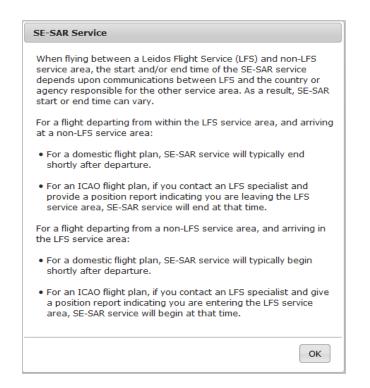
Terms of Service

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

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

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

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



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

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



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

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

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

Add from My Devices & Contacts		
Select devices and contacts to include:		
☑ SpiderTracks	123456789012345	
13245678910		
🗹 pilot1@lmco.com		
		OK Cancel

456789012345	5
456789012345	5
	OK Cancel

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

Registration Status:			up with my s	service providers to se	nd position rep	orts to LFS	
Position reports will Alert messages will							
Add from My Devices & Contacts	Add Text Phone Number	Add Email Address	Add Portab Device	e			
spidertracks 🗸	12345678901	2345		✓ Receive Alerts	Help	Remove	Test Message
test@leidos.com						Remove	Test Message

Clicking on the "Remove" button will remove the contact row.

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

For Garmin inReach (DeLorme), spidertracks, and SkyConnect devices, the user can choose to receive alerts by selecting the checkbox.

choose to receive alerts by selecting the checkbox.	Receive Alerts

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

Enter Phone Number	Remove	Test Message
--------------------	--------	--------------

Clicking on the "Add Email Address" button A valid email address must be provided.	Add Email Address	will display a	blank En	nail row.
Enter Email Address		Re	move	est Message
Clicking on the "Add Portable Device" button device row. A valid device provider and device		will displa	•	portable
Select Type  Enter Device ID		He	lp Remove	Test Message
When a device provider is selected, the "Hel	lp" buttor	n will become e	enabled.	

Garmin inReach (DeLorn	e)  Enter Device ID	Help	Remove	Test Message
Preflight Alerts	Inflight Alerts			

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

<b>Note:</b> The instructions below apply to devices branded as Garmin inReach or DeLorme (now part of the Garmin family).	
Device ID Help	
Device ID includes both the IMEI (15 digits) and the Authorization Code (5 digits), which can be found from the Garmin inReach device. Find the "Settings" or "Setup" menu item on your inReach device and look for an "About" or similar sub-section.	
Format: 15 digits + dash + 5 digits (example: 123456789012345-12345)	
SE-SAR Registration Help	
For SE-SAR to work with your Garmin inReach device, you must first authorize Garmin to send position reports to Leidos Flight Service.	
<ol> <li>Login to your Garmin inReach account.</li> <li>Select the Account tab and scroll down to the Position Reporting section.</li> <li>Select the Flight Service checkbox.</li> </ol>	
Additional Support	
Go to Garmin inReach website	

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

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

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

Error	
At least one device must b	e entered.
	ок

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.

Confirmation	
Your SE-SAR service registration has been will be applied to your future flight plans.	updated and
	ОК

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.' SE-SAR

-	
Arrest and	
Real County	

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



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.

Preflight Summaries

will open a dialog as follows:

#### f. Preflight Summaries

Clicking on the Preflight Summaries icon

Preflight Activity Summary	
Upon ETD or cancellation of your IFR flight plans, the Preflight Activity Summary service will send messages to the email addresses you select below.	
Upon activation or cancellation of your VFR flight plans, the Preflight Activity Summary service will send messages to the email addresses you select below.	
Activity summaries will provide a chronological listing of all briefing and flight plan actions, along with the source of the action, logged for a particular flight, including: • Briefing requests • Filing • Amending • Activation • Adverse Condition Update • Cancellation Registration Status: <b>Not Registered</b>	
Preflight Summaries messages will be sent to the contacts entered below.	
Add from My Contacts Add Email Address	
Terms of Service OK Cancel	

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

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

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

Add from My Contacts

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.

Add from My Contacts	
Select contacts to include:	
test@leidos.com	
	OK Cancel

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

Add from My Contacts	
Select contacts to include:	
✓ test@leidos.com	
	OK Cancel

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

Registration St	tatus: Not Registered	I		
Preflight Sumn	naries messages will b	e sent to the contacts entere	d below.	
Add from My Contacts	Add Email Address			
test@leidos.c	com			Remove Test Message

Add Email Address

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 A valid email address must be provided. will display a blank Email row.

Enter Email Address	Remove	Test Message

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

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

Error	
There are errors in the submitted data.	
ок	

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 Preflight Summaries dialog will close and a Confirmation dialog will popup.

Confirmation	
Your Preflight Summaries service reg updated and will be applied to your fi	
	ОК

Selecting "OK" will close the Confirmation dialog.

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



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



# 7. Interactive Map

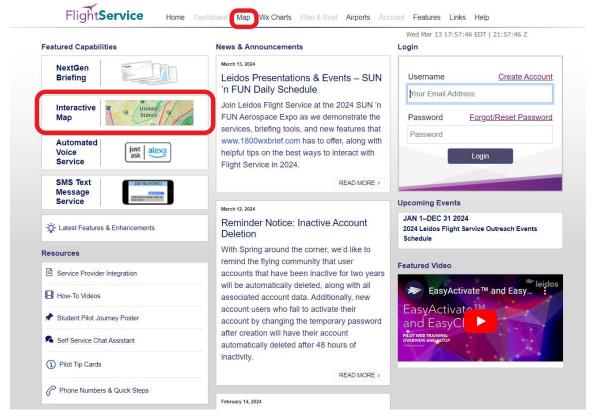
Clicking the Map button in the main menu bar will link to the Interactive Map Page.

FlightService Home Dashboard Map Wx Charts Plan & Brief Airports Account Features Links Help Logout

# 7.1. Interactive Map Page

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

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



#### a. Overview and Basic Functions



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

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

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

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

### Location Search (2)

The search field in the upper left corner of the map window can be used to enter

keywords, locations, or airport identifiers to help locate and center on aeronautically relevant locations. The Search button is disabled until at least two characters are entered. Once a query is entered and the search button is pressed, results are displayed in a dialog and using icons on the map.

		_
	Search Results 🗙	^
\$	PLD PORTLAND MUNI	
\$	TTD PORTLAND-TROUTDALE	
4	PDX PORTLAND INTL	
\$	HIO PORTLAND-HILLSBORO	
4	PWM PORTLAND INTL JETPORT	Ŧ

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 search with Exact Match selected returns only entries that match the input text exactly.

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

## RBL Button (3)

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

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

The latitude and longitude of the center of the map window are displayed in the upper right corner of the map window, along with date and both local and UTC time.

Depending on the horizontal size of the device being used to view the map, this information may be dynamically reduce to the point of showing only UTC time.

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

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

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

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

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

#### Access to Layer Controls (6)

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

#### Pan and Zoom Controls (7)

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

#### Access to Legends (8)

Pressing the **1** 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 **1** icon.

#### b. Additional Functions by Product Selection

#### Details of Layer Controls (9a, 9b, and 9c)

Layer Controls can be toggled between "Weather", "Nav", and "Local" by pressing the Weather, Nav, or Local icon. The selection will be persisted across user sessions. The "CLEAR" button clears only Weather layers when on the "Weather" tab, Airspace

layers when on the "Nav" tab, and LAK layers and Frequencies when on the "Local" tab. When on the "Local" tab, the "What is this?" link is displayed to the right of the "Local Area Knowledge" header. Clicking on the "What is this?" link opens a popup entitled "Local Area Knowledge Information" which explains the LAK layers and Frequencies.

	Local Area Knowledge Information	×
Knowled insight of	exception of government references provided within the material, Area ge Information is a collection of data gathered from the experiences and Flight Service Specialists. Area Knowledge Information is limited to and from the following functions of the Interactive Map.	
Procedu Weather	Topography and aviation hazards. <b>res:</b> Airspace procedures and FAA regulations. : Weather specific to land features. <b>cies:</b> Flight Service frequencies for the entire country, as well as ATC ies.	
	er layer controls (9a) include controls for weath	

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

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

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

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

- Radar (NEXRAD Precipitation)
- Satellite (Cloud Imagery)

Graphical Forecasts for Aviation data includes the following, can only be displayed one product at a time, and cannot be displayed at the same time as Weather Imagery:

- Ceiling & Visibility
- Clouds



- Precipitation
- Winds
- Turbulence
- Icing

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

The Overlay Data, Weather Imagery, Graphical Forecasts for Aviation, and Miscellaneous section headers include an arrow button to their right. Clicking on these arrows will collapse or expand that section of the menu. By default, all sections are expanded.

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

- MTRs (Military Training Routes)
- SUAs (Special Use Airspaces)

MTRs and SUAs layers can be displayed simultaneously.

The Airspace section header includes an arrow button to its right. Clicking on this arrow will collapse or expand the Airspace section. By default, all sections are expanded.

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

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

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



CLEAR Layer Controls Weather Nav Local	<b>X</b> 9c
Local Area Knowledge	at is this?
General Topography and Aviation Hazards	
Procedures Airspace Procedures and FAA Regulations Pilots: This is not an exhaustive list.	
Weather Weather Specific to Land Features	
Frequency Radio Frequency	

Frequency layer includes FSS, Center High, Center Low, AWOS and Approach sub layers. Only one frequency sub layer can be displayed at a time. Because of the large

numbers of individual frequencies that exist, only the frequencies for the highest priority airports are shown when the map is zoomed out past a certain level. As the map is zoomed in, additional frequencies for lower priority airports at that location are shown.

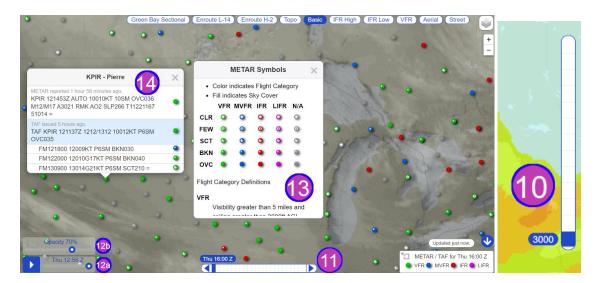
5	
requency adio Frequency	
FSS	0
Center High	
Center Low	
AWOS	
Approach	

Some product types contain multiple sub products that are only

shown when the associated product group is selected. From this expanded selection, sub product layers can be turned on and off individually.

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

The map is configured to refresh layer data every 5 minutes. The amount of time since the last refresh is indicated by text on the lower right hand side of the map. NOTE: When the Single Site Radar layer is enabled, pressing on any site with a radar icon will expose local radar imagery.



#### Flight Level Slider (10)

The Flight Level Slider will appear on the right hand side of the map when certain product layers (Turbulence, Icing, and Winds) 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 3,000 feet.

#### Time Slider (11)

The Time Slider will appear on the bottom middle portion of the map when certain product layers (METARs and TAFs, TFRs, AIRMETs, Ceiling & Visibility, Clouds, Precipitation, Winds, Icing, and Turbulence) 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 (12a)

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.

#### Opacity Slider (12b)

The Opacity Slider appears on the bottom left corner of the map when either the Radar or Satellite overlay layers are selected. Weather imagery's opacity can be adjusted with the slider control.

#### Full Product Legends (13)

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

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

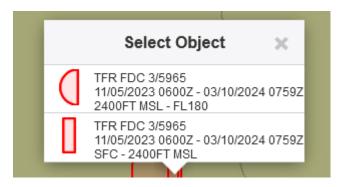
#### **Object Details (14)**

Polygons and icons representing various adverse conditions, Many objects display information as hover-text. 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.

#### TFR Object Selection and Hover Text

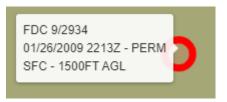
Hover text for TFR is derived from the text of the TFR. Read the full text of the TFR for complete information. The full text of the TFR is shown in a dialog box when pressed.

Each area identified in the TFR is shown separately. When areas overlap or there are more than one TFR scheduled in the same location, hovering over the map shows the object selection dialog. The TFR Outline and the hover text for each area shown.

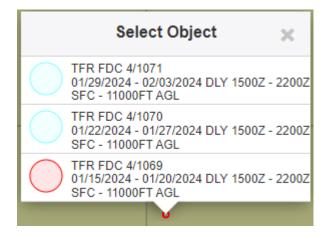


TFR Hover Text may contain up to 3 lines.

- The first line is always present and contains the Issuing Authority and the TFR identifier.
- The second line (if present) contains the schedule for the TFR.
  - The starting date and time will be followed by a hyphen and then the ending date and time.
    - Dates are formatted as month, day, and year separated by an "/"
    - Times are formatted as hours and minutes followed by "Z" to indicate UTC.
    - The ending time may contain "PERM" for permanent or "UFN" for Until Further Notice.



• A daily schedule at the same time each day has "DLY" before the time limits.



• Sunrise (SR) or Sunset (SS) may be used for either starting or ending times.

- The TFR should be checked for precise time limits if this line is missing or contains:
  - "See TFR text for schedule".
- The third line (if present) contains the vertical limits
  - $\circ$   $\;$  The lower limit will be followed by a hyphen and then the upper limit.
  - The limits may be shown as feet (FT) or meters(M) AGL or MSL, or as a Flight Level
  - The lower limit may be SFC for "Surface" and the upper limit may be UNL for "Unlimited"



- The TFR should be checked for precise vertical limits if this line is missing or contains:
  - "See TFR for vertical limits", or
  - "Vertical limits are not available".

#### Winds Aloft Object Selection and Hover Text

Hover text for GFS Winds Aloft is derived from the coordinate points of the GFS Winds Aloft data. The full text of the GFS Winds Aloft can be read for complete information.



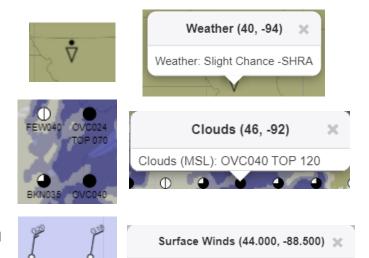
The full text of the GFS Winds Aloft is shown in a dialog box when a grid point of the map is pressed. There are two columns of data. The first Forecast column contains data at the current time to 6 hours in the future. The second Forecast column contains data from 6 hours to 12 hours in the future. There are 8 rows of data each representing a different Altitude. The Altitudes are 050,100, 180, 240, 300, 340, 380, and 440. The data is dislayed in HDGSPDTT format. If data is missing the dialog will display "MISSING" in the appropriate section of the grid.

	Vienes P		- r -	
	GFS Winds Aloft 🛛 🗙			
		0600-1200Z	1200-1800Z	
	050	241019-06	244028+00	
-	100	301029-08	292031-03	
	180	326055-20	303047-19	
	240	326064-32	312059-29	
	300	338079-47	313067-45	
	340	346086-57	315066-56	
3	380	341074-64	315059-65	
1	440	326065-59	311058-59	

#### **GFA Text Layer Objects**

The three GFA text layers (Weather Text, Cloud Text and Winds Text) overlay the map with a set of icons, each of which can be clicked for more information.

The Weather Text popup contains the latitude/longitude coordinates of the reporting station, as well as a description of the clickable icon.



Wind: 18° at 9 kt

Gust: 13 kt

Cloud Text is overlain on the map in a regular grid. Each icon is clickable, and the popup contains the latitude/longitude coordinates of the reporting station, as well as a description of the cloud cover.

Winds Text (Winds Barbs) are displayed in a grid of clickable icons indicating the direction and strength of the wind at the location of the reporting station, and on the surface level, the strength of the gust, described with a G. The

strength of the gust, described with a G. The popup contains the latitude/longitude coordinates of the reporting station, as well as the direction and speed of the wind in knots. On the surface level, it also contains the gust speed in knots.

#### c. Flight Plan Short Form

#### Short Form Options (15)

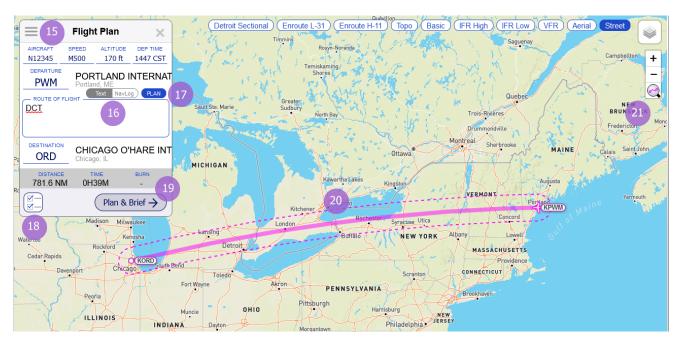
Pressing the  $\equiv$  icon on the Short Form opens a menu containing the options to create a new flight plan and auto-fill airways when applicable.

#### New Flight Plan

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

#### **Auto-fill Airways**

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



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

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

#### Plan (17)

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

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

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

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

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

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

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

#### Zoom to Route (21)

The source of flight is displayed on the map. When pressed, the map will be zoomed and centered on the route of flight.

#### d. Plan a Route

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

Route types:

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

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

# 3834N12105W ▼ VOR Direct (1) 25 OAK HNW SWR ▼ Low Altitude V Airways (1) OAK V6 SAC V392 TI Cancel 26 27 Accept →

SID

▼ GPS Direct (1)

Plan A Route

SFO > RNO

23

► IFR - Recent ATC Assigned (0)

STAR

#### Help Dialog (22)

Selecting the help icon ⑦ will display an overview of each route type as well as equipment code definitions for Coded Departure routes.

#### SID and STAR Selection (23)

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

#### Section Toggle (24)

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

#### Route Quantity (25)

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

#### Cancel Button (26)

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

#### Accept Button (27)

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

#### **Route Type Descriptions**

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

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

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

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

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

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

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

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

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

Equipment Code Definitions:

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

Notes:

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

#### e. Graphical Checklist

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

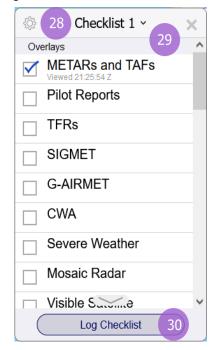
Viewed contents of a checklist can be manually logged to record what was displayed to the user, and when it was displayed.

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

#### **Checklist Editor (28)**

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

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



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

#### **Checklist Selection Dropdown (29)**

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

#### Log Checklist (30)

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

#### f. Range Bearing Line Drawing Mode

When the RBL button is pressed and displayed in blue, the interactive map is in Range Bearing Line (RBL) Drawing Mode. When in RBL Drawing Mode, the cursor is used to draw a line from a selected starting point on the interactive map, along with a ring centered on the selected starting point, to another point on the interactive map dependent on the cursor position while in RBL Drawing Mode, and dynamically display the orientation information for the line/ring being drawn. If an RBL is drawn to a large enough scale, the bearing line will depict a curve. This functionality was added to better reflect the Mercator projection space currently being used for the Map, similar to the route of flight.

#### How to draw RBL

Select the "RBL" button at the top left of the Map to turn on RBL Drawing Mode

 While in RBL Drawing Mode, most map functionality will be disabled, as to
 not interfere with the drawing of the RBL.

b. The cursor turns into a cross-hair to indicate you are in RBL Drawing Mode

2. Left mouse click/press on the map to start drawing an RBL

3. Continue to hold down the left mouse click/press to drag the RBL drawing to a new location

- Releasing the left mouse click/press will end the RBL Drawing Mode

   Standard Map functionality will be re-established
- 5. To draw again, re-select the "RBL" button

a. Range bearing lines/rings can only be drawn one at a time, so the user must select the RBL button for each RBL that they want to draw.

#### How to remove RBL

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

#### RBL Label Format

The orientation information on the RBL label follows this format:

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

1. The NAVAID type and identifier if applicable. Only shows on label if selected starting point contains a NAVAID object within 0.5nm.

2. The range (dddd.dnm), in nautical miles, from the selected starting point to the current cursor position while in RBL Drawing Mode

3. The bearing (AAA°), in degrees from magnetic north, from the selected starting point to the current cursor position while in RBL Drawing Mode

4. The bearing (BBB°), in degrees from magnetic north, from the current cursor position while in RBL Drawing Mode to the selected starting point

#### **Bearing Calculation**

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

#### Station Declination

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

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

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

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

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

#### Magnetic Declination

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

# 8. Wx Charts

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

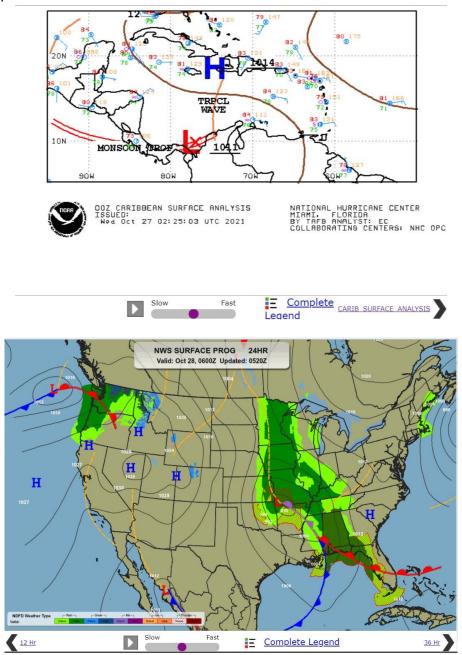
FlightService Home Dashboard Map Wx Charts Plan & Brief Airports Account Features Links Help Logout

Select the desired geographic area via the tabs, then select the specific graphical product within the geographic area. Each area has numerous weather charts available. Clicking on external links on the page such as Area Forecast Discussions will open an external webpage in a separate window. All other links in the list will directly display the selected product in a new window.

CONUS	Alaska/Canada	Hawaii Caribbean/Mexico	Atlantic	Pacific	South America	
Current \	Neather:	700MB Vert Vel Precip:		Severe Weather Outlook:		k:
Surfa	ice Analysis	06 Hr		1 Day		
	ther Depiction	12 Hr		2 Day		
Weat	ther Cameras					
Free	zing Levels	850MB Height Winds	Tomp	Tomac		
Average Relative Humidity		06 Hr		Temps: Today High		
Preci	pitable Water	12 Hr			day Low	
Lifted	d / K Index	24 Hr			morrow High	
		36 Hr			morrow Low	
Surface F	Drogs.	48 Hr		10		
12 H		4011				
24 H		to us whether all for			Summary Charts	:
36 H		12 Hr Winds Aloft:			ONUS	
48 H		FL050/850MB			orth East	
		FL100/700MB FL180/500MB			outh East	
	Sig Progs:	FL180/500MB			orth Central outh Central	
12 H					orth West	
24 H		Jet Stream:			outh West	
2411		12 Hr			Auto West	
	c'	24 Hr				
	Sig Progs:			Other:		
12 H		Millibar Charts:				s from rawinsonde data
24 H	r	FL050/850MB			ecision Support Grap	nics
		FL100/700MB			ea Forecast Discussi	0.00
500MB V		FL180/500MB		~	ea Fulecast Discussi	0115
00 H		FL300/300MB				
06 H		FL340/250MB				
12 H		FL390/200MB				
24 H						
36 H		Thunderstorm Forec	ast:			
48 H	r	12 Hr				
		24 Hr				
700MB H	eight Winds RH:					
06 H		TCF:				
12 H	r	04 Hr				
		06 Hr				
		08 Hr				

The examples below depict some of these various weather products. Additional features in some of these charts include the ability to view the complete legend as well as the ability to scroll through certain charts that are part of a series for a particular category within a region. Some of the charts in the CONUS Tab, Alaska/Canada Tab, Hawaii Tab, Caribbean/Mexico, Atlantic Tab, and Pacific Tab will include animation controls to allow the charts to be scrolled through automatically. When the play button is clicked, each of the charts in the associated list are displayed one after another in time order, starting with the one currently displayed, with a dwell time for each based on the value of the Slow/Fast Gauge. When the play button is selected, it changes to a pause

button. Also, when the play button is selected, the left and right arrows and links will be hidden from display. The Slow/Fast Gauge allows the dwell time of the animation to be adjusted from a minimum of 2 seconds per chart (slid all the way to the left) to a maximum of 10 seconds per chart (slid all the way to the right). The Complete Legend link can be seen at the bottom of the window in the first two examples. Clicking on the link will open a new window showing the full legend. The first two examples below show the slow/fast gauge with the pause and play button. All the examples show the scroll links with arrows on the bottom left and/or right to allow the user to replace the chart with the previous/next in the series of charts.



### 9. Plan & Brief

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

- a. Plan & Brief
- b. Scheduled Flight Plans (Displayed with PSFP access)
- c. Pilot History
- d. UAS NOTAM Form



#### Plan & Brief

The Plan & Brief page allows pilots to:

- Create new flight plans
- Perform area and route briefings
- Generate a navigation log (NavLog)
- Manage favorite flight plans
- Retrieve recent flight plans.

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

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

on the top right of the page

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 Flight Plan button on the bottom right of the page. The new flight plan for the return flight route will switch the

Departure and Destination field, as well as reverse the Route. Please note that some information may be lost due to it no longer being relevant in the return route of the flight.

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

### 9.1. Flight Planning

Each form identifies the required fields to file a flight plan of that type. Some fields have helper dialog which is accessible by clicking on the icon next to the field to assist with searching and selecting the appropriate values. Hovering with the mouse pointer over any field label will provide a summary of general syntax and semantic rules for the field and indicate for which actions the field is required. Clicking the label will provide more detailed information about the field.

a. Domestic Flight Plan Form Validation The syntax validation for the fields and the required minimum fields for additional actions for flight planning and briefing are described in the table below.

Draft     ICAO   Domestic       Recent Flight Plans <ul> <li>Favorite Flight Plans</li> <li>Save as Favorite</li> <li>Save as Favorite</li> <li>Notice: Per FAA Guidance, all civilian flight plans must be filed as ICAO flight plans.</li> </ul>							
Flight Rule     Aircraft ID       V     V	Aircraft Type	Aircraft Equipment	No. of Aircraft	Heavy	<u>Airspeed</u>	Altitude (100s	ft) Optimize
Departure Airport Info Area Brief	Departure Date & Time MM/DD/YYYY HHMM 1-120 Apply Min	Evaluate	Route of Flight (E	Blank for dir	<u>ect</u> )		Map Plan
Destination Airport Info Area Brief	Time Enroute	Fuel on Board	Remarks (Option	<u>1al)</u>			No. on Board
Alternate 1 (Optional) Airport Info Area Brief	Alternate 2 (Optional)	Airport Info Area Brief	Pilot Contact Info	ormation	<u>Ai</u>	ircraft Color	٩
Route Brief     File     NavLog     Return       Flight Plan     Clear							

DOMESTIC FLIGHT PLAN				
Field	Syntax Validation	Required for Actions		
Domestic Flight Plan				
Flight Rule	VFR, IFR, MVFR, or MIFR	<ul> <li>Route Brief</li> <li>File</li> <li>Amend</li> <li>Activate</li> <li>Save Favorite</li> <li>Optimize Altitude</li> </ul>		
Aircraft ID	2-7 alphanumeric characters Example: N0819W     A "Q" will be added to the start of any Aircraft ID that begins with a number. If an Aircraft ID contains 7 characters and begins with a number, the first character will be replaced with a "Q". The originally entered Aircraft ID will be recorded in the Remarks field automatically.	Route Brief     File     Amend     Activate     Dep/Dest/Altn1/Altn2 Area Brief     NavLog     Optimize Altitude     Evaluate Departure Time		
• Aircraft Type	<ul> <li>1 letter followed by 1-3 alphanumeric characters</li> <li>Must be valid aircraft type in Aircraft Type Search Examples: J2, C25A, B738</li> <li>Refer to Domestic Flight Plan Form, Aircraft Type Search for details.</li> </ul>	<ul> <li>File</li> <li>Amend</li> <li>Activate</li> </ul>		
Aircraft Equipment	1 letter     Refer to Domestic Flight Plan Form,     Aircraft Equipment for details.	<ul><li>File</li><li>Amend</li><li>Activate</li></ul>		
No. of Aircraft	1-2 digits     Example: 1	N/A		
Heavy	Aircraft takeoff weights of at least 300,000 pounds	N/A		

DOMESTIC FLIGHT PLAN				
Field	Syntax Validation	Required for Actions		
Airspeed	<ul> <li>Airspeed value "zero" not allowed</li> <li>Knots: 2-4 digits, max of 3700</li> <li>Mach: M followed by 3 digits, max of 500, with an implicit decimal after the first digit (M075 = 0.75 Mach, M200 = 2.00 Mach, M312 = 3.12 Mach)</li> <li>Examples: 50, 100, 130, M100</li> </ul>	Route Brief     File     Amend     Activate     NavLog     Optimize Altitude     Evaluate Departure Time		
• Altitude (100s ft)	<ul> <li>Flight Level: 2-3 digits</li> <li>OTP: OTP</li> <li>OTP and Flight Level: OTP/ followed by 2-3 digits</li> <li>VFR: VFR</li> <li>VFR and Flight Level: VFR/ followed by 2-3 digits</li> <li>ABV and Flight Level: ABV/ followed by 2-3 digits</li> <li>Block Altitude: 2-3 digits followed by B and 2-3 digits Examples: 65, 80, 210, VFR/095</li> <li>Additional Format Rules for Use of Altitude Optimization:</li> </ul>	<ul> <li>Route Brief</li> <li>File</li> <li>Amend</li> <li>Activate</li> <li>NavLog</li> <li>Optimize Altitude</li> <li>Evaluate Departure Time</li> </ul>		
	<ul> <li>IFR, MIFR flights:</li> <li>Flight Level: 20-600</li> <li>ABV and Flight Level: ABV/20- ABV/600</li> <li>OTP and Flight Level: OTP/20- OTP/600</li> <li>VFR and Flight Level: VFR/25- VFR/179</li> <li>VFR, MVFR flights:</li> <li>Flight Level: 25-179</li> <li>ABV and Flight Level: ABV/25- ABV/179</li> <li>OTP and Flight Level: OTP/25- OTP/179</li> <li>VFR and Flight Level: VFR/25- VFR/179</li> </ul>			
	<ul> <li>Additional Format Rules for Use of Evaluate Departure Time:</li> <li>IFR, MIFR, VFR, MVFR flights:</li> <li>Flight Level: 00-999</li> <li>ABV and Flight Level: ABV/00- ABV/999</li> <li>OTP and Flight Level: OTP/00- OTP/999</li> <li>VFR and Flight Level: VFR/01- VFR/179</li> <li>Block Altitude: 00B01-998B999</li> </ul>			
• Departure	<ul> <li>2-5 alphanumeric airport/heliport/navaid (excluding NDB), or waypoint identifier Examples: HGR, KSEA, 9015</li> <li>Refer to Domestic Flight Plan Form, Departure/Destination/Alternates for details.</li> <li>8-12 character latitude/longitude in the format aabb(A)(/)(c)ccdd(B), where parentheses denote optional characters         <ul> <li>aa is degrees latitude in the range 00-90</li> <li>bb is minutes latitude in the range 00-59</li> </ul> </li> </ul>	<ul> <li>Route Brief</li> <li>File</li> <li>Amend</li> <li>Activate</li> <li>Dep Area Brief</li> <li>Save Favorite</li> <li>NavLog</li> <li>Optimize Altitude</li> <li>Plan a Route</li> <li>Evaluate Departure Time</li> </ul>		

DOMESTIC FLIGHT PLAN				
Field	Syntax Validation	Required for Actions		
	<ul> <li>(c)cc is degrees longitude in the range 00-180</li> <li>dd is minutes longitude in the range 00-59</li> <li>(A) is either N or S (North or South, default to N if unspecified)</li> <li>(B) is either W or E (West or East, default to W if unspecified)</li> <li>Example: 4449N/7322W</li> </ul>			
	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> <li>9-11 alphanumeric fix-radial-distance in the format (A)(A)AAAaaabbb, where parentheses denote optional characters         <ul> <li>(A)(A)AAA is 3-5 alphanumeric airport/heliport/NAVAID (excluding NDB)/waypoint identifier</li> <li>aaa is radial measure in degrees from North in the range 001-360</li> <li>bbb is distance in nautical miles in the range 001-999</li> <li>Example: HGR001024</li> </ul> </li> <li>For restrictions, refer to Flight Planning</li> </ul>			
	Restrictions.			
Departure Date & Time	<ul> <li>MM/DD/YYYY; based off of the selected time zone value</li> <li>HHMM; where HHMM are 4 digits, current time based off of the selected time zone value; if not available, will default to UTC time</li> <li>Time zone:         <ul> <li>AST ADT EST</li> <li>CDT CST CDT MST MDT PST PDT AKST AKST AKDT HST UTC</li> </ul> </li> </ul>	<ul> <li>Route Brief</li> <li>File</li> <li>Amend</li> <li>Activate</li> <li>Dep/Dest/Alt1/Alt2 Area Brief</li> <li>NavLog</li> <li>Optimize Altitude</li> <li>Evaluate Departure Time</li> </ul>		
	<b>Note</b> : Both date and time can be automatically populated by an Apply Minutes From Now action.			
Route of Flight (Leave blank for direct)	<ul> <li>2-558 characters</li> <li>3-5 alphanumeric airport/heliport/NAVAID/waypoint identifier</li> <li>Examples: HGR, KSEA, 90I5</li> </ul>	N/A		
	<ul> <li>8-12 character latitude/longitude in the format aabb(A)(/)(c)ccdd(B), where parentheses denote optional characters</li> </ul>			

DOMESTIC FLIGHT PLAN					
Field	Syntax Validation	Required for Actions			
	<ul> <li>aa is degrees latitude in the range 00-90</li> <li>bb is minutes latitude in the range 00-59</li> <li>(c)cc is degrees longitude in the range 00-180</li> <li>dd is minutes longitude in the range 00-59</li> <li>(A) is either N or S (North or South, default to N if unspecified)</li> <li>(B) is either W or E(West or East, default to W if unspecified)</li> <li>Example: 4449N/7322W</li> <li>8-11 alphanumeric fix-radial-distance</li> </ul>				
	<ul> <li>b- IT alphandment IIX-radial-distance in the format (A)(A)(A)AAaaabbb, where parentheses denote optional characters</li> <li>(A)(A)(A)AA is 2-5 alphanumeric airport/heliport/NAVAID/waypoint identifier</li> <li>aaa is radial measure in degrees from North in the range 001-360</li> <li>bbb is distance in nautical miles in the range 001-999</li> <li>Example: HGR001024</li> </ul>				
	<ul> <li>V and J Airways         <ul> <li>V Airway in the format Vd(d)(d), where parentheses denote optional digits</li> <li>J Airway in the format Jd(d)(d), where parentheses denote optional digits</li> </ul> </li> <li>Examples: V469, J123</li> <li>Standard Instrument Departure (SID)         <ul> <li>1 letter followed by 2-5</li> </ul> </li> </ul>				
	<ul> <li>1 letter followed by 2-5 alphanumeric characters</li> <li>Example: DRWN6</li> <li>Standard Terminal Arrival Route</li> </ul>				
	<ul> <li>Ottanda Termina Annual Notate (STAR)         <ul> <li>1 letter followed by 2-5 alphanumeric characters</li> <li>Example: SKETR5</li> </ul> </li> <li>Military Training Route (MTR, restricted)         <ul> <li>Format LLdd(d)(d), where LL = AR, IR, VR, SR and d = alphanumerics, parenthese denote optional.</li> <li>An MTR must be filed with an entry fix preceeding the MTR name and an exit fix following the MTR name.</li> </ul> </li> <li>Full Route Example: MRB V39 SDZ V3 FLO V437 CHS V1 STARY V437 KIZER V267 PAOLA</li> <li>For validations, refer to Route of Flight</li> </ul>				
	Validations. For restrictions, refer to Flight Planning Restrictions.				

DOMESTIC FLIGHT PLAN					
Field	Syntax Validation	Required for Actions			
Destination	<ul> <li>Syntax Validation</li> <li>3-5 alphanumeric airport/heliport/navaid (excluding NDB), or waypoint identifier Examples: HGR, KSEA, 90I5</li> <li>Refer to Domestic Flight Plan Form for details.</li> <li>8-12 character latitude/longitude in the format aabb(A)(/)(c)ccdd(B), where parentheses denote optional characters         <ul> <li>aa is degrees latitude in the range 00-90</li> <li>bb is minutes latitude in the range 00-59</li> <li>(c)cc is degrees longitude in the range 00-180</li> <li>dd is minutes longitude in the range 00-59</li> <li>(A) is either N or S (North or South, default to N if unspecified)</li> <li>(B) is either W or E (West or East, default to W if unspecified)</li> <li>(B) is either W or E (West or East, default to W if unspecified)</li> </ul> </li> <li>Location name is required in the Remarks field when latitude/longitude is used for destination. Use the displayed Latitude/Longitude Location Name dialog for assistance.</li> <li>9-11 alphanumeric fix-radial-distance in the format (A)(A)AAAaaabbb, where parentheses denote optional characters         <ul> <li>(A)(A)AAA is 3-5 alphanumeric airport/heliport/navaid (excluding NDB)/waypoint identifier</li> <li>aaa is radial measure in degrees from North in the range 001-360</li> <li>bbb is distance in nautical miles in the range 001-999</li> <li>Example: HGR001024</li> </ul> </li> </ul>	Required for Actions <ul> <li>Route Brief</li> <li>File</li> <li>Amend</li> <li>Activate</li> <li>Dest Area Brief</li> <li>Save Favorite</li> <li>NavLog</li> <li>Optimize Altitude</li> <li>Plan a Route</li> <li>Evaluate Departure Time</li> </ul>			
Time Enroute	Restrictions.     HHMM; where HHMM are 4 digits     Example: 0430	File     Amend     Activate			
Fuel on Board	HHMM; where HHMM are 4 digits     Example: 0600	Activate     File     Amend     Activate			
Remarks	<ul> <li>1-325 characters         Example: STUDENT SOLO FLIGHT         Location name is required in the Remarks field when latitude/longitude is used for departure and/or destination. Use the displayed Latitude/Longitude Location Name dialog for assistance.     </li> </ul>	N/A			
No. on Board	1-3 digits     Example: 1	<ul><li>File</li><li>Amend</li></ul>			

DOMESTIC FLIGHT PLAN				
Field	Syntax Validation	Required for Actions		
		Activate		
Alternate 1	3-4 alphanumeric airport/heliport identifier	Alt Area Brief		
	Examples: HGR, KSEA, 90I5			
	Refer to Domestic Flight Plan Form, Departure/Destination/Alternates for details.			
	For restrictions, refer to Flight Planning Restrictions.			
Alternate 2	3-4 alphanumeric airport/heliport identifier	Alt2 Area Brief		
	Examples: HGR, KSEA, 9015			
	Refer to Domestic Flight Plan Form, Departure/Destination/Alternates for details.			
	For restrictions, refer to Flight Planning Restrictions.			
Pilot Contact Information	1-200 characters	• File		
	Example: JONES, BOB, (202) 555-1111 HGR, (301) 555-2222	Amend     Activate		
Beacon Code	4 octal digits (0000-7777). Only Present on form if assigned. Value cannot be changed by user.	N/A		
Aircraft Color	1-15 letters     Use a / to separate colors     Examples: W, R/T	File     Amend     Activate		
	Refer to Domestic Flight Plan Form, Aircraft Color for details.			

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.
ОК

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
Recent Flight Plans	Favorite Flight Plans	Save as Favorite		AA Guidance, all civilian flight plans as ICAO flight plans.
Aircraft ID Flight Rule	Flight Type (Optional)         No. of Airc                ✓               1	Aircraft Type	Wake Turbulence	Aircraft Equipment
Departure Airport Info Area Brief	08/21/2024 HHMM CDT	aluate Cruising Speed	Level Op	timize Surveillance Equipment
	Apply Minutes From Now			Portable Device spidertracks
Route of Flight DCT	Map Plan	Other Information (Optiona	<u>u)</u>	٩
Destination Airport Info Area Brief	Est Elapsed Time HHMM Calculate	Alternate 1 (Optional)	Airport Info Alte	rnate 2 (Optional) Airport Info Area Brief
Fuel Endurance         Persons on Board           [HHMM]	Aircraft Color & Markings (Optional)	Supplemental Remarks (C	ptional) Pilo	t In Command (Optional)
Emergency Radios     Survival Equipment       UHF     Polar       VHF     Desert       ELBA     Maritime       Jungle	Jackets     Dinghies (Option       Light     Number     Ca       Fluorescent     UHF       VHF     VHF		Covered	t Contact Information
	Route Brief File	NavLog	Return Pla	

ICAO FLIGHT PLAN				
Field	Syntax Validation	Required for Actions		
ICAO Flight Plan				
Aircraft ID	<ul> <li>2-7 alphanumeric characters         Example: N0819W         Example: 0819W     </li> <li>A "Q" will be added to the start of any Aircraft ID that begins with a number. If an Aircraft ID contains 7 characters and begins with a number, the first character will be replaced with a "Q". The originally entered Aircraft ID will be recorded in the Other Information field under RMK automatically.     </li> </ul>	<ul> <li>File</li> <li>Amend</li> <li>Activate</li> <li>Standard Brief</li> <li>Outlook Brief</li> <li>Abbreviated Brief</li> <li>Area Brief</li> <li>NavLog</li> <li>Optimize Altitude</li> <li>Evaluate Departure Time</li> </ul>		
Flight Rule	VFR or IFR	<ul> <li>File</li> <li>Amend</li> <li>Activate</li> <li>Standard Brief</li> <li>Outlook Brief</li> <li>Abbreviated Brief</li> <li>Save As Favorite</li> </ul>		
<ul> <li>Flight Type</li> </ul>	• S, N, G, M, D, or X	N/A		

	ICAO FLIGHT PLAN	
Field	Syntax Validation	Required for Actions
No. of Aircraft	1-2 digits	N/A
Aircreft Turs a	Example: 1	<b>File</b>
<ul> <li>Aircraft Type</li> </ul>	<ul> <li>1 letter followed by 1-3 alphanumeric characters</li> <li>Must be valid aircraft type in Aircraft Type Search</li> </ul>	<ul><li>File</li><li>Amend</li></ul>
	Examples: <b>J2, C25A, B738</b>	Activate
	Refer to ICAO Flight Plan Form for details.	
Wake Turbulence	H - Aircraft takeoff weights of at least 300,000 pounds	• File
	<ul> <li>M - Aircraft takeoff weights greater than 15,000 pounds, but less than 300,000 pounds</li> </ul>	Amend     Activate
	<ul> <li>L - Aircraft takeoff weights of 15,000 pounds or less</li> </ul>	• Adivale
	The Wake Turbulence will be automatically populated based     an the Aircraft Turpe	
	on the Aircraft Type.	
Aircraft Equipment	Refer to ICAO Flight Plan Form for details.     1-64 alphanumeric characters	• File
	Use Aircraft Equipment helper dialog for assistance.	Amend
	<ul> <li>If the value R is entered, then Other Information must contain a PBN/ value.</li> </ul>	Activate
	<ul> <li>If the value Z is entered, then Other Information must</li> </ul>	
	contain either a NAV/, DAT/ or COM/ value.	
	Examples: F, E3G, M3	
- Donorturo	Refer to ICAO Flight Plan Form for details.	• File
<ul> <li>Departure</li> </ul>	3-4 alphanumeric airport identifier     Examples: KSEA, KHGR	Amend
		Activate
	2-5 alphanumeric significant point (Not allowed for IFR Flights with departure, destination, or an alternate in Alaska	<ul> <li>Standard Brief</li> <li>Outlook Brief</li> </ul>
	ARTCC.)	Abbreviated Brief
	11 character latitude/longitude in the format aabbAcccddB	Departure Area Brief     Save As Favorite
	<ul> <li>11 character latitude/longitude in the format aabbAcccddB</li> <li>aa is degrees latitude in the range 00-90</li> </ul>	<ul> <li>Save As Favorite</li> <li>NavLog</li> </ul>
	<ul> <li>bb is minutes latitude in the range 00-59</li> </ul>	Optimize Altitude
	<ul> <li>ccc is degrees longitude in the range 000-180</li> <li>dd is minutes longitude in the range 00-59</li> </ul>	<ul><li> Plan a Route</li><li> Evaluate Departure Time</li></ul>
	<ul> <li>A is either N or S (North or South)</li> </ul>	
	B is either E or W (East or West)  Exemple: 4440N07232W	
	Example: 4449N07322W	
	9-11 alphanumeric fix-radial-distance in the format     (A)(A)AAAaaabbb, where percentheres denote optional	
	(A)(A)AAAaaabbb, where parentheses denote optional characters	
	(A)(A)AAA is 3-5 alphanumeric airport/heliport/navaid     (aucluding NDD)/uppersist identifier Alacte IFD flights	
	(excluding NDB)/waypoint identifier; Alaska IFR flights may not use airports/heliports or waypoints in an FRD.	
	aaa is radial measure in degrees from North in the range	
	<ul> <li>001-360</li> <li>bbb is distance in nautical miles in the range 001-999</li> </ul>	
	Example: <b>HGR001024</b>	
	ZZZZ or AFIL	
	If ZZZZ or AFIL is entered, then a location of one of the	
	above formats must be provided in <b>DEP/</b> in the Other information field	
	For restrictions, refer to Flight Planning Restrictions	
Departure Sunrise	HHMM TZ; where HHMM is the 4 digit time and TZ is the	N/A
and Sunset	<ul> <li>time zone. Example: 0530 EST</li> <li>Only present on form if Departure is valid and Departure Date</li> </ul>	
	and Time are entered.	
	Value cannot be changed by user.	
<ul> <li>Departure Date &amp; Time</li> </ul>	MM/DD/YYYY; based off of the selected time zone value	<ul> <li>Standard Brief</li> <li>Outlook Brief</li> </ul>
TITIC	1	

	ICAO FLIGHT PLAN		
Field	Syntax Validation	Required for Actions	
	<ul> <li>HHMM; where HHMM are 4 digits, current time based off of the selected time zone value; if not available, will default to UTC time</li> <li>Time zone:         <ul> <li>AST ADT EST</li> <li>EDT</li> <li>CST</li> <li>CDT</li> <li>MST MDT</li> <li>PST</li> <li>PDT AKST AKST AKOT HST UTC</li> </ul> </li> </ul>	<ul> <li>Abbreviated Brief</li> <li>File</li> <li>Amend</li> <li>Activate</li> <li>Area Brief</li> <li>NavLog</li> <li>Optimize Altitude</li> <li>Evaluate Departure Time</li> </ul>	
	Note: Both date and time can be automatically populated by an Apply Minutes From Now action.		
Cruising Speed	<ul> <li>Airspeed value "zero" not allowed</li> <li>Knots: N (optional) followed by 4 digits, max of 3700 (N0210, 210 = 210 knots)</li> <li>Mach: M followed by 3 digits, max of 500, with an implicit decimal after the first digit (M075 = 0.75 Mach, M200 = 2.00 Mach, M312 = 3.12 Mach)</li> <li>Examples: N0100, 100, M100</li> </ul>	Route Brief     File     Amend     Activate     NavLog     Optimize Altitude     Evaluate Departure Time	
• Level	<ul> <li>Examples: N0100, 100, M100</li> <li>Altitude in hundreds of feet, for flights below 18,000 feet, minimum is 100 feet: A (optional) followed by 3 digits (A090, 90 = 9,000 feet)</li> <li>Flight Level in hundreds of feet, for flights at or above 18,000 feet: F (optional) followed by 3 digits (F190, 190 = 19,000 feet)</li> <li>Altitude in tens of meters: M followed by 4 digits (M0230 = 2,300 meters)</li> <li>Standard Metric Level in tens of meters: S followed by 4 digits (S1230 = 12,300 meters)</li> <li>VFR with Altitude in hundreds of feet, minimum is 100 feet: VFR/ followed by 3 digits (VFR/170 = 17,000 feet)</li> <li>VFR: VFR</li> <li>Examples: A090, 90, F190, 190, M0230, S1000, VFR/123</li> <li>Additional Format Rules for Use of Altitude Optimization: IFR flights:</li> <li>A020-A179</li> <li>F180-F600</li> <li>M0061-M1828</li> <li>S0061-S1828</li> <li>VFR/025-VFR/179</li> <li>VFR flights:</li> <li>A025-A179</li> <li>M0077-M0548</li> <li>S0077-S0548</li> <li>VFR/025-VFR/179</li> <li>Additional Format Rules for Use of Evaluate Departure Time:</li> <li>A001-A179</li> <li>F180-F999</li> <li>M0000-M3048</li> <li>S0000-S3048</li> </ul>	Evaluate Departure Time     Route Brief     File     Amend     Activate     NavLog     Optimize Altitude     Evaluate Departure Time	
Surveillance     Equipment	<ul> <li>VFR/001-VFR/179</li> <li>1-11 alphanumeric characters         <ul> <li>Use Surveillance Equipment helper dialog for assistance.</li> <li>Examples: S, X, SV1</li> </ul> </li> </ul>	<ul> <li>File</li> <li>Amend</li> <li>Activate</li> </ul>	

ICAO FLIGHT PLAN			
Field	Syntax Validation	Required for Actions	
	Refer to ICAO Flight Plan Form for details.		
Route of Flight	<ol> <li>2-558 characters</li> <li>3-5 alphanumeric airport/heliport/NAVAID/waypoint identifier Examples: KSEA, KHGR</li> </ol>	<ul><li>File</li><li>Amend</li><li>Activate</li></ul>	
	<ul> <li>8-12 character latitude/longitude in the format aabb(A)(/)(c)ccdd(B), where parentheses denote optional characters</li> <li>aa is degrees latitude in the range 00-90</li> <li>bb is minutes latitude in the range 00-59</li> <li>(c)cc is degrees longitude in the range 00-180</li> <li>dd is minutes longitude in the range 00-59</li> <li>(A) is either N or S (North or South, default to N if unspecified)</li> <li>(B) is either W or E(West or East, default to W if unspecified)</li> <li>Example: 4449N/7322W</li> </ul>		
	<ul> <li>4. 7-11 character latitude/longitude in the format aa(bb)Accc(dd)B, where parentheses denote optional characters <ul> <li>aa is degrees latitude in the range 00-90</li> <li>(bb) is optional minutes latitude in the range 00-59</li> <li>ccc is degrees longitude in the range 00-180</li> <li>(dd) is optional minutes longitude in the range 00-59</li> <li>A is either N or S (North or South)</li> <li>B is either W or E (West or East)</li> </ul> </li> </ul>		
	<ul> <li>5. 8-11 alphanumeric fix-radial-distance in the format (A)(A)(A)AAaaabbb, where parentheses denote optional characters <ul> <li>(A)(A)(A)(A)AA is 2-5 alphanumeric airport/heliport/NAVAID/waypoint identifier</li> <li>aaa is radial measure in degrees from North in the range 001-360</li> <li>bbb is distance in nautical miles in the range 001-999</li> <li>Example: HGR001024</li> </ul> </li> </ul>		
	<ul> <li>6. V and J Airways</li> <li>V Airway in the format Vd(d)(d), where parentheses denote optional digits</li> <li>J Airway in the format Jd(d)(d), where parentheses denote optional digits</li> <li>Examples: V469, J123</li> </ul>		
	<ul> <li>7. Standard Instrument Departure (SID)</li> <li>1 letter followed by 2-5 alphanumeric characters Example: DRWN6</li> </ul>		
	<ul> <li>8. Standard Terminal Arrival Route (STAR)</li> <li>1 letter followed by 2-5 alphanumeric characters Example: SKETR5</li> </ul>		
	<ul> <li>9. Military Training Route (MTR, restricted)</li> <li>Format LLdd(d)(d), where LL = AR, IR, VR, SR and d = alphanumerics, parenthese denote optional.</li> <li>An MTR must be filed with an entry fix preceeding the MTR name and an exit fix following the MTR name. Example: IR608</li> </ul>		
	<ul> <li>10. Cruising Speed and/or Level change at a point in the route, in the format <point>/<speed><altitude></altitude></speed></point></li> <li><point> as defined in items 2, 3, and 4 above</point></li> <li><speed> is in the same format as the Cruising Speed field</speed></li> <li><altitude> is in the same format as the Level field</altitude></li> </ul>		

	ICAO FLIGHT PLAN	
Field	Syntax Validation	<b>Required for Actions</b>
	Must include both Speed and Level values, even if only one is changing Example: MSN/N0150A090 Full Route Example: MRB V39 SDZ V3 FLO V437 CHS V1 STARY V437 KIZER V267 PAOLA For validations, refer to Route of Flight Validations. For restrictions, refer to Flight Planning Restrictions.	
• Destination	<ul> <li>3-4 alphanumeric airport identifier Examples: KSEA, KHGR</li> <li>2-5 alphanumeric significant point (Not allowed for IFR Flights with departure, destination, or an alternate in Alaska ARTCC.)</li> <li>11 character latitude/longitude in the format aabbAcccddB <ul> <li>aa is degrees latitude in the range 00-90</li> <li>bb is minutes latitude in the range 00-59</li> <li>ccc is degrees longitude in the range 000-180</li> <li>dd is minutes longitude in the range 00-59</li> <li>A is either N or S (North or South)</li> <li>B is either E or W (East or West)</li> <li>Example: 4449N07322W</li> </ul> </li> <li>9-11 alphanumeric fix-radial-distance in the format (A)(A)AAAaaabbb, where parentheses denote optional characters</li> <li>(A)(A)AAA is 3-5 alphanumeric airport/heliport/navaid (excluding NDB)/waypoint identifier; Alaska IFR flights may not use airports/heliports or waypoints in an FRD</li> </ul>	<ul> <li>File</li> <li>Amend</li> <li>Activate</li> <li>Route Brief</li> <li>Destination Area Brief</li> <li>Save As Favorite</li> <li>NavLog</li> <li>Optimize Altitude</li> <li>Plan a Route</li> <li>Evaluate Departure Time</li> </ul>
	<ul> <li>aaa is radial measure in degrees from North in the range 001-360</li> <li>bbb is distance in nautical miles in the range 001-999 Example: HGR001024</li> <li>ZZZZ         <ul> <li>If ZZZZ is entered, then a location of one of the above formats must be provided in DEST/ in the Other information field</li> </ul> </li> <li>For restrictions, refer to Flight Planning Restrictions</li> </ul>	
Destination Sunrise and Sunset	<ul> <li>HHMM TZ; where HHMM is the 4 digit time and TZ is the time zone. Example: 2015 EST</li> <li>Only present on form if Destination is valid and Departure Date and Time are entered.</li> <li>Value cannot be changed by user.</li> </ul>	N/A
Est Elapsed Time	<ul> <li>HHMM; where HHMM are 4 digits Example: 0530</li> <li>If 0000 is entered, then the Estimated Time of Arrival must be provided in the ETA field.</li> </ul>	<ul> <li>File</li> <li>Amend</li> <li>Activate</li> </ul>
• ETA	<ul> <li>DDHHMM; where DDHHMM are 6 digits Example: 040530</li> <li>Time zone will default to the selected time zone in Departure Date &amp; Time field.</li> <li>Estimated Time of Arrival must be at least 100 hours or more than the Departure Date &amp; Time.</li> </ul>	<ul> <li>File</li> <li>Amend</li> <li>Activate</li> </ul>

ICAO FLIGHT PLAN				
Field	Syntax Validation	Required for Actions		
	<ul> <li>Estimated Time of Arrival cannot be more than 27 days from Departure Date &amp; Time.</li> </ul>			
Alternate 1	3-4 alphanumeric airport identifier Examples: KSEA, KHGR	Alternate 1 Area Brief		
	<ul> <li>2-5 alphanumeric significant point (Not allowed for IFR Flights with departure, destination, or an alternate in Alaska ARTCC.)</li> </ul>			
	<ul> <li>11 character latitude/longitude in the format aabbAcccddB</li> <li>aa is degrees latitude in the range 00-90</li> <li>bb is minutes latitude in the range 00-59</li> <li>ccc is degrees longitude in the range 000-180</li> <li>dd is minutes longitude in the range 00-59</li> <li>A is either N or S (North or South)</li> <li>B is either E or W (East or West)</li> <li>Example: 4449N07322W</li> </ul>			
	<ul> <li>9-11 alphanumeric fix-radial-distance in the format         <ul> <li>(A)(A)AAAaaabbb, where parentheses denote optional characters</li> <li>A)(A)AAA is 3-5 alphanumeric airport/heliport/navaid (excluding NDB)/waypoint identifier; Alaska IFR flights may not use airports/heliports or waypoints in an FRD</li> <li>aaa is radial measure in degrees from North in the range 001-360</li> <li>bbb is distance in nautical miles in the range 001-999 Example: HGR001024</li> </ul> </li> </ul>			
	<ul> <li>ZZZZ</li> <li>If ZZZZ is entered, then a location of one of the above formats must be provided in ALTN/ in the Other information field</li> </ul>			
	For restrictions, refer to Flight Planning Restrictions			
Alternate 2	3-4 alphanumeric airport identifier     Examples: KSEA, KHGR	Alternate 2 Area Brief		
	• 2-5 alphanumeric significant point (Not allowed for IFR Flights with departure, destination, or an alternate in Alaska ARTCC.)			
	<ul> <li>11 character latitude/longitude in the format aabbAcccddB</li> <li>aa is degrees latitude in the range 00-90</li> <li>bb is minutes latitude in the range 00-59</li> <li>ccc is degrees longitude in the range 000-180</li> <li>dd is minutes longitude in the range 00-59</li> <li>A is either N or S (North or South)</li> <li>B is either E or W (East or West)</li> <li>Example: 4449N07322W</li> </ul>			
	<ul> <li>9-11 alphanumeric fix-radial-distance in the format         <ul> <li>(A)(A)AAAaaabbb, where parentheses denote optional characters</li> <li>(A)(A)AAA is 3-5 alphanumeric airport/heliport/navaid (excluding NDB)/waypoint identifier; Alaska IFR flights may not use airports/heliports or waypoints in an FRD</li> <li>aaa is radial measure in degrees from North in the range 001-360</li> <li>bbb is distance in nautical miles in the range 001-999 Example: HGR001024</li> </ul> </li> </ul>			
	• ZZZZ			

	ICAO FLIGHT PLAN				
Field	Syntax Validation	Required for Actions			
	<ul> <li>If ZZZZ is entered, then a location of one of the above formats must be provided in ALTN/ in the Other information field</li> </ul>				
	For restrictions, refer to Flight Planning Restrictions				
Beacon Code	4 octal digits (0000-7777). Only present on form if assigned. Value cannot be changed by user.	N/A			
Other Information	<ul> <li>Value cannot be changed by user.</li> <li>1-325 alphanumeric characters, spaces, and forward slash (/)</li> <li>Use the Other Information helper dialog for a list of all valid codes and for formatting the following subfield elements:         <ul> <li>STS/: Enter special handling codes for Air Traffic Services. If more than one code is used, each code must be separated by a space.</li> <li>Example: STS/ALTRV</li> <li>PBN/: Enter RNAV and/or RNP capabilities. A maximum of 8 codes may be entered. Aircraft Equipment field must contain "R".</li> <li>Example: PBN/A1</li> <li>NAV/: Enter significant data related to navigation equipment, other than that specified in PBN/ subfield. A "Z" will be automatically inserted into the Aircraft Equipment field. This subfield is a free text field.</li> <li>Example: NAV/MYEQUIPMENT</li> <li>COM/: Enter communications applications or capabilities that are not specified in the Aircraft Equipment field. A "Z" will be automatically inserted into the Aircraft Equipment field. A "Z" will be automatically insert field.</li> <li>Example: COM/WYEQUIPMENT</li> <li>DAT: Enter data applications or capabilities that are not specified in the Aircraft Equipment field. A "Z" will be automatically inserted into the Aircraft Equipment field. A "Z" will be automatically inserted into the aircraft to equipment field.</li> <li>Example: DAT/MYEQUIPMENT</li> <li>SUR/: Enter the surveillance capabilities of the aircraft not specified in the Aircraft Equipment field. This subfield is a free text field.</li> <li>Example: SUR/MYEQUIPMENT</li> </ul> </li> <li>SUR/: Enter the departure field, as shown below. DEP/ will be automatically inserted into the Other Information field.</li> <li>3-4 alphanumeric airport identifier</li> <ul> <li>2-5 alphanumeric airport identifier</li> <li>2-5 alphanumeric</li></ul></ul>				

	ICAO FLIGHT PLAN		
Field	Syntax Validation	Required for Actions	
	NDB)/waypoint identifier; Alaska IFR flights may not use airports/heliports or waypoints in an FRD. aaa is radial measure in degrees from North in the range 001-360 bbb is distance in nautical miles in the range 001-999 Example: DEP/KHGR Example: DEP/HGR001024 Location name is required following latitude/longitude when latitude/longitude is used for the DEP/ and/or DEST/ subfields.		
	<ul> <li>DEST/: Record the destination of the flight plan when ZZZZ is entered in the departure field. Use the same rules as the DEP/ subfield.</li> <li>Example: DEST/KHGR</li> <li>Example: DEST/HGR001024</li> </ul>		
	<ul> <li>DOF/: Records the departure date of the flight as YYMMDD if the Proposed Departure Time is more than 22.5 hours ahead of the current time. DOF/ will be automatically inserted into the Other Information field.</li> <li>Example: DOF/141025</li> </ul>		
	<ul> <li>REG/: Enter the nationality or registration mark of the aircraft. This subfield is a free text field.</li> <li>Example: REG/UNITEDSTATES</li> </ul>		
	<ul> <li>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).</li> <li>EET/<position1><time1><sp><position2><time2><sp><position3><time3></time3></position3></sp></time2></position2></sp></time1></position1></li> </ul>		
	<ul> <li>SEL/: Enter the SELCAL (Selective Calling) code for aircraft so equipped. This subfield is a free text field.</li> <li>Example: SEL/ABCD</li> </ul>		
	TYP/: Enter the aircraft type, if ZZZZ is entered into the Aircraft Type field. This subfield is a free text field.		
	<ul> <li>Example: TYP/J2</li> <li>CODE/: Enter the aircraft address, which is expressed in the form of an alphanumerical code of six hexadecimal characters.</li> <li>Example: CODE/AC82EC</li> </ul>		
	<ul> <li>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</significant></significant></li> <li>The <significant point=""> can be one of the following formats:</significant></li> <li>3-4 alphanumeric airport identifier</li> </ul>		

ICAO FLIGHT PLAN			
Field	Syntax Val		Required for Actions
	<ul> <li>11 character la aabbAcccddB</li> <li>aa is degr</li> <li>bb is minu</li> <li>ccc is degr</li> <li>000-1</li> <li>dd is minu</li> <li>59</li> <li>A is either</li> <li>B is either</li> <li>9-11 alphanum format (A)(A)Ardenote optiona</li> <li>(A)(Ardenote option</li></ul>	N or S (North or South) E or W (East or West) eric fix-radial-distance in the AAaaabbb, where parentheses I characters JAAA is 3-5 alphanumeric t/heliport/NAVAID (excluding /waypoint identifier ial measure in degrees from the range 001-360 rance in nautical miles in the	
	Example: DLE/4449I	O designator or name of the ency. This subfield is a free	
	<ul> <li>ORGN/: Enter the o address.</li> </ul>	riginator's 8 letter AFTN	
		<b>INADDRESS</b> raft performance data. This e of the following codes: A, B,	
	plan when ZZZZ is e	ernate airports of the flight entered into either of the field. Use the same rules as	
	Example: <b>ALTN/KHC</b> Example: <b>ALTN/44</b> 4 Example: <b>ALTN/HG</b> F	9N07322W	
	RALT/: Enter the en the same rules as th Example: RALT/KHG Example: RALT/4449	R	
		ke-off alternate aerodrome. as the DEP/ subfield. BR M07322W	
	<ul> <li>RIF/: Enter route de airport. This subfield</li> </ul>	tails for a revised destination l is a free text field, but should e Route of Flight field.	
	<ul> <li>RMK/: Enter any oth</li> </ul>	er plain language remarks for subfield is a free text field.	
	Refer to ICAO Flight Plan - Other In	formation Field for details.	
Supplementary Infor		ito	- Filo
Fuel Endurance	HHMM; where HHMM are 4 dig Example: 0530	ມເວ	<ul><li>File</li><li>Amend</li><li>Activate</li></ul>

ICAO FLIGHT PLAN		
Field	Syntax Validation	Required for Actions
Persons on Board	<ul> <li>1-30 alphanumeric characters, spaces, and backslash "\" Example: 1, TWO, 3\4</li> </ul>	File     Amend     Activate
<ul> <li>Aircraft Color &amp; Markings</li> </ul>	1-500 alphanumeric characters, spaces, and colon ":"     Example: <b>B:BE AND RED</b>	• N\A
Emergency Equipme	ent	
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 colon ":"     Example: STUDENT: SOLO FLIGHT	N/A
Pilot in Command	1-201 alphanumeric characters, spaces, and colon ":"     Example: Jones: 202 555 1111	N/A
Pilot Contact     Information	<ul> <li>1-200 characters         <ul> <li>Example:</li> <li>JONES, (202) 555-1111</li> <li>HGR, (301) 555-2222</li> </ul> </li> </ul>	<ul><li>File</li><li>Amend</li><li>Activate</li></ul>

#### 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/

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.

Other Info
sts P
PBN P
NAV
Сом
DAT
SUR
DEP
DEST
DOF
REG
EET
SEL
Түр
CODE
OPR
ORGN
PER P
ALTN
RALT
TALT
RIF
RMK
OK Cancel

#### i. The STS subfield

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

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

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

#### > The STS Helper Dialog

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

STS	
ALTRV ATFMX FFR FLTCK HAZMAT HEAD HOSP HUM MARSA MEDEVAC NONRVSM SAR	
OK Cancel	

#### 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	01	S1
B1	B5	C3	D3	02	S2
B2	B6	C4	D4	03	T1
B3	C1	D1	L1	04	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.

RNAV Specifications	RNP Specifications
A1 = RNAV 10 (RNP 10) B1 = RNAV 5, All B2 = RNAV 5, GNSS B3 = RNAV 5, DME/DME B4 = RNAV 5, VOR/DME B5 = RNAV 5, VOR/DME B6 = RNAV 5, LORANC C1 = RNAV 2, All C2 = RNAV 2, All C2 = RNAV 2, DME/DME C4 = RNAV 2, DME/DME C4 = RNAV 1, All D1 = RNAV 1, GNSS D3 = RNAV 1, DME/DME	L1 = RNP 4 O1 = Basic RNP 1, All O2 = Basic RNP 1, GNSS O3 = Basic RNP 1, DME/DME O4 = Basic RNP 1, DME/DME/IRU S1 = RNP APCH S2 = RNP APCH with BARO-VNAV T1 = RNP AR APCH with RF (special auth req'd) T2 = RNP AR APCH without RF (special auth req'd)
D4 = RNAV 1, DME/DME/IRU	

#### iii. The NAV subfield

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

The subfield accepts alphanumeric and spaces in free text.

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

#### iv. The COM subfield

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

The subfield accepts alphanumeric and spaces in free text. If the Other Information field contains the COM subfield, the Web site will insert the value Z into the Aircraft Equipment field. Omitting "Z" invalidates the flight plan.

#### v. The DAT subfield

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

The subfield accepts alphanumeric and spaces in free text.

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

#### vi. The SUR subfield

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

The subfield accepts alphanumeric and spaces in free text.

#### vii. The DEP subfield

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

• 3 – 4 alphanumeric FAA airport identifier

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

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

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

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

Latitude/Longitude Location Name
When latitude/longitude is used for DEP/ and/or DEST/, a location name must be entered in Other Information, after latitude/longitude.
Edit the Other Information Field here, to include location name(s). Example: DEP/4214N08819W CRYSTAL LAKES Example: DEST/4214N08819W CRYSTAL LAKES
DEP/4400N08800W BLACKSBURG
$\checkmark$
This text will replace the contents of the Other Information field.
ОК

For restrictions, refer to Flight Planning Restrictions.

#### viii. The DEST subfield

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

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

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

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

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

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

Latitude/Longitude Location Name	
When latitude/longitude is used for DEP/ and/or DEST name must be entered in Other Information, after latitude/longitude.	/, a location
Edit the Other Information Field here, to include locat Example: DEP/4214N08819W CRYSTAL LAKES Example: DEST/4214N08819W CRYSTAL LAKES	ion name(s).
DEST/4400N08800W BLACKSBURG	~
	$\sim$
This text will replace the contents of the Other Inform	ation field.
	ОК

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 22.5 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><position3><time3><position3><time3><position3><time3><position3><time3><position3><time3><position3><time3><position3><time3><position3><time3><position3><time3><position3><time3><position3><time3><position3><time3><position3><time3><position3><time3><position3><time3><position3><time3><position3><time3><position3><time3><position3><time3><position3><time3><position3><time3><position3><time3><position3><time3><position3><time3><position3><time3>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.

When a file/amend/activate action is initiated for a flight that crosses into an international or oceanic FIR, the system will calculate the EET/ subfield elements. If the calculated EET/ subfield is different from the existing EET/ subfield, a dialog will pop up to allow the user to select one of them.

#### xii. The SEL subfield

The SEL subfield is used to record the SELCAL code for aircraft so equipped. The subfield accepts alphanumeric and spaces in free text.

#### xiii. The TYP subfield

The TYP subfield is used to record the aircraft type. The subfield accepts alphanumeric and spaces in free text.

#### xiv. The CODE subfield

The CODE subfield is used to record the aircraft address.

The subfield accepts alphanumeric and spaces in free text.

#### xv. The DLE subfield

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

DLE/<significant point>HHMM

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

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

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

PER
$ \begin{array}{ c c c c c } \hline A = IA5 \leq 169 \ \text{km/h} \ (91 \ \text{kt}) \\ \hline B = 169 \ \text{km/h} \ (91 \ \text{kt}) \leq IA5 \leq 224 \ \text{km/h} \ (121 \ \text{kt}) \\ \hline C = 224 \ \text{km/h} \ (121 \ \text{kt}) \leq IA5 \leq 261 \ \text{km/h} \ (141 \ \text{kt}) \\ \hline D = 261 \ \text{km/h} \ (141 \ \text{kt}) \leq IA5 \leq 307 \ \text{km/h} \ (166 \ \text{kt}) \\ \hline E = 307 \ \text{km/h} \ (166 \ \text{kt}) \leq IA5 \leq 391 \ \text{km/h} \ (211 \ \text{kt}) \\ \hline H = Helicopter                                    $
OK Cancel

### xix. The ALTN subfield

#### The ALTN subfield is used to record alternate aerodromes.

The subfield accepts the following formats:

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

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

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

An example of the format is shown below.

ALTN/KGAI KHGR

For restrictions, refer to Flight Planning Restrictions.

#### xx. The RALT subfield

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

The subfield accepts the following formats:

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

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

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

An example of the format is shown below.

RALT/KGAI KHGR

For restrictions, refer to Flight Planning Restrictions.

#### xxi. The TALT subfield

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

The subfield accepts the following formats:

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

For restrictions, refer to Flight Planning Restrictions.

#### xxii. The RIF subfield

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

#### xxiii. The RMK subfield

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

The subfield accepts alphanumeric and spaces in free text.

The RMK subfield will be reordered when a flight action is taken. When FRC <TEC Route> is present it always will be reordered to the first element in the Other Information field following RMK/. If ADIZ is also present, it will be the second element following FRC <TEC Route>. When ADIZ is present without FRC <Tec Route>, it will be the first element in the Other Information field.

### DataComm (CPDLC) Dialog:

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

DataComm (CPDLC)			
Aircraft Equipment codes J1-J7 indicate that your aircraft is DataComm (CPDLC) capable, which means that the Other Information field should contain appropriate data for REG/ and DAT/ subfields.			
To enable DataComm, please press "Cancel" to return to the Flight Planning form and enter your tail number in the REG/ subfield. To specify DataComm capabilities, please enter the corresponding codes in the DAT/ subfield.			
To opt out of DataComm services and continue your flight plan action, please press "Continue".			
Continue Cancel			

#### c. Advanced Services

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

Reference Advanced Services Dashboard for further information.

Portable Device	
None	~

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

#### d. Flight Plan Helper Menu and Dialogs

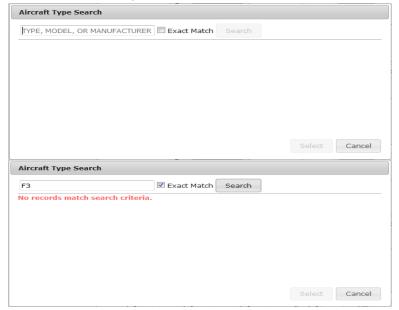
#### i. Domestic Flight Plan Form

Aircraft Type – Aircraft Type Search

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

Enter characters in the Aircraft Type text box on the FP form and click on P. 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.

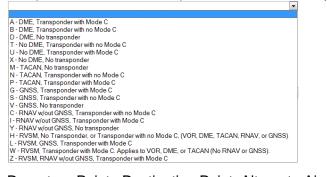


F3	Exact Match Search		
MANUFACTURER	▲ MODEL	▲ A/C TYPE ▲	
REIMS	F337, FT337E/F, FTB337 (Turbo)Super Skymaster, Milirole	C337	:
BOEING	E-3A (TF33), E-3B/C, JE-3, Sentry	E3TF	1
GOLDEN CAR	Brio	F30	1
GOLDEN CAR	F-30 Brio	F30	1
LOCKHEED MARTIN	F-35A Lightning II	F35	1
LOCKHEED MARTIN	F-35C Lightning II	F35	1
LOCKHEED MARTIN	Lightning II (F-35A/C)	F35	1

Aircraft Type Search		
F35	Exact Match Search	
1		
MANUFACTURER	MODEL	▲ A/C TYPE ▲ ^
LOCKHEED MARTIN	F-35A Lightning II	F35
LOCKHEED MARTIN	F-35C Lightning II	F35
LOCKHEED MARTIN	Lightning II (F-35A/C)	F35
		Select Cancel
Aircraft Type Search		
SF35	Exact Match Search	
MANUFACTURER +	MODEL	▲ A/C TYPE ▲ ^
SCHEIBE	SF-35	SF35
	•	
		Ŧ
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		Ŧ
		~
		*
		.*
		* Select Cancel

#### 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/Destin	ation/Alternates			
TY STATE C Exact Match Search	1	www	STATE V Exact Match Search			
		No records match	search criteria.			
	Select Cancel					
	Jenet Cancer					
Departure/Destinatio	n/Alternates					
vepartare/ Destinatio	IT AICCINECES					
DCA	STATE V Exact Match Sear	ch				
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 INDO						
DCA AIRPORT	RONALD REAGAN 3 WASHINGTON NATNL	3851N07702W	WASHINGTON, DC	ZDC	DCA	
DCA AIRPORT	WASHINGTON NATNL		WASHINGTON, DC	_	DCA DCA	
DCA AIRPORT	WASHINGTON NATNL WASHINGTON			ZDC		~

#### 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	
0 = Orange	
DD = 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

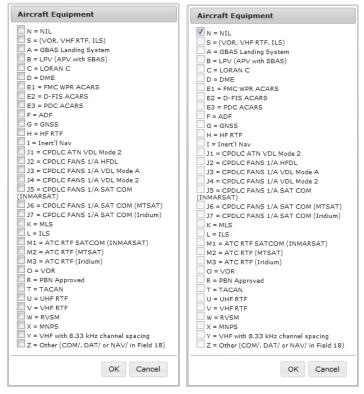
Reference Domestic Flight Plan Form, Aircraft Type Search above.

#### 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.

Surveillance Equipment
N = NIL
A = Mode A
C = Modes A and C
E = Mode S, ID, Alt and Squitter
H = Mode S, ID, Alt and Enhanced Surv
I = Mode S, ID no Alt
L = Mode S, ID, Alt, Squitter and Enhanced Surv
P = Mode S, Alt no ID
S = Mode S, ID and Alt
X = Mode S, no ID no Alt
B1 = ADS-B, Dedicated 1090 MHz Out
B2 = ADS-B, Dedicated 1090 MHz Out and In
U1 = ADS-B, UAT Out
U2 = ADS-B, UAT Out and In
V1 = ADS-B, VDL Mode 4 Out
V2 = ADS-B, VDL Mode 4 Out and In
D1 = ADS-C, FANS
G1 = ADS-C, ATN
OK Cancel

- Departure, Destination, Alternate 1, Alternate 2 Departure/Destination/Alternates Reference Domestic Flight Plan Form, Departure/Destination/Alternates above
- Other Information

Reference ICAO Flight Plan – Other Information Field for details.

Aircraft Color & Markings

This helper dialog lets the pilot select one or more Aircraft Color & Markings. Reference **Domestic Flight Plan Form**, Aircraft Color above.

Airport Info

Reference Domestic Flight Plan Form, Aircraft Info above.

On the ICAO form, if ZZZZ is entered into the Departure field, then the DEP/ subfield value in the Other Information field will be used for Airport Info. If ZZZZ is entered into the Destination field, then the DEST/ subfield value in the Other Information field will be used for Airport Info. If ZZZZ is entered into the Alternate1 field, then the first value after the ALTN/ subfield in the Other Information field will be used for Airport Info. If ZZZZ is entered into the Alternate2 field, then the second value after the ALTN/ subfield in the Other Information field will be used for Airport Info.

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

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

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

<ul><li>Format:</li><li>2-7 alphanumeric characters</li></ul>	ICAO Field 7
Required For: • Route Brief, File, Amend, Activate, Area Optimize Altitude, Evaluate Departure	

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

Aircraft ID	ICAO Field 7
Format: • 2-7 alphanumeric characters	
Required For: • Route Brief, File, Amend, Activate, Evaluate Departure Time	Area Brief, NavLog, Optimize Altitude,

#### f. Flight Plan Functions

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



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

Return Flight Plan	NavLog	Activate	Cancel	Amend	Route Brief
-----------------------	--------	----------	--------	-------	-------------

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

				Debury	1
Route Brief	Amend	Cancel	NavLog	Return Flight Plan	Clear

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



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

For restrictions, refer to Flight Planning Restrictions.

v. Flight Plan Alerts and Notifications

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

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

Portable Device	
None	~

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

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

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

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



For restrictions, refer to Flight Planning Restrictions.

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

Select the Close button to close active VFR flight plans.

Clos	e Flight F	P <mark>lan</mark>	
	Clos	se flight plan	TST1 ?
		Ok	Do not Close

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

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

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

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

Close Flight Plan	
To close your active flight plan location.	TST1, please provide your aircraft
Aircraft Location	

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

Close Flight Plan	
To close your active flight plan location.	1 TST1, please provide your aircraft
Aircraft Location	
Aircraft Location m	ust be at least 3 characters.
	Ok Do not Close

#### i. Route of Flight Validations

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

#### j. Flight Planning Restrictions

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

ii. IFR Flight Plans cannot be amended or cancelled within a cutoff time. The cutoff time is determined based on the ARTCC where the departure location belongs to. For a departure in Guam ARTCC, the message will display Honolulu as the ARTCC name. For a departure from another country, the message will display non-US as the ARTCC name. Refer to the table below for the cutoff time corresponding to the ARTCC name.

ARTCC	Filer Lockout Time (Minutes)
Albuquerque	46
Anchorage	43
Atlanta	46
Boston	55
Chicago	46
Cleveland	46
Denver	46
Fort Worth	46
Guam (OFDPS)	22.5 Hours
Honolulu (OFDPS)	22.5 Hours
Houston	46
Indianapolis	61
Jacksonville	46
Kansas City	46
Los Angeles	46
Memphis	46
Miami	46
Minneapolis	46
New York	61
Oakland	46
Salt Lake City	46
San Juan	46
Seattle	46
Washington	46

- The following message will be displayed if a user tries to amend such an IFR flight plan
  - Amendment of an IFR flight plan departing <ARTCC name> ARTCC airspace is not allowed within <cutoff time> 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 departing <ARTCC name> ARTCC airspace is not allowed within <cutoff time> 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 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.
  - $\circ~$  For Domestic, the FRD format will be "<DEP>001001"
  - $\circ~$  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 flight plans.
  - The following countries are considered allowable foreign departure locations: Canada, Mexico, Puerto Rico, Bahamas, Pacific Rim, Turks & Caicos, and US Virgin Islands.
- vi. An ICAO IFR flight plan that exactly matches all of the following data of an existing filed flight plan will not be allowed to be filed: aircraft ID, departure, departure date & time, route of flight, and destination.
  - The following message will be displayed if a user attempts to file a duplicate flight plan:
    - We detected a duplicate Flight Plan in our system filed on <date> at <time>. Duplicate flight plans will be rejected by ATC. This flight plan must be modified in order to file.

#### k. Recent and Flight Planning Lists

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

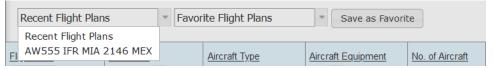
Recent Flight Plans	<ul> <li>Favorite Flight Plans</li> </ul>	Save as Favorite

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

Recent Flight Plans		Favorite Flight Plans	▼ Save as Favorite		te	
		Favorite Flight Plans				
Flight Rule	Aircraft ID	Manage Favorites		Aircraft E	quipment	No. of Aircraft
~		PERSONAL				
		MIA TO 05CA				
Departure	Airport	MIA TO MEX	<u>&amp; Time</u>		Evaluate	Route of Flight (B
				UTO	7	

Fill out the Flight Plan form and click on the File button to be added to your Recent Flight Plan list. Up to 30 Flight Plans that have been filed recently will get

added to the Recent Flight Plans which are available to be selected from the pull down menu.



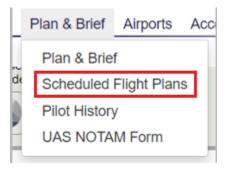
### I. Pre-Stored Flight Plans (Scheduled Flight Plans)

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

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

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

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



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

S	cheduled Flight F	Plans		Chedule Sumn	nary	Instructions
Aircraft ID	Departure	Destination	Departure Time	Start Date	Stop Date	How to add, delete, modify, and schedule flight plans
1	No Scheduled Flight P	lans				
	Click row to view flight p	olan		Click row to view sche	dule	]
ICAO   Do	mestic					
CAO Flight P	lan					
Click field names	s for help <u>Aircrat</u>	t ID:				
	Elight F					
	Flight Type (Optio					
Nu	mber of Aircraft (Optio					
	Aircraft T	ype:				
W	/ake Turbulence Categ	ion: 💌				
	Aircraft Equipm		P			
	Surveillance Equipm		ą			
	Departure Aerodro					
	Cruising Sp					
		evel:			-	
	Route of FI	ig <u>ht:</u>				
	Destination Aerodro	ame:				
Tota	I Estimated Elapsed T	ime: HHMM				
Alternat	te Aerodrome 1 (Optio	nal):				
Alternat	le Aerodrome 2 (Optio	nal):				
Ot	her Information (Optio	nal):			p	
Supplementary	/ Information					
Aircraft Co	olor & Markings (Optio	nal):	D.			
Emergency Eq						
		<u>ient:</u> □ Polar □ Desert [ <u>fios:</u> □ UHF □ VHF □ E				
		<u>kets:</u> 🗆 Light 🗆 Fluoresce				
Dinghies						
	Number (Optio	nal):				
	Capacity (Optio	nal):				
	Covered (Optio					
	Color (Optio					
	Supplemental Rema (Optic	arks: mal)				
	Pilot in Comm (Optic	and: onal)				
Save Flight Pla	an 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.

Sc	heduled Flight	Plans
Aircraft ID	Departure	Destination
N1234	BWI	SEA
N1234	JFK270010	2700N08100W
N123456	KJFK	MROC
N123456	JFK	
Click row to view	v 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.

Scl	hedule Summ	ary
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 se	chedule	

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

iii. Flight Plan Area

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

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

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



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

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

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

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

• Saving Scheduled Flight Plans

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

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

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

When the Save Flight Plan button is pressed, the new or modified scheduled flight plan is validated. Saving a scheduled flight plan will follow the same validation

process and error responses as filing a flight plan on the Flight Planning and Briefing Page. Reference **Flight Planning Restrictions** for additional error conditions and required dialog responses relating to route validation, SFRA/FRZ penetration, Canadian departures, and altitude conflicts.

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

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

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

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

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

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

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

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

• Domestic Mask

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

Domestic Flight Plan		
* Click field names for help Flight Rule:		
Aircraft ID:	· · · · · · · · · · · · · · · · · · ·	
Number of Aircraft (Optional);		
Aircraft Type:		
Aircraft Equipment:		~
Heavy Wake Turbulence:		
Airspeed:		
Departure Point:	٩	
<u>Altitude:</u>		
Route of Flight: (Leave blank for direct)		
Destination Point:	٩	
Estimated Time Enroute:	HHMM	
Remarks (Optional);		
Alternate Airport (Optional):		
Alternate Airport 2 (Optional):	٩	
Aircraft Color:	٩	
Save Flight Plan 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	
* Click field names for help	
Aircraft ID:	*
Flight Rule:	
Flight Type (Optional):	
Number of Aircraft (Optional):	
Aircraft Type:	٩
Wake Turbulence Category:	
Aircraft Equipment:	٩
Surveillance Equipment	٩
Departure Aerodrome:	
Cruising Speed:	
Level:	
Route of Flight:	
Destination Aerodrome:	
Total Estimated Elapsed Time:	
Alternate Aerodrome 1 (Optional):	٩
Alternate Aerodrome 2 (Optional):	
Other Information (Optional):	٩
Supplementary Information	
Aircraft Color & Markings (Optional):	٩
Emergency Equipment	
Survival Equipment:	Polar Desert Maritime Jungle
Emergency Radios:	
Jackets:	Light OFluorescent OUHF OVHF
Dinghies	
Number (Optional):	
Capacity (Optional):	
Covered (Optional):	
Color (Optional):	
Supplemental Remarks: (Optional)	
Pilot in Command: (Optional)	
Save Flight Plan Clear	

Refer to section 7.1.b for ICAO Flight Plan Form validation rules.

Note that placing the mouse over a field label or clicking on the field label will also display the validation rules for that field.

iv. Schedule Dialog

The Schedule Dialog allows a pilot to add, view, modify, and delete schedules for scheduled flight plans. This dialog is displayed whenever the user selects an existing schedule to edit or clicks the "Add Schedule" button in the Scheduled Flight Plan Area.

Schedule
Note: A scheduled flight plan must have at least one schedule.
Departure Time (UTC): HHMM
Start Date: 06/27/2014
Stop Date: MM/DD/YYYY
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 1 +
Once a month on the First v Sunday v
Save Delete Cancel

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.

	PL	AN SCHEDULE CONTROLS
Button Name	Description	Action on Click
Plan Schedule Co	ontrols	
Save	Save the current schedule and plan.	If Departure Time or Start Date contains no data then the red text "Required" will be displayed under the field. If Stop Date radio button is selected and Stop Date contains no data then the red text "Required" will be displayed under the field. If Departure Time contains invalid data, then the red text "Invalid Time" will be displayed under the field. If Start Date or Stop Date contains invalid data, then the red text "Invalid Time" will Date" will be displayed under the field with invalid data. 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." If the schedule save is associated with a new scheduled flight plan that
		<ul> <li>does not pass the route restrictions , the associated error dialog will be displayed and all entered schedule information will be lost.</li> <li>Otherwise, the following will occur: <ul> <li>The full pre-stored flight plan form and schedules are saved to the pre-filed plan system.</li> <li>The Schedule Dialog is closed.</li> <li>A success dialog is opened and contains the message "Scheduled flight plan was updated</li> </ul> </li> </ul>
Delete	Delete the current schedule from the plan.	<ul> <li>The schedule is deleted from the schedule list and the full pre-stored flight plan form and remaining schedules are saved.</li> <li>The Schedule Dialog is closed.</li> <li>A success dialog is opened and contains the message "Scheduled flight plan was updated."</li> </ul>
Cancel	Close this dialog without saving.	<ul><li>The Schedule Dialog is closed.</li><li>If an existing schedule was displayed, any modifications to the schedule are discarded and the schedule remains unchanged.</li><li>If the dialog was for a new schedule, any input data is discarded.</li></ul>

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

	PLAN SCHEDULE FIEL	DS
Field Name	Description	Expected Data Format
Plan Scheduled Field	S	
Departure Time (UTC)	Departure time for the flight in UTC.	ННММ
Start Date	Displays the starting date for the schedule recurrence of this flight plan.	8 digits separated by "/" MM/DD/YYYY
	On click: The date selector is displayed.	Must be earlier than Stop Date
Stop Date Radio Button	Indicates that the scheduled recurrence of this flight plan has an end date.	Selected/Not Selected
	<b>On click:</b> The Stop Date field is enabled.	
Stop Date	Displays the ending date for the scheduled recurrence of this flight plan.	8 digits separated by "/" MM/DD/YYYY
	<b>On click:</b> The date selector is displayed.	If a Stop Date is specified, it must be later than Start Date
No Stop Date Radio Button	Indicates that the scheduled recurrence of this flight plan has no end date.	On click: The Stop Date field is disabled.
		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.

	PLAN SCHEDULE FIEL	DS
Field Name	Description	Expected Data Format
Automatically adjust for daylight savings time check box	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).	Checked/Unchecked
	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.	
Every week on radio button	Indicates that the recurrence pattern is weekly on specified days of the week. The following 3 radio buttons are in a radio button group and only one of these radio	Selected/Unselected
	<ul> <li>button group and only one of these radio</li> <li>buttons can be selected at a time:</li> <li>"Every week on"</li> <li>"Once a month on the" day of month</li> <li>"Once a month on the" week/day of week</li> </ul>	
Days of the week check boxes	Displays the days of the week that the flight plan will be filed every week. Note that the user may specify that a recurrence is daily simply by selecting all of the checkboxes.	Checked/Unchecked
Once a month on the day of month radio button	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.	Selected/Unselected
	The following 3 radio buttons are in a radio button group and only one of these radio buttons can be selected at a time:	
Day of the month drop down box	Displays the day of the month, 1-31, that the flight plan will be filed.	Select a value in the drop down list.
	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.	
Once a month on the week/day of week radio button	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).	Selected/Unselected
	<ul> <li>The following 3 radio buttons are in a radio button group and only one of these radio buttons can be selected at a time:</li> <li>"Every week on"</li> <li>"Once a month on the" day of month</li> <li>"Once a month on the" week/day of week</li> </ul>	
Week drop down box	Displays the week of the month for this recurrence pattern.	Select a value in the drop down list.
Day of week drop down box	Displays the day of the week for this monthly recurrence pattern.	Select a value in the drop down list.

DataComm (CPDLC) Dialog:

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

DataComm (CPDLC)	
Aircraft Equipment codes J1-J7 indicate that you (CPDLC) capable, which means that the Other I appropriate data for REG/ and DAT/ subfields.	
To enable DataComm, please press "Cancel" to form and enter your tail number in the REG/ su capabilities, please enter the corresponding cod	bfield. To specify DataComm
To opt out of DataComm services and continue press "Continue".	your flight plan action, please
	Continue Cancel

#### m. Sunrise and Sunset Times (ICAO Flight Planning only)

The calculated sunrise and sunset times are displayed in the departure and destination sections of the ICAO flight plan when a valid departure or destination are entered along with a valid departure date/time and timezone. The values are displayed below the location text field.

Departure		Airport Info
PRC	ρ	Area Brief
Sunrise: 1251 UTC Sunset: 0206 UTC		

## 9.2. Briefing Customization

The Briefing Customization dialog allows briefing parameters (settings and filter options) to be selected prior to generating the briefing output. The dialog is accessed from the Flight Planning and Briefing page when either the Route Brief button or an Area Brief button on the form is selected after entering valid required data into the form. If any required field on the form fails validation, a popup message appears detailing the error. If the aircraft being used for this navigation log request does not contain aircraft performance data (Account>Aircraft), then the navigation log will not be able to calculate fuel consumption nor determine the top of climb and top of descent locations (this can be seen in the image below).

Briefing Customization			
Briefing Type:	Standard	Abbreviated	Outlook
Route Settings:       Briefing Corridor     50 • nm       Winds Aloft Corridor     200 • nm	Briefing Output	-	ude NextGen Content
Briefing Content Filters:         Include Evaluate Departure Time Detail         For briefings > FL180 only include Dep         Only include most recent METARs         Only include Winds Aloft for altitudes w	& Dest METARs &	altitude	
Only include En Route Obstruction NO Include En Route NAV NOTAMS: DME DME ILS TACAN	TAMs above the file	R C	) VOR-DME ) Other
CHART 🗹 DVA			SID STAR
Include Optional Briefing Products:	<ul> <li>NHC Bulletins</li> <li>Non-Location F</li> </ul>	C NOTAMS	State Department NOTAMs
* The briefing results are not tailored to your Aircraft.	aircraft's perform	ance. Enter your ai	rcraft's information at Account >
Web Briefing PDF Briefing	Email Briefing		Cancel

The filter options available in the dialog are updated dynamically based on the selection of type (Standard, Abbreviated, Outlook) and briefing content (for Abbreviated briefings). Additionally, some filters are not applicable to Area Briefings and are subsequently not displayed.

With a few noted exceptions, all values selected are saved to the user's profile, and will be retrieved for future briefings.

## a. Standard Briefing

Briefing Type:	Standard Abbreviate	ed Outlook	
ute Settings:	Briefing Output Settings:		
Briefing Corridor 50 🗸 nm	Include Graphics	Include NextGen Content	t
Winds Aloft Corridor 200 🗸 nm	Plain Text Translations		
efing Content Filters:			
Include Evaluate Departure Time Departure	etails What's this?		
For briefings > FL180 only include E	0ep & Dest METARs & TAFs		
Only include most recent METARs			
Only include Winds Aloft for altitude	s within 4000ft of filed altitude		
Only include En Route Obstruction I	NOTAMs above the filed altitude minu	us 1000ft	
Include En Route NAV NOTAMs:			
		VOR-DME	
ILS TACA	N ORTAC	Other	
Include FDC NOTAMS: What's this?			
🗆 AIRSPACE 🗹 DATA	IAP ROUTE		STAR
CHART DVA	🗹 ODP 🛛 SECURITY	SPECIAL 🗹 🗸	VFP
Include Optional Briefing Products:			OTAL
Flow Control Messages Military NOTAMs	<ul> <li>NHC Bulletins</li> <li>Non-Location FDC NOTAMs</li> </ul>	State Department N	IOTAMS
/eb Briefing PDF Briefing	Email Briefing		Cancel
PDF Briefing	Email Briefing		Cancel
	Email Briefing Standard Abbreviate	d Outlook	Cancel
fing Customization Briefing Type:	Standard Abbreviate Briefing Output Settings:		Cancel
fing Customization Briefing Type:	Standard Abbreviate Briefing Output Settings:	d Outlook	Cancel
fing Customization Briefing Type:	Standard Abbreviate Briefing Output Settings: C Include Graphics C		Cancel
Image: Second state settings:         Intersecting Corridor         50 v         Image: Second state	Standard Abbreviate Briefing Output Settings: Conclude Graphics Conclusions Delain Text Translations		Cancel
Image: Section	Standard Abbreviate Briefing Output Settings: Conclude Graphics Conclusions Plain Text Translations tails What's this?		Cancel
Image: Section	Standard Abbreviate Briefing Output Settings: Conclude Graphics Conclusions Plain Text Translations tails What's this?		Cancel
Image: Section	Standard Abbreviate Briefing Output Settings: Concerning Output Setting: Concernin		Cancel
Image: Section	Standard Abbreviate Briefing Output Settings: Conclude Graphics Plain Text Translations tails What's this? ep & Dest METARs & TAFs within 4000ft of filed altitude	Include NextGen Content	Cancel
Image: Section	Standard Abbreviate Briefing Output Settings: Conclude Graphics Plain Text Translations tails What's this? ep & Dest METARs & TAFs within 4000ft of filed altitude	Include NextGen Content	Cancel
	Standard Abbreviate Briefing Output Settings: Conclude Graphics Plain Text Translations tails What's this? ep & Dest METARs & TAFs within 4000ft of filed altitude	Include NextGen Content	Cancel
fing Customization  Briefing Type:  Ite Settings:  Ite Settings: Ite Settings:  Ite Settings: Ite	Standard Abbreviate Briefing Output Settings: Concerning Output Setting Outp	Include NextGen Content	Cancel
Image: Section	Standard Abbreviate Briefing Output Settings: Concerning Output Setting Outp	s 1000ft	Cancel
Image: Section	Standard Abbreviate Briefing Output Settings: Concerning Output Setting Outp	s 1000ft	
Include En Route NAV NOTAMS:         Include FDC NOTAMS: What's this?	Standard Abbreviate Briefing Output Settings: Concerning Output Setting Outp	Include NextGen Content s 1000ft VOR-DME Other SID Z S	TAR
Include En Route NAV NOTAMS:         Only include En Route NAV NOTAMS:         Only include En Route NAV NOTAMS:         Only include En Route Obstruction N         Include En Route NAV NOTAMS:         OME       NDB         ILS       TACAN         Include FDC NOTAMS:       Vinds this?	Standard       Abbreviate         Briefing Output Settings:       Include Graphics         Include Graphics       Image: Comparison of the set	Include NextGen Content s 1000ft VOR-DME Other SID Z S	TAR
Include Evaluate Departure Time Det         Include Evaluate Departure Time Det         For briefings > FL180 only include De         Only include most recent METARs         Only include En Route Obstruction N         Include E Route NAV NOTAMS:         DME       NDB         ILS       TACAN         Include FDC NOTAMS: What's this?         AIRSPACE       DATA         ✓ CHART       DVA	Standard       Abbreviate         Briefing Output Settings:       Include Graphics         Include Graphics       Image: Comparison of the set	Include NextGen Content s 1000ft VOR-DME Other SID Z S	TAR
Include FDC NOTAMS:         ILS	Standard       Abbreviate         Briefing Output Settings:       Include Graphics         Include Graphics       Image: Comparison of the set	s 1000ft UVOR-DME Other SID SPECIAL V	TAR
Include EPC NOTAMS:         ILS         INCLUGE OPTIONAL STREACE         INCLUGE OPTIONE STREACE         INCLUGE	Standard       Abbreviate         Briefing Output Settings:       Include Graphics         Include Graphics       Image: Comparison of the set	Include NextGen Content  S 1000ft  VOR-DME  Other  SID SPECIAL V State Department NC	TAR FP DTAMs
Include En Route NAV NOTAMS:         DME       DME         ILS       TACAN         Include EC NOTAMS:       What's this?         ILS       TACAN         Include FDC NOTAMS:       What's this?         ILS       TACAN         Include FDC NOTAMS:       What's this?         ILS       TACAN         Include FDC NOTAMS:       What's this?         ILS       DATA         ✓ CHART       ✓ DVA         Include Optional Briefing Products:       Flow Control Messages         ✓ Military NOTAMS	Standard       Abbreviate         Briefing Output Settings:       Include Graphics         Include Graphics       Image: Comparison of the set	Include NextGen Content  S 1000ft  VOR-DME  Other  SID SPECIAL V State Department NC	TAR FP DTAMs

Standard Route Brief options. Area Brief options will differ slightly.

When Standard is selected as the Briefing Type, the Briefing Customization dialog will adjust the Briefing Content Filter options to show those pertaining to Standard briefings.

## b. Abbreviated Briefing

Briefing Customization				
Briefing Type:	Standard	Abbreviated	Outlook	
Route Settings:         Briefing Corridor       50 •         Winds Aloft Corridor       200 •         nm	Briefing Outpur	_	lude NextGen Content	t
Select Briefing Contents: All No Adverse Conditions Temporary Flight Restrictions Closed/Unsafe NOTAMs Convective SIGMETs SIGMETs G.AIRMETs/AIRMETs IFR Mountain Obscuration Cloing Freezing Level Turbulence Low Altitude Turbulence High Altitude Winds Over 30 Knots Low Level Wind Shear Other Urgent PIREPs & AIREPs Center Weather Advisories Severe Weather Volcanic Ash Advisories	Synopsis & Curre Synopsis/Surface METARs PIREPs & AIREPs Forecasts Flight Category Ceiling Visibility Cloud Cover Cloud Top Cloud Base Precipitation Thunder Coverage Winds Surface Winds Freezing Level TAFs Winds Aloft Area Forecast Convective Outloo	Analysis ()	NOTAMs Departure Destination Alternate 1 Alternate 2 En Route Communicatio Service Obstruction Airspace Special Use A Runway/Taxiw Aerodrome/FD Other/Unverifi Military General FDC International Uncategorized Other Flow Control UAS Operating Are NHC Bulletins	irspace /ay/Apron/ C ed
Briefing Content Filters:   Include Evaluate Departure Time D For briefings > FL180 only include D Only include most recent METARs Only include En Route Obstruction Include En Route NAV NOTAMS: DME DME ILS Include FDC NOTAMS: What's this? AIRSPACE CHART DVA	Dep & Dest METARs & s within 4000ft of filed a NOTAMs above the file B	ltitude	OVOR-DME Other SID	STAR
* The briefing results are not tailored to Aircraft.	your aircraft's perform	nance. Enter your ai	rcraft's information a	it Account >
Web Briefing PDF Briefing	Email Briefing	)		Cancel

Briefing Customization				
Briefing Type:	Standard	Abbreviated	Outlook	
Route Settings:       Briefing Corridor       50       Winds Aloft Corridor       200       nm	Briefing Outpu		ude NextGen Content	
Select Briefing Contents: All No	ne Synopsis & Curr	ent Wx	NOTAMs       Departure       Destination       Alternate 1	
Temporary Flight Restrictions  Closed/Unsafe NOTAMs  Convective SIGMETs  SIGMETs  GAIRMETs/AIRMETs	Synopsis/Surface		Alternate 2 En Route Navigation Communication Service	
GATRINE IS/AIRWE IS     IFR     Mountain Obscuration     Icing     Freezing Level     Turbulence Low Altitude     Turbulence High Altitude	<ul> <li>Flight Category</li> <li>✓ Ceiling</li> <li>Visibility</li> <li>Cloud Cover</li> <li>Cloud Top</li> <li>Cloud Base</li> </ul>		Obstruction     Airspace     Special Use Airspace     Runway/Taxiway/Apron/     Aerodrome/FDC     Other/Unverified	
<ul> <li>Winds Over 30 Knots</li> <li>Low Level Wind Shear</li> <li>Other</li> <li>Urgent PIREPs &amp; AIREPs</li> <li>Center Weather Advisories</li> <li>Severe Weather</li> </ul>	Precipitation     Thunder Coverag     Winds     Surface Winds     Freezing Level     TAFs	e ((	Military General FDC International Uncategorized Other	
Volcanic Ash Advisories	Winds Aloft  Krea Forecast  Convective Outloo	(	✓ Flow Control UAS Operating Areas ✓ NHC Bulletins	
Briefing Content Filters: Include Evaluate Departure Time De For briefings > FL180 only include E Only include most recent METARs Only include Winds Aloft for altitude Only include En Route Obstruction I Include En Route NAY NOTAMS:	ep & Dest METARs &	ltitude	ñ	
DME ND ILS TAC Include FDC NOTAMS: What's this?	CAN 🗌	VOR VORTAC	□ VOR-DME □ Other	
AIRSPACE Z DATA CHART Z DVA	✓ IAP ✓ ODP	ROUTE	SID STAR SPECIAL VFP	
The briefing results are not tailored to Aircraft.	your aircraft's perforn	nance. Enter your ai	rcraft's information at Account >	
Web Briefing PDF Briefing	Email Briefing	]	Cano	el

depicts Abbreviated Route Brief options. Area Brief options will differ slightly.

When Abbreviated is selected as the Briefing Type, the Briefing Customization dialog will display Briefing Content checkboxes to personalize the briefing output by selecting

the desired briefing products to display. The Adverse Conditions group will always be selected by default.

Furthermore, the dialog will adjust the Briefing Content Filter options when certain briefing products are selected.

#### c. Outlook Briefing

Briefing Customization				
Briefing Type:	Standard	Abbreviated	Outlook	
Route Settings:       Briefing Corridor       50       Winds Aloft Corridor       200       nm	Briefing Outpu		ude NextGen Content	
Briefing Content Filters: For briefings > FL180 only include I Only include Winds Aloft for altitude		d altitude		
* The briefing results are not tailored to y Aircraft. Web Briefing PDF Briefing	rour aircraft's perforr Email Briefing	mance. Enter your air	rcraft's information at	Account > Cancel
Briefing Customization				
Briefing Type:	Standard	Abbreviated	Outlook	
Briefing Type:	Briefing Output	t Settings:	Outlook Ide NextGen Content	
Route Settings: Briefing Corridor	Briefing Output Include Gr Plain Text	t Settings: aphics 🗹 Inclu Translations		
Route Settings: Briefing Corridor 50   nm Winds Aloft Corridor 200   nm Briefing Content Filters: For briefings > FL180 only include D	Briefing Output Include Gr Plain Text Dep & Dest TAFs s within 4000ft of filed	t Settings: aphics 🗹 Inclu Translations altitude	ide NextGen Content	Account >

depicts Outlook Route Brief options. Area Brief options will differ slightly.

When Outlook is selected as the Briefing Type, the Briefing Customization dialog will adjust the Briefing Content Filter options to show only those pertaining to Outlook briefings.

d. Route Settings

Route Settings:		
Briefing Corridor	50 🗸	nm
Winds Aloft Corridor	200 🗸	nm

The Route Settings section within the Briefing Customization dialog contains dropdown menus used to select the corridor width around the route for both winds aloft and all other briefing data.

Options for the route Briefing Corridor are 50, 75, and 100 nautical miles with a default value of 50 nm. Options for the route Winds Aloft Corridor are 100, 200, 300, and 600 nautical miles with a default of 200 nm.

#### e. Area Settings

Area Settings:				
Area Briefing Radius	25	$\sim$	nm	
Winds Aloft Briefing Radius	100	~	nm	

For Area Briefings, the Area Settings section within the Briefing Customization dialog contains dropdown menus used to select the radius around the selected area for both winds aloft and all other briefing data.

Options for the Area Briefing Radius are 25, 50, 75, and 100 nautical miles with a default value of 25 nm. Options for the Winds Aloft Briefing Radius are 50, 100, 150, and 300 nautical miles with a default of 100 nm.

Area Settings selections made on the Briefing Customization window for any of the four locations (Departure, Destination, Alternate 1, and Alternate 2) will set the values for all four.

#### f. Briefing Output Settings

The Briefing Output Settings section on the Briefing Customization dialog contains checkboxes used to enable or disable settings that alter briefing output for NextGen briefings:

- Include Graphics
  - Display graphical representations of the route and each briefing product, if available
- Include NextGen Content:
  - Displays briefing with NEXTGEN features:
    - Translated summaries of adverse conditions
    - Customized graphics for individual briefing conditions
    - Anticipated times and locations of the flight intersecting conditions

- Highlighting and color coding of important conditions
- Filtering of extraneous information not applicable to the flight
- Plain Text Translations
  - o Displays briefing data translated to plain readable text

#### g. Briefing Content Filters

The Briefing Content Filters section within the Briefing Customization dialog provides content filters that can be used to reduce the size of the briefing output. The filters are dynamically displayed based on briefing type and whether Route or Area brief is selected.

#### h. Briefing Output

Web Briefing	PDF Briefing	Email Briefing	Cancel

The Web Briefing button generates an HTML briefing in a new browser window.

Web Briefing	PDF Briefing	Email Briefing	Cancel

The PDF Briefing button generates a PDF-based briefing in a new browser window or within a device's default PDF viewing software.

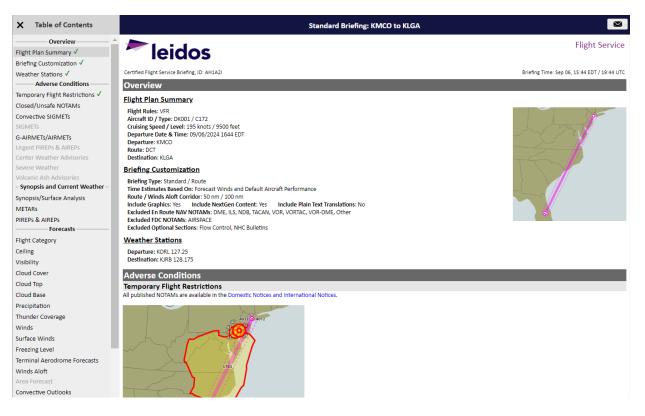
A PDF copy of each requested briefing, regardless of the type requested, will be accessible in account holders' Pilot History for 45 days.

The Email Briefing button schedules a briefing to be emailed to the provided email address. Clicking the button will popup a dialog that accepts a date and time for specifying when to send the briefing. Email addreses can be entered, in addition to the default email address, as recipients of the scheduled briefing . Upon successfully scheduling a briefing, a subsequent popup containing a Register for Updates button is presented. This button enables registration for briefing updates if the scheduled briefing is less than 48 hours from the current time.

Email Briefing	
Send Briefing at: Date (MM/DD/YYYY): 10/15/2019	
Time (HHMM): 1525 CDT v	Email Briefing
Email briefing to:	The email was successfully scheduled.
When email is sent, email addresses will be added to Account > User	You may register for Briefing Updates to be sent for adverse conditions and synopsis information received after this briefing, for this flight.
Send Cancel	Register for Briefing Updates Close

Emailed briefings will be displayed as a PDF attachment to the email for NextGen briefings.





The NextGen Web briefing window provides users with weather and other data pertinent to the route of flight in a simple, scrollable format.

NextGen briefings can be viewed in either web HTML or PDF format. Regardless of the format requested, a dialog will popup upon the request showing the progress of the briefing preparation.

Briefi	ng Status
	Your briefing is being prepared:
to vie	version of this briefing will be available v or download from your Pilot History to 45 days.

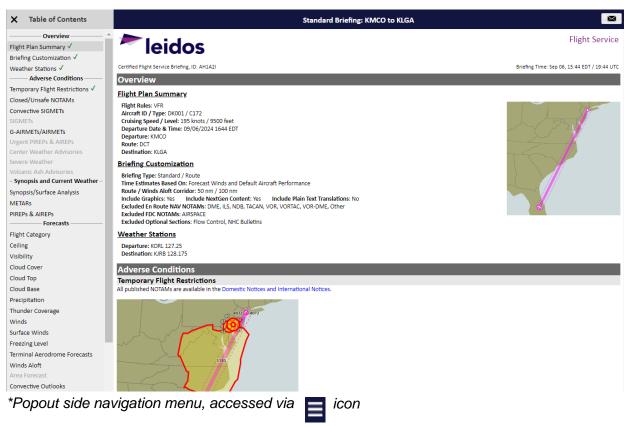
#### a. NextGen Web Briefing Menu

When a Web Briefing is selected, the NextGen briefing window supports two sets of navigation controls: a dropdown selection menu and a popout navigation menu on the left side of the window. The NextGen briefing window appears with navigation menu open.

Both menus will mark sections as viewed with a green checkmark when the section has been clicked into view from the menu list or scrolled into view as the user passes through each section.



\*Dropdown navigation menu



#### b. Email Briefing

The NextGen Web Briefing window has an email icon button to allow the user to email the current briefing as a PDF attachment.

Flight Plan Summary	Standard Briefing: KMSP to KORD	
leidos		Flight Service
Certified Flight Service Briefing, ID: AA1IAX	Br	riefing Time: Oct 16, 08:05 CDT / 13:05 UTC

When the button is clicked, a popup dialog will display for the user to select an existing email address or add a new email address to receive the briefing. Clicking the Send button with a valid email address entered will submit the email briefing request and display a subsequent dialog.

Email Briefing ×	
Email briefing to:	
vendor_healthcheck@emulator.com	Email Briefing ×
When email is sent, email addresses will be added to Account > User	The email was successfully sent.
Send Cancel	ОК

# 9.4. Navigation Log

Navigation Log is used by the pilot as a tool for flight planning, for example to compute estimated time enroute for the flight plan or to compute fuel consumption.

The NavLog button is available on the Flight Plan form.



When the NavLog button is clicked, the Navigation Log Customization dialog is displayed with the various options to format the requested navigation log.

#### a. Navigation Log Customization Dialog

The Navigation Log Customization dialog provides the capability to customize the requested navigation log. If the aircraft being used for this navigation log request does not contain aircraft performance data (Account>Aircraft), then the navigation log will not be able to calculate fuel consumption nor determine the top of climb and top of descent locations.

	Navigation Log Customization			
Navigation Log Customization	To tailor future Briefings, NavLogs, and Estimated Elapsed Time calculations, enter your aircraft's information at Account > Aircraft. Without aircraft performance characteristics fuel usage cannot be			
Note: NavLog calculations are generated using 6 hours of forecast wind data. Data for the 6th hour is used for calculations beyond 6 hours.	calculated and displaying top of climb/descent is not supported. <b>Note:</b> NavLog calculations are generated using 6 hours of forecast wind data. Data for the 6th hour is used for calculations beyond 6 hours.			
NavLog Settings:  No-Winds Navigation Log  Display Top of Climb/Top of Descent	NavLog Settings:           No-Winds Navigation Log           Display Top of Climb/Top of Descent			
Airway Options:      Display Only Airway Entry/Exit Fixes     Display All Airway Fixes	Airway Options:      Display Only Airway Entry/Exit Fixes     Display All Airway Fixes			
NavLog Format: Kneeboard O Full Page	NavLog Format: Kneeboard O Full Page			
Generate PDF Send Email Cancel	Generate PDF Send Email Cancel			

i. Generate PDF

If the user clicks on the Generate PDF button, the system requests a Navigation Log.

If the Navigation Log request is successful, the system will display the Navigation Log Results page in a new browser window; otherwise, the system displays an error message.

ii. Send Email

If the user clicks on the Send Email button, the Email Navigation Log dialog is displayed. This dialog allows entry of email addresses to which the Navlog will be sent. Pressing the Send button generates the NavLog and emails it.

	Log	
Email Navigation Lo	g to:	
vandar haalthah	-	
vendor_healthch	leck@emulator	.com
B		

iii. Cancel

If the user clicks the Cancel button, the system closes the Navigation Log Customization dialog and no navigation log is generated.

iv. No-Winds Navigation Log

If the user checks the No Winds checkbox, the navigation log results will contain information that is calculated without using winds aloft data.

The checkbox is not checked by default.

v. Display Top of Climb/Top of Descent

If the user checks the Display Top of Climb/Top of Descent checkbox, the navigation log results will display the rows at which the aircraft reaches the top of climb and top of descent. Aircraft performance data needs to be set in order to show these rows. If the aircraft does not have performance data, this checkbox will be disabled.

The checkbox is not checked by default.

vi. Display Only Airway Entry/Exit Fixes or Display All Airway Fixes

The user can choose to see all airway fixes along the route, or only those entered in the route of flight field along with the entry and exit points to airways. Airways could be one of the following; airways, radials, military training routes (MTRs), departure procedures (SIDs), and standard arrival procedures (STARs).

#### vii. Navlog Format

a) Kneeboard

Selecting "Kneeboard" format results in a two-column landscape oriented navigation log intended to be printed for use on a kneeboard.

 b) Full page Selecting "Full page" format results in a single-column portrait oriented navigation log.

#### b. Popups Disabled

If your browser is configured to block popups and www.1800wxbrief.com 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.

Request Complete
Your browser appears to be configured to block pop-up windows.
We recommend adding www.1800wxbrief.com to your list of websites where pop-up windows are allowed.
Click OK to bypass the pop-up blocker this time and display the requested pop-up window.
ОК

#### c. Navigation Log Results Page

The Navigation Log Results are compiled using aircraft performance data (Account > Aircraft), navigation data (Route of flight) and weather data (winds and temperature aloft, forecast or actual).

If the aircraft does not have performance data, then a navigation log results page is generated without fuel consumption.

i. Navigation Log with Aircraft Performance Data (Full Page format)

With aircraft performance data, fuel burn is calculated. Here is an example in full page format:

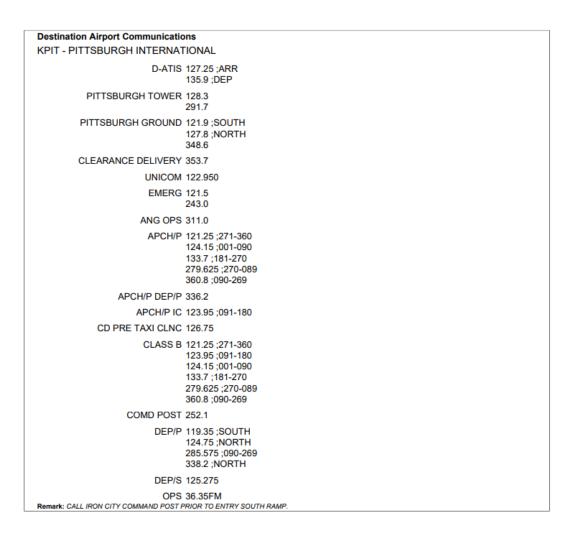
NavLog generate				www.180	Owxbrief.co			
ATIS:			0.00	Cleared to:				
AWOS/ASOS: None v	within 10nm		Depa	irt:				
UNICOM: 122.950								
CTAF: 132.400								
Clearance Del:								
Ground:								
Tower:	Altitude:							
Departure:			Dep	Frq/Squaw	c		1	
FSS: EMI 117.90 122	.1R							
KFDK CONLE4 SCO	DB TAPPA V286	AANTS V39 MRB V501 H	IGR VINSE D	DEMME5 K	PIT			
ATD	ETE	ETA	Total Dist	ance	Fuel	Pequired	Fuel	Available
	04:20	510	447 n			Fuel Required 17.9 gal		
Fix	0.1.20	Morse Code	Wind	MH	Leg	ETE	Alt (ft)	Leg Fuel
		Freq	Temp	MC	Rem	ATE	GS (kt)	Total
KFDK > CONLE4			253/008	-	(nm)			(gal)
39°25.0' / -77°22.5'			016	142	130	00:54	10000	5.0+2.7
CONLE4 > SCOOB			264/019	141	317	00.01	143	7.7
37°35.5' / -76°37.8'			005 259/019 005	336	25 292	00:16	10000	0.8
TAPPA > V286				347			92	8.5
37°58.2' / -76°50.7'				313	92 200	01:04	10000	3.2
V286 > AANTS > V3	9		257/016	324			87	11.7
38°43.1' / -78°27.8'	-		004	041	49	00:26	10000	1.3
V39 > MRB > V501			255/015	046	151		111	13.0
39°23.1' / -77°50.9'		112.1	004	002	19	00:11	10000	0.5
V501 > HGR			248/016	010	132		103	13.5
39°41.9' / -77°51.3'		109.8	004	346	17	00:10	10000	0.5
VINSE > DEMME5			247/019	355	115	00.10	101	14.0
39°58.3' / -77°57.4'			004	276	115	01:19	1200	3.9
DEMME5 > KPIT			222/008	282	0		88	17.9
40°29.5' / -80°14.0'			023	Dep			<b>-</b>	
ATIS:				-				
AWOS/ASOS: None v	within 10nm			1				
Approach:				1				
UNICOM: 122.950								
CTAF: None				Dest				
Tower:								
				1				
Ground:								

**Departure Airport Communications KFDK - FREDERICK MUNI** ATIS 124.875 FREDERICK TOWER 132.4 CTAF 132.400 FREDERICK GROUND 121.975 CLEARANCE DELIVERY 121.975 UNICOM 122.950 POTOMAC TRACON APCH/P 126.1 DEP/P 338.25 POTOMAC TRACON CD/P 126.9 ;WHEN TWR CLSD POTOMAC TRACON CONLE DP 126.1 338.25 POTOMAC TRACON TERPZ DP 126.1 338.25 POTOMAC TRACON TRSTN 126.75 STAR 307.2 Remark: POTOMAC CD 126.9 OR 866-709-4993 (WHEN TWR CLSD).

#### Flight Service Station Communications

RADIO LEESBURG WESTMINSTER (EMI) VORTAC 117.90 122.1R WASHINGTON (DCA) RCO 122.2 BROOKE (BRV) VORTAC 114.50 122.1R PATUXENT (PXT) RCO 122.5 MARTINSBURG (MRB) RCO 122.2 RADIO ALTOONA

ALTOONA (AOO) RCO 122.2 ALLEGHENY (AGC) RCO 122.2 ELLWOOD CITY (EWC) VOR/DME 115.80 122.1R



ii. Navigation Log without Aircraft Performance Data (Kneeboard format)

The Fuel Burn will not be calculated if the navigation log is generated without performance data. Here is an example in kneeboard format:

ATIS:		09/12 14:562	Cle	ared to		www.18	800wxb	rief.com	Fix Morse Code Freq	· ·	MH MC	Leg Rem (nm)	ETE ATE	Alt (ft) GS (kt)	Leg Fue Total
AWOS/ASOS UNICOM: 12		in 10nm	Dep	part:					VINSE > DEMME5 39°58.3' / -77°57.4'	247/019 004	276	115	01:12	10000	
CTAF: 132.4	00								DEMME5 > KPIT	222/008	282	0	01.12	96	
Clearance De	el:								40°29.5' / -80°14.0'	023	Dep				
Ground:									ATIS:		1 °				
Tower:			Alti	tude:					AWOS/ASOS: None within 10nm						
Departure:			Dep	Frq/S	Gquawk:		1		Approach:						
FSS: EMI 11	7.90 122.1R								UNICOM: 122.950		Dest				
									CTAF: None		Dest				
KFDK CONL	E4 SCOOB	TAPPA V286	ANTS V3	9 MRB	8 V501 H	IGR VIN	SE DEM	ME5 KPIT	Tower:						
ATD	ETE	ETA	Total Dis	tance	Fuel I	Required	I Fuel	Available	Ground:						
	04:30		447 n	m					FSS: AGC 122.2						
Fix		Morse Code Free		MH MC	Leg Rem (nm)	ETE ATE	Alt (ft) GS (kt)	Leg Fuel Total	Notes						
KFDK > CON			246/007		(,										
39°25.0' / -77	7°22.5'		020	144	130	01:11	10000								
CONLE4 > S			261/019	141	317		110		l						
37°35.5' / -76	5°37.8'		005	336	25	00:16	10000		l						
TAPPA > V2			259/019	347	292		93								
37°58.2' / -76	5°50.7'		005	313	92	01:04	10000								
V286 > AAN			257/016	324	200		86								
	3°27.8'		004	041	49	00:26	10000								
38°43.1' / -78				046	151		112								
V39 > MRB >					-										
V39 > MRB > 39°23.1' / -77	°50.9'	112.	004	002	19	00:11	10000								
V39 > MRB = 39°23.1' / -77 V501 > HGR	°50.9'	112.	004 246/016	002 010	19 132		104								
38°43.1' / -78 V39 > MRB > 39°23.1' / -77 V501 > HGR 39°41.9' / -77	°50.9'	112.	004 246/016	002	19	00:11									

Departure Airport Co	Departure Airport Communications						
KFDK - FREDERICK	( MUNI						
ATIS	124.875						
FREDERICK TOWER	132.4						
CTAF	132.400						
FREDERICK GROUND	121.975						
CLEARANCE DELIVERY	121.975						
UNICOM	122.950						
POTOMAC TRACON APCH/P DEP/P							
POTOMAC TRACON CD/P	126.9 ;WHEN TWR CLSD						
POTOMAC TRACON CONLE DP							
POTOMAC TRACON TERPZ DP							
POTOMAC TRACON TRSTN STAR Remark: POTOMAC CD 126.							

#### Flight Service Station Communications

RADIO LEESBURG WESTMINSTER (EMI) VORTAC 117.90 122.1R WASHINGTON (DCA) RCO 122.2 BROOKE (BRV) VORTAC 114.50 122.1R PATUXENT (PXT) RCO 122.5 MARTINSBURG (MRB) RCO 122.2 RADIO ALTOONA ALTOONA (AOO) RCO 122.2

ALLEGHENY (AGC) RCO 122.2 ELLWOOD CITY (EWC) VOR/DME 115.80 122.1R

Destination Airport Communications **KPIT - PITTSBURGH INTERNATIONAL** D-ATIS 127.25 ;ARR 135.9 ;DEP PITTSBURGH 128.3 **TOWER 291.7** 121.9 ;SOUTH PITTSBURGH GROUND 127.8 ;NORTH 348.6 CLEARANCE 353.7 DELIVERY UNICOM 122.950 EMERG 121.5 243.0 ANG OPS 311.0 APCH/P 121.25 ;271-360 124.15 ;001-090 133.7 ;181-270 279.625 ;270-089 360.8 ;090-269 APCH/P DEP/P 336.2 APCH/P IC 123.95 ;091-180 CD PRE TAXI CLNC 126.75 CLASS B 121.25 ;271-360 123.95 ;091-180 124.15 ;001-090 133.7 ;181-270 279.625 ;270-089 360.8 ;090-269 COMD POST 252.1 DEP/P 119.35 ;SOUTH 124.75 :NORTH 285.575 :090-269 338.2 ;NORTH DEP/S 125.275 OPS 36.35FM Remark: CALL IRON CITY COMMAND POST PRIOR TO ENTRY SOUTH RAMP.

iii. Navigation Log Results Page Description

The section describes the various sections of the Navigation Log Results Page.

Navigation Log Results Page Description							
Field Description Format Condition Appearance							
	Departure Information – Contains a series of labels which are used by the pilot to write in frequencies and other departure information.						
ATIS	For Pilot's note						
AWOS/ASOS	The closest automated weather obs point w	ervation station within 10 nautica vith associated frequencies.	I miles of the departure				

	Navigation Log Resu	Its Page Description	
Field	Description	Format	Conditional Appearance
UNICOM	List of any universal communica	tion frequencies associated with t	
CTAF		ory frequencies associated with the	
Clearance Del		For Pilot's note	
Ground		For Pilot's note	
Tower		For Pilot's note	
Departure		For Pilot's note	
FSS	The closest flight service station with		ure point with associated
		frequencies.	
Cleared To		For Pilot's note	
Depart		For Pilot's note	
Altitude		For Pilot's note	
Dep Frk/Squawk		For Pilot's note	
	ys a summary of the planned flight		
Route	Flight Plan Departure, Route of Flight, and Destination fields	Per Flight Plan page	N/A
ATD	Actual Time of Departure	For Pilot's note	N/A
ETE	Estimated Time Enroute is the total flight time	HH:MM	N/A
ETA	Estimated Time of Arrival	For Pilot's note	N/A
Total Distance	Total flight distance	NNNNN, nautical miles	N/A
Fuel Required	Total fuel used for this flight	In fuel units specified in the aircraft performance data	Displayed if aircraft profile has performance data
Fuel Available	Available fuel	N/A	N/A (For Pilot's note)
Navigation Informa	ation – Contains the following inform Contains the fixes, listed vertically,		
Fix (Airport)	in the order shown in the Route field from the Flight Plan page. Fixes can be: • Airports • Waypoints • Lat/Long • Fix/Radial/Distance (FRD) • Intersections • Navigational Aids Enroute airways are displayed as part of the Fix if the requested route is entering or exiting an airway at the fix. An airway can be an: • Airway • Departure Procedure (DP) • Standard Arrival Procedure (STAR) • Radial • Military Training Route Airport identifier	Listed below for each fix type. Airway format: • For entry to an airway, the display is <i>fix_name</i> > <i>airway_name</i> . For example: HAILE > V66 • For exit from an airway, the display is <i>airway_name</i> > <i>fix_name</i> . For exit and entry at the same fix, the display is <i>airway_name</i> > <i>fix_name</i> > <i>airway_name</i> > <i>fix_name</i> > <i>airway_name</i> . For example: V66 > CANNO > V460 • 3 or 4 alphanumeric Airport	Airway names appear only if the route is entering or exiting an airway at the fix.
Fix (NavAid)	NavAid identifier	<ul> <li>ID</li> <li>Iat/long in format degrees and minutes in tenths digit</li> <li>2 to 3 letter NavAid followed by hyphen and first 10 characters of NavAid short name ( when available )</li> <li>Iat/long in format degrees and minutes in tenths digit Morse code identifier</li> <li>Frequency included</li> </ul>	Appears under any of these conditions: • it is either the entry or exit from an airway • "Display All Airway Fixes" option was selected • user entered it into the Route field

	Navigation Log Resu	Its Page Description			
Field	Description	Format	Conditional		
			Appearance		
Fix (Waypoint)	Waypoint identifier	<ul> <li>The identifier of the fix from which the waypoint is referenced</li> <li>lat/long in format degrees and minutes in tenths digit</li> </ul>	<ul> <li>Appears under any of these conditions:</li> <li>it is either the entry or exit from an airway</li> <li>"Display All Airway Fixes" option was selected</li> <li>user entered it into the Route field</li> </ul>		
Fix (Top of Climb or Top of Descent)	Labels for Top of Climb or Top of Descent. They can be combined if they are the same.	"Top of Climb" or "Top of Descent" Or "Top of Climb/Top of Descent"	<ul> <li>Only appears under all three of these conditions:</li> <li>Top of Climb/Top of Descent Checkbox selected.</li> <li>Aircraft profile has performance data</li> <li>They exist</li> </ul>		
Lat/Long	Latitude followed by a slash and longitude	<ul> <li>lat/long in format degrees and minutes in tenths digit</li> </ul>	N/A		
Morse Code	Morse Code for Fix( if available)	20 characters	N/A		
Freq	Closest radio frequency(TACAN, VOR, VORTAC, DME, NDB)	Frequency in MHz	N/A		
Wind (Deg/kt )	The display for leg wind is compass degrees/speed.	<ul> <li>Degrees – NNN, values from 001-360</li> <li>Wind speed – NNN, values 000-999</li> </ul>	Zero when NavLog generated without wind data.		
Temp	Outside air temperature (OAT) for a particular leg at the corresponding Altitude	<ul> <li>NNN in degrees Celsius; below zero degrees C have a minus (-) sign</li> </ul>	Zero when NavLog generated without wind data.		
Magnetic Heading (MH) / Magnetic Course(MC)	These values are derived from the direction of the aircraft's route of flight, based on each leg. Magnetic course is the aircraft's true north course corrected for magnetic north variation (and provides the aircraft's ground track). Magnetic heading is the Magnetic Course corrected for wind (the direction the aircraft is pointed) (using current or actual winds aloft for the corresponding Altitude). If there is a direct headwind or tailwind, then these values are the same.	• NNN degrees, values from 001-360	N/A		
Leg	Leg distance in nautical miles. A Leg is the route an aircraft travels from one fix to another.	<ul> <li>NNNNN nm</li> <li>values from 1 to 99999</li> </ul>	N/A		
Rem (Remaining distance)	Total distance remaining in nautical miles.	<ul> <li>NNNNN nm</li> <li>values from 1 to 99999</li> </ul>	N/A		
Route	The Route consists of either a victor airway or jet airway as shown in the Navigation Log Request page Route field.	<ul> <li>Alphanumeric string.</li> <li>When no airway is shown in the route of flight field, then the word "Direct" is used instead of an airway</li> </ul>	N/A		
ETE	Estimated Time Enroute for the leg	HH:MM	N/A		
ATE Alt (m ft)	Actual Time Enroute for the leg An approximate altitude is calculated if passing a fix while climbing or descending.	(For Pilot's note) Alt (ft):	N/A Approximate altitude can only be calculated when aircraft		

	Navigation Log Resul	ts Page Description	
Field	Description	Format	Conditional Appearance
		<ul> <li>For altitudes up to 17,999 feet, in format NNNNN.</li> <li>Altitudes at and above 18,000 feet expressed as flight levels, in format FLNNN</li> <li>Alt (m):</li> <li>For altitudes up to 30,480 meters, in format NNNNN.</li> </ul>	performance information is provided.
GS	Estimated ground speed is the aircraft airspeed plus or minus the effects of wind (current or actual winds aloft for the corresponding Altitude). Groundspeed can change as leg direction and/or winds aloft direction/speed change.	Airspeed format is the same as that in the aircraft profile performance section.	N/A
Leg Fuel	Fuel consumption for the given leg.	<ul> <li>Up to six numeric characters with one decimal (NNNNNN.N)</li> <li>Append unit in column header from aircraft profile: <ul> <li>Gallons/hr → "(gal)"</li> <li>Liters/hr → "(L)"</li> <li>Pounds/hr → "(lb)"</li> <li>Kilograms/hr → "(kg)"</li> </ul> </li> <li>For the first leg the Startup/Taxi Fuel Burn from the Aircraft Profile Performance Characteristics will be included. It is displayed as <startup burn="" fuel="" taxi=""> "+" <first fuel="" leg="" used="">.</first></startup></li> </ul>	Displayed if aircraft profile has performance data
*First leg includes startup/taxi Fuel	Aircraft's performance data has startup and taxi fuel amount and Pilot has asked for fuel consumption calculation	Text comment	Displayed when startup and taxi fuel from aircraft profile is added to the first leg fuel consumption
Total	The total fuel consumed after the completion of the leg.	<ul> <li>Up to six numeric characters with one decimal (NNNNNN.N)</li> <li>Append unit in column header from aircraft profile:</li> </ul>	Displayed if aircraft profile has performance data
		<ul> <li>Gallons/hr → "(gal)"</li> <li>Liters/hr → "(L)"</li> <li>Pounds/hr → "(lb)"</li> <li>Kilograms/hr → "(kg)"</li> <li>For the first leg, the sum of fuel used and startup/Taxi fuel burn value from Aircraft Profile Performance Characteristics will be displayed.</li> </ul>	
Destination Inform and other destinati	ation – Contains a series of labels v on information.	which are used by the pilot to	write in frequencies
ATIS		For Pilot's note	

	Navigation Log Resul		
Field	Description	Format	Conditional
			Appearance
AWOS/ASOS	The closest automated weather obse	ervation station within 10 nautical	miles of the destination
	point w	vith associated frequencies.	
Approach		For Pilot's note	
UNICOM	List of any universal communication f	requencies associated with the de	estination landing facility.
CTAF	List of any common traffic advisory fr		stination landing facility.
Tower		For Pilot's note	
Ground FSS	The closest flight service station within	For Pilot's note	ing a sight with a second stard
	The closest hight service station within	frequencies.	ion point with associated
Dep		For Pilot's note	
Dest		For Pilot's note	4
	a for use by the pilot for writing any p		
Notes	Area provided for pilot to take notes	For Pilot's note	N/A
Departure Destin	L ation, and Flight Service Station Airp	ort Communications Informat	ion one nage each
for the departure,	destination, and fss airports' commu	inication information.	
Departure Airport Communication	Departure airport's communication information.	Similar in format to the	Only appears if
Information	information.	information presented in the <b>Airport</b>	departure airport has communication
momation		Communications section.	information, otherwise
		communications section.	"No communication
			information available"
			is displayed.
Flight Service	Flight Service Stations (FSS) within	A list of Sector Call Names	If no station is found
Station	25nm on either side of the route of	along the route (e.g. Radio	within 25nm of route
Communications	flight. Multiple stations are possible	Fort Dodge), and a list of	then 'No
Information	en route.	FSS Communications	communication
		associated with each	information available' is
		Sector Call Name. Each FSS Communication will	displayed. Departure and Destination FSS
		have a Station Name, a 3	entries will also be
		or 4 alphanumeric station	included in this list.
		ID (e.g. ABQ), a 3 to 10	
		character station type (e.g.	
		RCO, RCO1, NAVAID,	
		VOR VORTAC, VOR-	
		DME), and the frequency	
		with up to 3 decimal places	
		(e.g. 133.325), where the last place could contain a	
		letter (e.g. 122.05R)	
		Multiple stations are listed	
		on separate lines.	
Destination Airport	Departure airport's communication	Similar in format to the	Only appears if
Communication	information.	information presented in	destination airport has
Information		the Airport	communication
		Communications section.	information, otherwise
			"No communication
			information available" is displayed.

d. Navigation Log Restrictions The table below lists the conditions in which a Navigation Log cannot be generated.

	Navigation Log Restrictions
	Navigation Log cannot be generated for Domestic Altitudes of:
Domestic Altitude	• VFR
	• OTP
ICAO Cruising Level	Navigation Log cannot be generated if the Cruising Level is in:
	• VFR

# 9.5. Altitude Optimization

Altitude Optimization helps the pilot decide at which altitude to fly the route by estimating fuel usage and ETE for up to five different altitudes. It will estimate the ETE and fuel for 2,000 and 4,000 ft above a target altitude entered as well as 2,000 and 4,000 ft below it. It can check altitudes from 2,500 ft to 17,900 ft if flying VFR or MVFR and 2,000 ft up to 60,000 ft if flying IFR or MIFR.

The Optimize button is available on the Flight Plan form.

Draft						IC	CAO   Dome:	stic
Recent Flight Plan		CHS TO FLL	▼ Sa	ave as Favorite			Guidance, all civili ICAO flight plans.	an flight plans
Flight Rule	Aircraft ID TEST123	Aircraft Type B17	Aircraft Equipment	No. of Aircraft	Heavy	Airspeed 0200	Altitude (100s ft)	Optimize

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.

Fuel Gallons 240.3
240.3
240.1
239.9
239.6
239.5
e

Once the Altitude Optimization dialog is displayed the pilot may:

i. Double-click a row

If the user double-clicks on a row,

- The system closes the *Altitude Optimization* Dialog.
- The system populates the Altitude or Level field with the value selected by the user.
- ii. Use the "Select" button

If the user clicks on a row, then clicks the Select button,

- The system closes the *Altitude Optimization* Dialog.
- The system populates the Altitude or Level field with the value selected by the user.
- iii. Use the "Cancel" button

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

Aircraft performance characteristics are required in order to calculate fuel usage. The following message, "\* Results are not tailored to your aircraft's performance. Enter your aircraft's information at Account > Aircraft," will be displayed if performance characteristics for a given aircraft are not present.

Altitude	ЕТЕ	Fuel
140	0805	•
120	0814	•
100	0829	•
080	0824	•
060	0829	•

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

Altitude Optin	nization	
Click on a row t	to select your desired altitude	What's this?
Altitude 100s fi	ЕТЕ ннмм	Fuel Gallans
065	2245	239.6
045	2244	239.4
025	2243	239.1
		Select Cancel

Altitude Optin	nization	
Click on a row t	to select your desired altitude	What's this?
Altitude 100s fi	ETE нним	Fuel <sub>Gallans</sub>
600	2313	244.3
580	2312	244.1
560	2312	244.0
		Select Cancel

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

lick on a row t	o select your desired altitud	e. What's thi
• Induction of a		
Altitude	ЕТЕ	Fuel
140	Results could not be c	alculated for this altitude. rcraft performance data.
120		alculated for this altitude. rcraft performance data.
100		alculated for this altitude. rcraft performance data.
080		alculated for this altitude. rcraft performance data.
060		alculated for this altitude. rcraft performance data.

This generally happens when the climb or descent rates were entered incorrectly, which can be verified on the Account Profile page in the Aircraft section. The user may still select any of the altitudes as they wish.

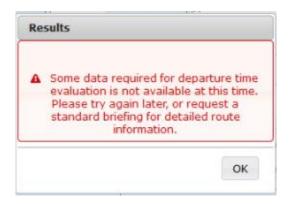
# 9.6. Departure Time Evaluation

Evaluate Departure Time helps the pilot decide the best time to depart by presenting a summarization of TAF and adverse conditions along the planned route of flight over a range of departure times. The system divides the route of flight into 20 segments and presents a summary of the TAF conditions for each segment based on the proposed departure time. The system will also present TAF and adverse condition summaries for the previous six hours and the following six hours.

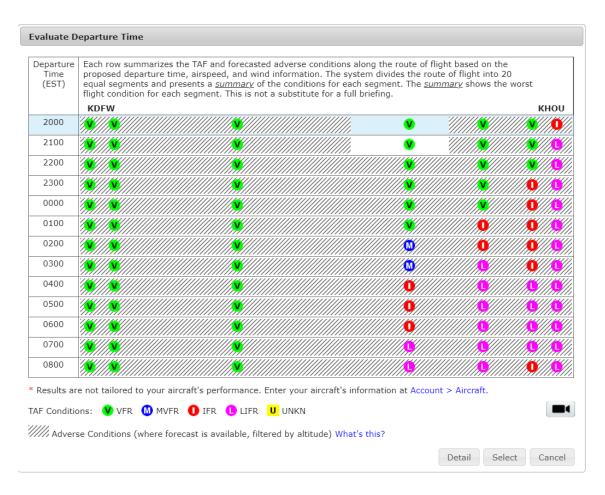
The Evaluate button is ava	ailable on the l	Flight Plan form.
Departure Date & Time	Evaluate	

When the Evaluate button is clicked, the Evaluate Departure Time dialog is displayed showing the forecasted TAF and adverse conditions along the route of flight for 13 different departure times. Each column presents the worst case TAF condition in that time segment. The ordering of the TAF conditions from best to worst is: VFR, MVFR, IFR, LIFR, UNKN.

When any adverse condition data (note: missing TAF data is not included in this evaluation) is known to be missing, the Evaluate button on the FP&B will not open the Evaluate Departure Time Tool. Instead a pop-up will open with the following error statement:



The image below shows the TAF summaries for a route of flight from KDFW to KHOU with a proposed departure time of 2300. Summaries are provided for the six previous hours and the following six hours. Each row is divided into 20 segments and if there are TAF reports in the appropriate segment, the summarized condition is indicated with an icon. If there are no TAF reports for the segment, a blank image is displayed to indicate no TAF reports. When an adverse condition exists for the segment, the background of the segment is shaded.



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 "Detail" button

If the user clicks on a row, then clicks the Detail button,

- The system closes the Evaluate Departure Time Dialog.
- The system opens the <u>Evaluate Departure Time Details Dialog</u>.
- iii. 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.
- iv. 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.

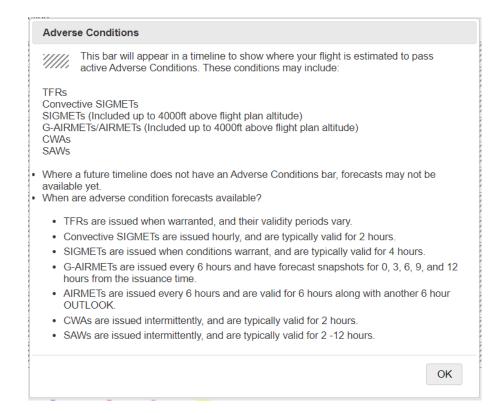
0000	0			<u>// • •</u>		0 0	0	0
0100	0	*********	/ <b>N//N</b> //N			00	0	0
0200	0		/ <b>N//N//N</b>	///		0	0	U
0300	0		<b>v</b> //v//v	V/. 🔹 🔹	(	D U	U	U

///// 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		♥ /////////W//W//W// ♥ ♥	0	0	0	0
2200		9 ////// <b>///////////</b> // 9	0	0	0	Q
2300		0 //////X/X/ 0 V	0	0	0	0
0000	0	0 //////X/X/ 0 U	0	0	0	0
0100	0	0 //////X//X// 0 U	0	0	0	0
0200	6	9 /////// <b>X</b> //X// 9 V	0	0	0	l
0300	0	v ////////////////////////////////////	0	U	U	l

Clicking on the Video icon will open a help video on Departure Planning Tool. For more information on adverse conditions, click on the "What's this?" link.



# a. Evaluate Departure Time Details

This dialog displays rows for each adverse weather condition product. If a condition is not found along the route of the flight, then it will display "(None along the route of flight)". If there is any Adverse Condition data known to be missing, it will display "(Adverse Condition data unavailable)".

PRODUCTS	Each row sum airspeed, and conditions for briefing. What	wind informatio each segment.	n. The syste	em divides	the route	of flight in	to 20 eq	ual seg	ments a	and pre	sents a	a <u>summa</u>	<u>ry</u> of the	
TAFs	0 0	V 🕚	•	V V	V	V	V	V	0	0	0	<b>v</b> (	D 🕚	V
TFRs														
Closed/Unsafe Airport/Runway														
CONV. SIGMET Including Outlook)														
SIGMETs	(None along the	e route of flight	)											
G-AIRMET/AIRMET SIERRA			MTN O	BSC					IFR					
G-AIRMET/AIRMET ZULU							CING							
G-AIRMET/AIRMET FANGO		IIGH OW						LLWS	}		LO	W		
CENTER Wx ADV	(None along the	e route of flight	)											
EVERE Wx	WARN WATCH													
AF Conditions: 🕚	VFR 🚺 MVFR	IFR 🚺	LIFR <mark>U</mark>	UNKN										
dverse Conditions:	ACTIVE DURING	G INTERSECTI	ON A	ACTIVE WI	THIN 60 M	INUTES	L.	ACTIVE	OUTSI	DE 60 I	MINUT	ES		
Results are not tailo	ed to your aircraft	's performance	. Enter your	aircraft's i	nformation	at Accou	nt > Airc	raft.						
	posed Departure			40.40	EDT							Select	Cance	

Once the Evaluate Departure Time Details Dialog is displayed the pilot may:

- i. Use the What's this? text button If the user clicks on What's this?,
  - The system displays the Evaluate Departure Time Details What's this? popup, from which the pilot can exit through the OK button.

The <b>E</b>	valuate Departure Time Details provides an overview of adverse conditions along the route of flight and passing times
based	on the ETD, airspeed and calculated winds. It is not a substitute for a full briefing but does provide an adverse condition ew of the flight. The details of each condition will be available in the briefing output. The following color legend indicates er the phenomenon will be active during, within 60 minutes or outside 60 minutes of your crossing.
AC	CONTINUE DURING INTERSECTION         ACTIVE WITHIN 60 MINUTES         ACTIVE OUTSIDE 60 MINUTES
	valuate Departure Time Details will locate and display the following conditions for your flight when available: • TFRs
	Closed/Unsafe Airport/Runway NOTAMs     Convective SIGMETs
	<ul> <li>SIGMETs (Included up to 4000ft above flight plan altitude)</li> </ul>
	G-AIRMETs/AIRMETs (Included up to 4000ft above flight plan altitude)
	• CWAs
	• SAWs
Nhen	ast times vary for each product and may not be available for longer flights. are adverse condition forecasts available?
	<ul> <li>TFRs are issued when warranted, and their validity periods vary.</li> </ul>
	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.
	• G-AIRMETs are issued every 6 hours and have forecast snapshots for 0, 3, 6, 9, and 12 hours from the issuance time.
	AIRMETs are issued every 6 hours and are valid for 6 hours along with another 6 hour OUTLOOK.     CNMa are issued intermittently and are trainely valid for 2 hours
	CWAs are issued intermittently, and are typically valid for 2 hours.     SAWe are issued intermittently, and are typically valid for 2 12 hours.
	<ul> <li>SAWs are issued intermittently, and are typically valid for 2 -12 hours.</li> </ul>
	ОК

ii. Use the Proposed Departure Time arrows

If the user clicks on the Proposed Departure Time arrows,

- The proposed departure time will go forwards or backwards an hour through the times displayed in the Evaluate Departure Time dialog. If the pilot reaches the first of the thirteen hour slots the left arrow will disappear, and vice versa.
- The displayed products will update based on the new proposed departure time.

CENTER WX ADV	(None along the route of flig	jht)				
SEVERE Wx	(None along the route of flig	ght)				
TAF Conditions:	😢 VFR 🚺 MVFR 🕕 IFF	t 🕕 LIFR	U UNKN			
Adverse Conditio	ns: ACTIVE DURING INTER	SECTION	ACTIVE WITHIN 60 M	INUTES	ACTIVE OUTSIDE 60 MINUTES	
* Results are not	tailored to your aircraft's pe	erformance.	Enter your aircraft's in	formation at	Account > Aircraft.	
Prop	oosed Departure Time:	◀	2100 EDT		Select	Cancel

- iii. Use the "Select" button
  - If the user clicks on the Select button,
    - The system closes the Evaluate Departure Time Details Dialog.
    - The system populates the Departure Date and Time field with the proposed departure time selected by the user.

iv. Use the "Cancel" button

If the user clicks on the Cancel button,

- The system closes the Evaluate Departure Time Details Dialog
- The system displays the Evalute Departure Time Dialog with the row corresponding to the proposed departure time selected.

Note that when there are AIRMETs assigned to the "Other" category, an extra row is added to the Evaluate Departure Time Details pop up (This should be located after the rows for the Sierra, Tango and Zulu GAIRMETs/AIRMETs). The row should not be displayed when there are no "Other" category AIRMETs relevant to the route of flight.

# 9.7. Estimated Elapsed Time Calculation

For calculating the estimated elaps	sed time, Calculate	button is available on the ICAO
Flight Plan form.		

Est Elapsed Time HHMM	
Calculate	

Calculating estimated elapsed time requires the following fields to be filled out: Aircraft ID, Aircraft Type, Departure, Departure Date & Time, Cruising Speed, Level, and Destination. The Route of Flight field is not required but it is included in the calculation. If the aircraft has a profile with performance characteristics, they are used in the calculation. Otherwise, the default characteristics for the Aircraft Type are used. When the Calculate button is pressed, the Calculate Estimated Elapsed Time dialog is presented to the user containing the estimated time.

Calculate Estimated Elapsed Time						
	What's this?					
Calculated Estimated Elapsed Time (HHMM): 0043						
Note: Changing the Aircraft ID, Aircraft Type, Departure, Departure Date & Time, Cruising Speed, Level, Route, or Destination will require a new Estimated Elapsed Time calculation.						
	Accept Cancel					

Note: the Calculated Estimated Elapsed Time dialog may have information or warning messages on it related to system weather availability and aircraft performance characteristics.

If the user accepts the estimate, then it is placed into the Est Elapsed Time field. If the user cancels from that dialog, the Est Elapsed Time field is unchanged.

Once an estimated elapsed time has been calculated, if the user changes any fields related to its calculation and then attempts to File, Amend, or Activate the flight plan, the user will be presented with the following warning dialog and offered the option of recalculating the estimated elapsed time.

Recalculate Estimated Elapsed Time?					
0	The previously calculated estimated elapsed time value may have been invalidated by subsequent flight plan data changes. Would you like to recalculate?				
	Yes No				

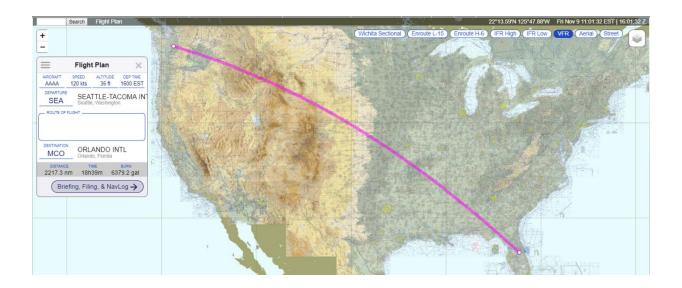
The warning dialog will not appear if there was manual change to the Est Elapsed Time field.

# 9.8. Route Mapping

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

Route of Flight (Blank for direct)	Мар	Plan

No fields are required for interactive map. When the Map button is clicked, the interactive map is opened. The dialog also features pan/zoom capability. The interactive map also has an interactive map form capability which is the condensed version of the Briefing, Filing, and NavLog page.



Interactive Flight Plan Form Description			
Field	Descriptio n	Format	Conditio nal Appeara nce
Aircraft ID	Contains the name of the aircraft	2-7 alphanumeric characters	N/A
Speed	Contains the speed of the plane	Zero value for Airspeed in invalid Knots: N followed by 4 digits, max of 3700 Mach: M followed by 3 digits, max of 500, with an implicit decimal point after the first digit (M084 =0.84 Mach, M100 = 1.00 Mach, M215=2.15 Mach)	N/A

Altitude	Contains the	Format:	N/A
	altitude of	Route Brief, File,	
	the plane	Amend and Activate	
		<ul> <li>Flight Level: 2-3 digits</li> </ul>	
		<ul> <li>ABV/<flight Level&gt;</flight </li> </ul>	
		• OTP	
		<ul> <li>OTP/<flight Level&gt;</flight </li> </ul>	
		<ul><li>VFR</li><li>VFR/<flight< li=""></flight<></li></ul>	
		Level>	
		<ul> <li>Block Altitude: <flight< li=""> </flight<></li></ul>	
		Level>B <flig ht Level&gt;</flig 	
		NavLog, Optimize Altitude, Evaluate	
		<ul><li>Departure Time</li><li>Flight Level:</li></ul>	
		<ul><li>2-3 digits</li><li>ABV/<flight< li=""></flight<></li></ul>	
		<ul> <li>OTP/<flight< li=""> </flight<></li></ul>	
		<ul> <li>Level&gt;</li> <li>VFR/<flight< li=""> </flight<></li></ul>	
		Level>     Block	
		Altitude: <flight< td=""><td></td></flight<>	
		Level>B <flig ht Level&gt;</flig 	
		Valid range for Optimize Altitude:	
		IFR, MIFR flights: • 20-600	
		<ul> <li>ABV/20- ABV/600</li> </ul>	
		<ul> <li>OTP/20- OTP/600</li> </ul>	
		• VFR/25-	
		VFR/179 VFR, MVFR	
		flights: • 25-179	
		<ul> <li>25-179</li> <li>ABV/25-</li> </ul>	
		ABV/179	
		OTP/179	
		<ul> <li>VFR/25- VFR/179</li> </ul>	
		Valid range for Evaluate	
		Departure Time:	
		IFR, MIFR, VFR, MVFR flights:	

• 00-999
• ABV/00-
ABV/999
• OTP/00-
OTP/999
<ul> <li>VFR/01-</li> <li>VFD/470</li> </ul>
VFR/179 ● 00B01-
998B999
0002000

Dep Time	Contains the departure time	<ul> <li>MM/DD/YY YY; based on the selected time zone value</li> <li>HHMM; where HHMM are 4 digits, based on the selected time zone value</li> </ul>	N/A
Departure	Contains the location of where the plane takes off	4 letter ICAO airport/heliport or ZZZZ for non-standard ICAO airport location. If AFIL or ZZZZ is entered, then a location must be provided in DEP/ in the Other Information field	N/A
Route of Flight	Contains the route the plane will take for the duration of the flight	2-558 characters; 3-5 alphanumeric airport/heliport /NAVAID/wayp oint identifier	N/A
Destination	Contains the location of where the flight will land at the end of its route.	3-5 alphanumeric airport/heliport /NAVAID(exclu ding NDB)/waypoint identifier	N/A
Distance	The number of miles that the route of the flight will take up	Generated automatically	N/A
Time	The amount of time that the route will take	Generated automatically	N/A

Burn	Contains the	Filled in by the	N/A
	amount of	pilot through	
	fuel that will	AC	
	be burned	performance	
	for during	and will be	
	flight	generated	
		automatically.	

# 9.9. Route Planning

For Route Planning, the Plan button is available on the Flight Plan form. Plan a Route helps the pilot decide a route of flight using the departure and destination of the flight plan. The system will generate various types of routes based on the route types listed below. Once a route type is selected the system will generate the appropriate route of flight.

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

Route types:

- I. IFR Recent ATC Assigned
- II. GPS Direct
- III. Low Altitude V Airways
- IV. VOR Direct
- V. FAA Preferred
- VI. Coded Departure (See FAA overview)

Route of Flight (Blank for direct)	Мар	Plan

When the Plan button is clicked, the Plan a Route dialog page is displayed. The pilot is presented with a set of radio buttons to select a route type.

Plan a Route	
Departure: Destination:	Overview of Routing Options
○ IFR - Recent ATC Assigned	
○ GPS Direct	
O Low Altitude V Airways	
O VOR Direct	
○ FAA Preferred	
O Coded Departure (See FAA overview)	
	Find Routes Cancel

When a route type is selected and the Find Routes button is clicked, the Plan a Route results dialog is displayed. For a GPS Direct route, the dialog will contain a route consisting of zero to 46 Lat/Long fixes, dependant upon route length. For a Low Altitude V Airways or VOR Direct route, the dialog will contain the shortest route if found. For other types of routes, the dialog will show an airway or multiple airways in a

tabular form. If the <sup>Cancel</sup> button is clicked, the dialog closes and returns to Plan & Brief page.

Plan a Route	
Results: Low Altitude V Airways	
Departure: BOS Destination: JFK	
Route: MILIS V16 ORW V475 WRENN	
<< Back to Find Routes	Map Select Cancel

Once the Plan a Route results dialog is displayed the pilot may:

I. Double-click a row

If the user double-clicks on a row, the system closes the Plan a Route dialog. The system populates the Route of Flight field with the value selected by the user.

- II. Use the select button button If the user clicks the Select button, the system closes the Plan a Route dialog. The system populates the Route of Flight field with the value selected by the user.
- III. Use the Map button

If the user clicks the Map button, the system will open a Map Route dialog

displaying the route value selected by the user. Using the button will return to the previous Plan a Route dialog.

<< Back to Find Routes

IV. Use the Cancel button

If the user clicks the Cancel button, the system closes the Plan a Route dialog and the original route entered by the user remains populated in the Route of Flight field.

Error messages will be displayed following the **Results:** preceeded with <sup>(A)</sup> icon.

Plan a Route	
Results: 🛆 Depa	rture and destination must differ to calculate Low Altitude V Airways route
Departure: BOS	Destination: BOS

### a. IFR – Recent ATC Assigned

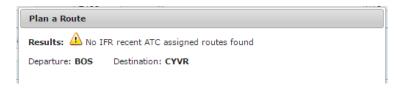
This option will return a list of up to fifteen recently assigned routes between departure and destination of a Flight Plan, in the following tabular structure:

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

Columns Last Dept. Time +, Route +, Flights +, Altitude

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:



are

# 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.

	Plan a Route	
Departure: KDFW Destination: KPSX	esults: GPS Direct	
Route: 3012N09740W	eparture: KDFW	Destination: KPSX
Pourter 2012N00740W		
	2012N007/	QW

# c. Low Altitude V Airways

The Low Altitude V Airways radio button selection will return the system recommended low altitude airways between the flight plan departure and destination of the Flight Plan. Departure and destination points can be Airports, FRDs, VORs, VORTACs. Optionally, a SID and/or STAR can be selected. If a SID is selected, the system recommended path will start from the associated departure fix. If a STAR is selected, the system recommended path will end at the associated destination transition fix. Victor airways cannot be calculated for round robin flights.

Plan a Route			
Departure: MSP	Destination: LAX	Overview of Routing Options	^
O IFR - Recent ATC	Assigned		
O GPS Direct			
Low Altitude V A	irways		
SID (optional) STAR (optional)	COULT7.DLL V HEC.BASET5 V		
○ VOR Direct			
○ FAA Preferred			
O Coded Departur	e (See FAA overview)		¥
		Find Routes Cancel	

Plan a R	toute	
Results: Low Altitude V Airways		
Departu	re: MSP Destination: LAX	
Route:	COULT7 DLL V170 RST V161 MCW V505 FOD V100 SUX V219 OBH V172 LBF V80 AKO V8 DVV V356 DBL V134 JNC V8 MMM V21 HEC BASET5	

# d. VOR Direct

The VOR Direct radio button selection will return the shortest route flying direct between VORs, VORTACs, VOR-DMEs, and TACANs from the flight plan departure to the flight

plan destination. Departure and destination points can be Airports, FRDs, NAVAIDs, or Lat/Longs.

If a VOR Direct route is found it is displayed.

Plan a Route	
Results: VOR Direct	
Departure: MSP Destination: LAX	
Route: MKT OTG YKN ONL TDD SAE SNY GLL RLG RIL JN	C HVE BCE UTI LAS DAG POM

If no VOR Direct route is found, a warning is displayed.

Plan a Route	
Results: 🛆 VOR	Direct routing solution not found
Departure: HNL	Destination: ANC

If the flight plan departure and destination too close for routing, a direct route is recommended.

Plan a Route		
Results:	Direct	route recommended; Departure and Destination are too close for routing
Departure:	FDK	Destination: HGR
Route: D	ост	

If a VOR Direct route is found, but too long to be efficiently flown, a warning is displayed.



VOR Direct routes cannot be calculated for round robin flights.

Plan a Route	
Results: 🛆 Depa	rture and destination must differ to calculate VOR Direct route
Departure: MSP	Destination: MSP

### e. FAA Preferred

The FAA Preferred routes radio button selection will return a list of FAA Preferred airways between the flight plan departure and destination in a tabular structure.

Route +	Altitude	\$ Effective \$		Aircraft	Direction	<b>+</b>
SSOXS (RNAV) SSOXS BUZRD SEY PARCH (RNAV)		1100- 0300	н	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			-

sortable in both ascending and descending manner.

# f. Coded Departure (See FAA overview)

This option will return a list of coded departure routes for the departure and destination specified in the Flight Plan in the following tabular structure:

with a contract Descent and			Carling of Calls Definitions
sults: Coded Departure			Equipment Code Definitions
parture: BOS Destinat	ion: JFK	Click a	a row to select desired route.
Name 🗢	Equip Code 🗧	Route	\$
DSJFKEX 1	1	BURDY V268 SEY SEY235 V46 HTO V46 D	)PK
DSJFKGN 1	1	HYLND3 HYLND CAM ALB IGN IGN1	
DSJFKPJ 1	1	SSOXS3 SSOXS BUZRD SEY PARCH1	
< Back to Find Routes		м	lap Select Cancel

ascending and descending manners.

Clicking on the Equipment Code Definitions link brings up a dialog defining the 3 equipment codes.

If no coded departure routes exist for the specified departure and destination, the following will be displayed:

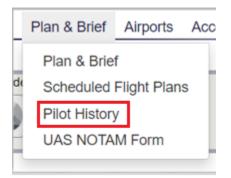
Plan a Route	
Results: 🛆 No C	Coded Departure routes found
Departure: BOS	Destination: CYVR

Columns

are sortable in both

# 9.10. Pilot History Page

The Pilot History page may be selected by navigating to the Plan & Brief menu item and selecting Pilot History. The Pilot History Page displays up to forty-five (45) days of pilot history events. Each event displayed contains the Event Date and Time, Event Type, Aircraft ID, Source (Web or Provider or Scheduled Flight Plan), Departure and Destination. Details of certain events may be further examined by selecting the View button located next to the event.



	1 to 15 of 40					
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	КОАК	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	КОАК	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	КОАК	ZZZZ
View	Jul 2, 1403Z	File Flight Plan	MI8N7	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

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

- c. NavLog Events
  - i. NavLog
  - ii. NavLog Email

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

- d. UOA Manipulation Events
  - i. File
  - ii. Amend
  - iii. Cancel

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

- e. ATC Route Notice Transmission Events
  - i. ATC Route Notice Transmission Email

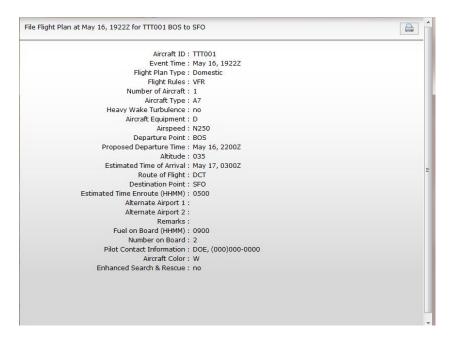
Additional details are available for ATC Route Notice Transmission events, by pressing the View button.

- f. Graphical Checklist Logged Events
  - i. Graphical Checklist Logged Events saved by the user.

Additional details are available for Graphical Checklist Logged events, by pressing the View button.

# a. View Flight Plan Event Details Page

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

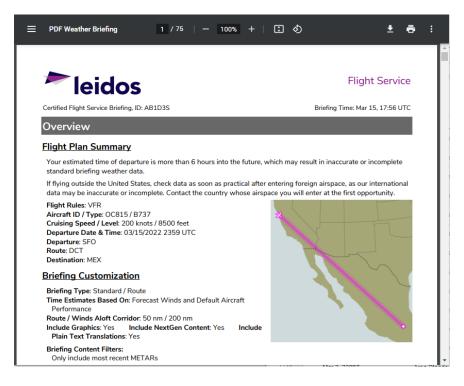


The View Flight Plan Event Details field items are described in the DOMESTIC FLIGHT PLAN table which is located in the 8.1. Flight Planning part a. Domestic Flight Plan Form Validation in this document.

The View Flight Planning Event Details page can be printed by selecting the print icon located on the top right side of the page.

### b. View Flight Plan Briefing Event Page

The View Flight Briefing Event page may be selected by navigating to the Plan & Brief menu item and selecting Pilot History and then selecting the View button located next to one of the briefing event items displayed in the list of history event items. The different types of briefing events that can be viewed and printed are listed in the beginning of this chapter. The image below is an example of a past standard briefing.



The View Flight Briefing Event display contains the briefing material that was present at the time of the request.

The View Flight Briefing Event page can be printed by selecting the print icon located on the top right side of the page.

### c. View Navigation Log Event Page

The View Navigation Log Event page may be selected by navigating selecting the View button located next to one of the NavLog event items displayed in the list of history event items. The image below is an example of a past Navigation Log.

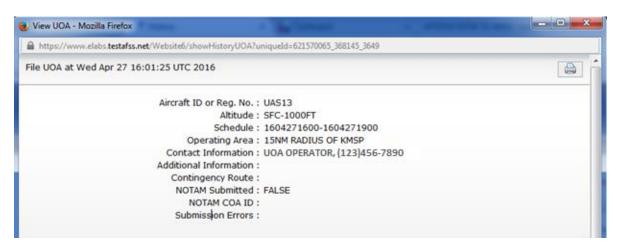
ATIS:			Clea	ared to	):			
AWOS/ASOS	6: KCPM 127.	150	Dep	oart:				
UNICOM:								
Clearance D	el:							
Ground:								
Tower:				tude:				
Departure:			Dep	Frq/S	quawk	:	1	
FSS: RAL 122	2.2 255.4							
En Route FS	5: None with	in 50nm						
KLAX HAILE	KLAX HAILE V66 CANNO V460 JLI KRNM							
ATD	ETE	ETA	Total Dist	ance	Fuel	Required	Fuel	Available
	01:17		159 n	m				
Fix		Morse Code			Leg			Leg Fuel
		Freq	· ·	MC	Rem (nm)	ATE	GS (kt)	Total
KLAX			300/012					
33"56.6' / -1			013	123	99	00:48	10000	
HAILE > V66			281/023		60		123	
32*46.8' / -1			005	076	20 40	00:08	10000 142	
V66 > CANN 32°46.4' / -1			279/021 005			00.17		
32 40.4 / -1	10 57.4			344 354	22 18	00:11	10000 117	
1460 - 111	10100-01	114.0			18	00:10	10000	
V460 > JLI 33°08 4' / -1	/460 > JLI 300/016 354 33°08.4' / -116°35.2' 114.0 011 246		318/009		18	00:10	10000	
33°08.4' / -1	10 35.2				-			
33°08.4' / -1 KRNM								
33°08.4' / -1			012	Dep				
33°08.4' / -1 KRNM 33°02.4' / -1	16°54.9'	n 10nm						
33°08.4' / -1 KRNM 33°02.4' / -1 ATIS:	16°54.9'	n 10nm						
33°08.4' / -1 KRNM 33°02.4' / -1 ATIS: AWOS/ASOS	16°54.9'	n 10nm						
33°08.4' / -1 KRNM 33°02.4' / -1 ATIS: AWOS/ASOS Approach:	16°54.9'	n 10nm		Dep				
33°08.4' / -1 KRNM 33°02.4' / -1 ATIS: AWOS/ASOS Approach: UNICOM:	16°54.9'	n 10nm		Dep				
33°08.4' / -1 KRNM 33°02.4' / -1 ATIS: AWOS/ASOS Approach: UNICOM: Tower:	16"54.9'	n 10nm		Dep				

The Navigation Log Event display contains the Navigation Log material that was present at the time of the request.

The View Navigation Log Event page can be printed by selecting the print icon located on the top right side of the page.

#### d. View UOA Manipulation Event Page

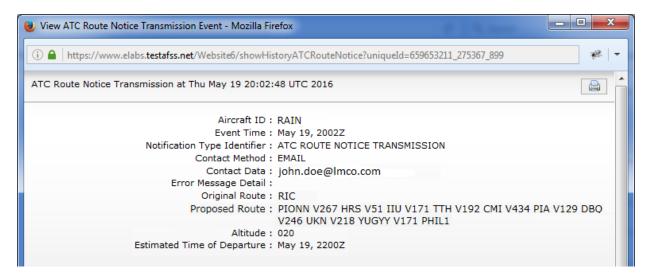
The View UOA Manipulation Event page may be selected by selecting the View button located next to one of the UOA manipulation event items displayed in the list of history event items. The image below is an example of a past File UOA Event.



The View UOA Manipulation Event page can be printed by selecting the print icon located on the top right side of the page.

# e. View ATC Route Notice Transmission Event Page

The View ATC Route Notice Transmission Event page may be displayed by selecting the View button located next to an ATC Route Notice Transmission event item displayed in the Pilot History. The image below is an example of an ATC Route Notice Transmission Event.



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

The View ATC Route Notice Transmission Event page can be printed by selecting the print icon located on the top right side of the page.

### f. View Graphical Checklist Logged Event Page

The View Graphical Checklist Logged Event page may be displayed by selecting the View button located next to a Graphical Checklist Logged event item displayed in the Pilot History. The image below is an example of a Graphical Checklist Logged Event.

hical Checklist Logged at Tue Jun 11 15:58:41 U	TC 2019
Aircraft ID :	: AD34
Event Time :	: Jun 11, 1558Z
Flight Plan Type :	
Flight Rules :	
Number of Aircraft :	: 1
Aircraft Type :	
Heavy Wake Turbulence :	: no
Aircraft Equipment	:
Airspeed	:
Departure Point :	: KSEA
Proposed Departure Time :	
Altitude	
Estimated Time of Arrival	
Destination Point :	
Estimated Time Enroute (HHMM) :	
Alternate Airport 1 :	
Alternate Airport 2 :	
Remarks :	:
Fuel on Board (HHMM) :	:
Number on Board :	:
	: dedeepya.mulpuru@leidos.com
Aircraft Color :	
Enhanced Search & Rescue :	
Adiz Entry Beacon Code :	
Adiz Exit Beacon Code	
	: Graphical Checklist Logged
Flight Plan Id	
	: dedeepya.mulpuru@leidos.com
Web Service Name :	
Checklist Name :	
	: Jun 11, 1558Z
Innvocation Time :	
Weather Products :	: dedeepya.mulpuru@leidos.com
· · · · · · · · · · · · · · · · · · ·	: Viewed Time: Tue Jun 11 15:57:49 UTC 2019 : Viewed Time: Tue Jun 11 15:58:16 UTC 2019
5	: Viewed Time: Tue Jun 11 15:57:52 UTC 2019
	: Viewed Time: Tue Jun 11 15:57:59 UTC 2019
Websites :	
	: URL: https://avcams.faa.gov/ Viewed Time: Tue Jun 11 15:58:03
Aldoka Awadon Gameras.	UTC 2019

The Graphical Checklist Logged Event display contains the Graphical Checklist Logged material that was present at the time of the request

The View Graphical Checklist Logged Event page can be printed by selecting the print icon located on the top right side of the page.

# 10. Airports Page

Clicking on the Airports menu bar item will open the airports/heliports search dialog over the currently viewed page. It contains a form to lookup airport or heliport information pages.

# Airport Lookup



			Mon Jul 18 09:04:35 EDT   13	:04:35 Z
atured Capab	pilities	News & Announcements	Login	
NextGen		July 12, 2022		
Briefing	Airports/Heliports			Create Account
Interactive Map	D, NAME, OR CITY	STATE  STATE  Starch		Reset Password
Automated Voice Service				

Retrieving information on specific airports can be accessed via the airports/heliports search dialog. Reference Departure/Destination/Alternates in Flight Plan Helper Menu and Dialogs for more information on this search function. Note that the Airports/Heliports search dialog displays results for just airports and heliports.

IAD		STATE 🗸 🗆 Exact Match	Search			
JD 🔺	TYPE \$		LAT/LONG \$	CITY, STATE	ARTCC	♦ FSS ♦
EPGI	AIRPORT	GRUDZIADZ/LISIE KATY	5331N01851E		257	7.110
GSO	AIRPORT	PIEDMONT TRIAD INTL	3606N07956W	GREENSBORO, NC	ZTL	RDU
IAD	AIRPORT	WASHINGTON DULLES INTL	3857N07728W	WASHINGTON, DC	ZDC	DCA
KGSO	AIRPORT	PIEDMONT TRIAD INTL	3606N07956W	GREENSBORO, NC	ZTL	RDU
KIAD	AIRPORT	WASHINGTON DULLES INTL	3857N07728W	WASHINGTON, DC	ZDC	DCA
KNGT	AIRPORT	GOLIAD NOLF	2837N09737W	BERCLAIR, TX	ZHU	SJT
NGT	AIRPORT	GOLIAD NOLF	2837N09737W	BERCLAIR, TX	ZHU	SJT
OIAD	AIRPORT	DEZFUL	3226N04823E			

The information page for the desired airport or heliport can be viewed by either clicking the Select button or double-clicking the row for the desired location.

Several aspects of the airport or heliport will be displayed within different sections of the information page.

cated 20 miles W of mark: LOCATED IN BO	N / 077°27.60'W <u>View On Ma</u> Washington, Dist. Of Columb		
nark: LOCATED IN BO		ia on 13000 acres of land.	
eved Elevation is 3		) LOUDOUN COUNTY VA.	
	n 2000 is 10° West		
perations Data —			
	Open to the Public		WASHINGTON
	N 1 1000	ECC	LEESBURG
Activation Date	November 1962	F.0.0.	LECODORG
	Operational		IAD (NOTAM-D available)
	Operational	NOTAM Facility	
Status	Operational Yes	NOTAM Facility	IAD (NOTAM-D available) WASHINGTON
Status Control Tower Seg-Circle	Operational Yes No	NOTAM Facility Sectional Chart Landing Fee	IAD (NOTAM-D available) WASHINGTON Yes
Status Control Tower Seg-Circle Beacon	Operational Yes No Clear-Green	NOTAM Facility Sectional Chart Landing Fee ARFF Certification	IAD (NOTAM-D available) WASHINGTON Yes I E S 05/1973
Status Control Tower Seg-Circle	Operational Yes No Clear-Green	NOTAM Facility Sectional Chart Landing Fee ARFF Certification	IAD (NOTAM-D available) WASHINGTON Yes I E S 05/1973 Customs Landing Rights

# a. Location Information

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

Coordinates: 38°56.85'N / 077°27.60'W <u>View on Map</u> Located 20 miles W of Washington, Dist. Of Columbia on 13000 acres of land. Remark: LOCATED IN BOTH FAIRFAX COUNTY VA AND LOUDOUN COUNTY VA. Surveyed Elevation is 313.0 feet MSL. Magnetic Variation from 2000 is 10° West

The **View on Map** link takes the user to the Interactive Map page and displays the airport in Aerial View. The airport location is centered and indicated by a location icon.



### b. Operations Data

This Topic shows the Airport Use indicating availability to the public, as well as whether there is a control tower available, and the NOTAMS facility associated with the airport.

Operations Data ———				
Airport Use	Open to the Public	A.R.T.C.C.	WASHINGTON	
Activation Date	November 1962	F.S.S.	LEESBURG	
Status	Operational	NOTAM Facility	IAD (NOTAM-D available)	
Control Tower	Yes	Sectional Chart	WASHINGTON	
Seg-Circle	No	Landing Fee	Yes	
Beacon	Clear-Green	ARFF Certification	I E S 05/1973	
Wind Indicator	Yes, Lighted	Customs	Customs Landing Rights	
		Airspace Analysis	NO OBJECTION	
		Attendance	ALL/ALL/ALL	

# c. Airport Communications

This Topic displays all the frequencies associated with this airport.

— Airport Communications	
D-ATIS	
	120.1 BY 01R/19L
	120.25 RY 01C/19C
	134.425 RY 01L/19R & RY
	12/30
	317.8 RY 01R/19L
	348.6 RY 01C/19C
	348.6 RY 01L/19R & RY 12/30
DULLES GROUND	121.625 WEST
	121.9 EAST
	317.8 EAST
	348.6 WEST
CLEARANCE DELIVERY	
	317.8
AS ASSIGNED	125.8
	128.425
	132.45
APCH/P CLASS B MIDFLD RAMP CTL	
EMERG	
LIVIERG	243.0
ASR RADAR UNAVBL ABV 1500	
	-15.8625N 77-27-39.3822W CPME#2
38-56-01.0536N 77-25-54.0575W MTI#2 38-55-02 7688N 77-26-11	/ MTI#1 38-55-58.9323N 77-27-14.2280W 5540M/MT#2 38 59 22 0722N
77-27-33 3491W FFFD HORN FI	
ARRIVALS MAY BE EXTENDED	

# d. Runways

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

Surface	11500 x 150 feet CONC-G GRVD 81 /R/C/W/T S-200 D-250		
R	ST-450 DT-875 Jnway 01R	R	unway 19L
	38°55.43?N / 077°26.19?W		38°57.32?N / 077°26.16?W
Elevation	311.7	Elevation	293.2
Traffic Pattern	Left	Traffic Pattern	Left
Runway Heading	011° Magnetic, 001° True	Runway Heading	191° Magnetic, 181° True

# e. Ownership Information

This Topic provides the airport ownership information including the airport manager.

— Ownership Information ——	
Owner MET	TRO WASH ARPT
AUT	THORITY
1 AV	VIATION CIRCLE
WAS	SHINGTON, DC
2000	01-6000
703-	-417-8600
Manager MIKE	Æ STEWART
1 SA	AARINEN CIRCLE,
SAA	ARINEN CENTER MA-210
DUL	LLES, VA 20166
703-	-661-6346

# f. Remarks

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

Remarks
 RY 30 DEPARTURES USE UPPER ANTENNA FOR ATC COMMUNICATIONS.

- ASDE-X IN USE, OPERATE TRANSPONDERS WITH ALTITUDE REPORTING MODE AND ADS-B (IF EQUIPPED) ENABLED ON ALL AIRPORT SURFACES.
- LDG FEE. FLIGHT NOTIFICATION SERVICE (ADCUS) AVBL. NOTE: SEE SPECIAL NOTICES --CONTINUOUS POWER FACILITIES.
- TWY E1 RESTRICTED TO ACFT WITH A WINGSPAN LESS THAN 79 FT.
- B747-8 RESTRICTED TO MAXIMUM TAXI SPEED 17 KTS (20 MPH) ON TWY J.
- ENGINE RUN-UPS BTW 2200L & 0700L REQUIRE PRIOR APPROVAL FM ARPT OPS.
- ALL 180 DEG TURNS OUT OF APRON POSITIONS SHALL BE MADE USING MINIMUM POWER.
- ITINERANT ACFT CTC FBO ON 122.95 FOR SERVICES.
- ALL AIRCRAFT WITH WINGSPAN EXCEEDING 118 FT ARE RESTRICTED FROM USING TAXILANE A BTN A1 & A5.
- RUNUP BLOCKS FOR RY 30 DESIGNATED AS NON-MOVEMENT AREA.
- TAXILANE 'C' ACTIVE; PUSHBACK CLNCS ON NORTH SIDE OF MIDFIELD TERMINAL ARE ONTO TAXILANE 'D' ONLY UNLESS OTHERWISE AUTH.
- ACR PUSH BACKS & PWR FM ALL APRON PSNS REQUIRE CLNC FM MWAA RAMP TWR.
- LARGE FLOCKS OF BIRDS ON & INVOF ARPT/DEER INVOF ARPT.
- DURING PERIODS OF ACFT SATURATION LONG TERM PARKING MAY NOT BE AVAILABLE. SERVICES FOR FUEL AND GO ONLY WILL BE AVAILABLE.
- FLIGHT TRAINING BETWEEN 2200-0700 IS PROHIBITED.
- RY STATUS LGTS ARE IN OPN.

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

#### g. Airport Charts

Below the remarks section is an area consisting of chart links related to the specified airport. The first section provides links to the Airport Charts and Publications. The second contains the links to the Standard Terminal Arrival (STAR) Charts. Following STAR charts are the Instrument Approach Procedure (IAP) Charts. The last section provides Departure Procedure (DP/ODP) Charts. By clicking each link, a new window opens with the related chart.

Airport Charts and Publications CHART SUPPLEMENT AIRPORT DIAGRAM ALTERNATE MINIMUMS TAKEOFF MINIMUMS

Standard Terminal Arrival (STAR) Charts
CAVLR THREE (RNAV)
COATT FIVE
DELRO FOUR
DELRO FOUR, CONT.1
DOCCS TWO
DOCCS

Departure Procedure (DP/ODP) Charts BUNZZ THREE (RNAV)
CAPITAL ONE
CAPITAL ONE, CONT.1
CLTCH TWO (RNAV)
JCOBY THREE (RNAV)
JDUBB TWO (RNAV)
JERES TWO (RNAV)
MCRAY TWO (RNAV)
RNLDI FOUR (RNAV)
SCRAM FOUR (RNAV)
WOOLY ONE (RNAV)

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

### h. National Flight Data Center Link

There is a link to the National Flight Data Center (NFDC) website at the bottom of each airport or heliport information page.

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

# 11. UAS

The UAS NOTAM Form menu item is shown when you hover over the Plan & Brief menu bar item and it allows access to capabilities for Unmanned Aircraft Systems (UAS).

C			
Plan & Brief			
Scheduled Flight Plans			

# 11.1. UAS Operating Area Planning

The UAS planning page allows the pilot to

- Create new UAS Operating Areas.
- Manage planned and active UAS Operating Areas.
- View Past UAS Operating Areas.
- Preview NOTAMs that will be submitted for the operating area.
- Submit NOTAMs for UOAs. The pilot needs to be authorized in order to have this capability enabled and displayed.
- Display the NOTAMs that were submitted.

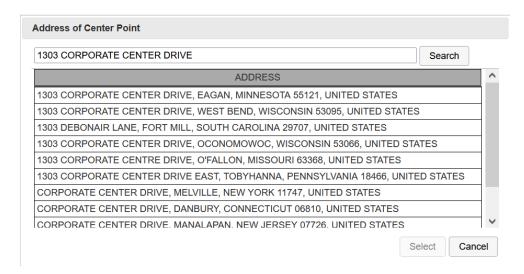
The UAS planning page identifies the required fields to create a UAS Operating Area. Hovering with the mouse pointer over any field label will provide a summary of general syntax and semantic rules for the field and indicate for which actions the field is required. Clicking the label will provide more detailed information about the field. Select the Submit NOTAM check box to submit a NOTAM. Select the Preview NOTAM button to display the NOTAMs that will be submitted.

Clicking on the Video icon will open a help video on UAS Operating Area (UOA) Planning Form.

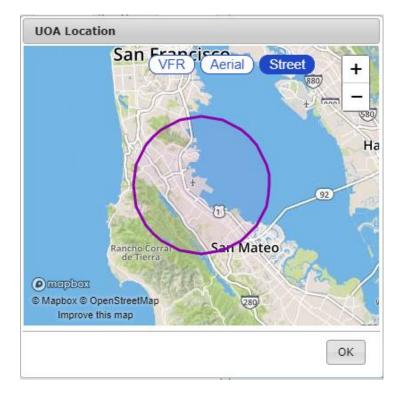
Active UOAs 🗸 🗸	Pending UOAs v F	Past UOAs 🗸
* Click field names for help		UAS & UOA Help
Draft	l <u>titude</u> O MSL O AGL owerft <u>Upper</u> ft	Frequency. O One Flight O Recurring Flight
Derating Area Circular Area (a center point and radius) Center Point Address Ciear Non-circular Area (a boundary defined by a Line (a line defined by multiple points and a Map		Schedule Start Date & Time MM/DD/YYYY HHMM CDT   End Date & Time MM/DD/YYYY HHMM CDT
Contact Information	Additional Information (optional)	NOTAM Creation and Service Registration (required)

Clicking on the Address button located in the Circular Area section of the form will display an address search dialog. This allows you to search for an address that can be used to populate the Center Point field with the address. The Center Point field will then be disabled until the field is cleared by clicking the "Clear" button.

To search for an address, enter the search criteria (2-125 characters) in the text box and click the Search button. A list of address matches will be displayed. Select the desired address by clicking on it, and then clicking the Select button. If no matches are found, the text "No addresses match search criteria." is displayed. If the address lookup service is unavailable, the text "Address search is unavailable. It will be available again tomorrow." is displayed. Any other error displays the text, "There was an error during processing."



Clicking on the Map button located in the Operating Area section of the form will display a map depicting the proposed UAS operating area. An operating area must be specified prior to displaying the map. If no operating area is specified, the map will not open and the operating area section on the form will indicate being required. The map can be panned and zoomed using either the mouse and on screen controls. The map provides three selectable views; Street, Aerial and VFR, the default being the Street view.



### a. UOA Form Validation

The syntax validation for the fields and the required fields are described in the table below.

UOA Form		
Field	Syntax Validation	Description
Aircraft ID or Reg. No.	8-10 alphanumeric characters or 1 letter followed by 1-6 alphanumeric characters Examples: 2330012013, N0819W	<ul> <li>This is the identification for the UAS. The Aircraft ID or Registration Number of the UAS should be used when available.</li> </ul>
Minimum Altitude	• 1-5 digits, max of 17999	<ul> <li>The minimum height of the UOA in Mean Sea Level (MSL) feet or Above Ground Level (AGL).</li> <li>When AGL is selected, this field defaults to Surface (SFC).</li> </ul>
Maximum Altitude	• 1-5 digits, max of 17999	The maximum height of the UOA in Mean Sea Level (MSL) feet or in Above Ground Level (AGL)
Frequency	One Flight or Recurring Flight must be selected	<ul> <li>Indicates if the UOA is being defined for a single or recurring flight.</li> </ul>
Start Date & Time	<ul> <li>MM/DD/YYYY; based off of the selected time zone value</li> <li>HHMM; where HHMM are 4 digits, current time based off of the selected time zone value; if not available, will default to your local time</li> <li>Time zone:         <ul> <li>AST</li> <li>ADT</li> <li>EST</li> <li>EDT</li> <li>CST</li> <li>CDT</li> <li>CST</li> <li>CDT</li> <li>AST</li> <li>ADT</li> <li>PST</li> <li>PDT</li> <li>AKST</li> <li>AKDT</li> <li>HST</li> <li>UTC</li> </ul> </li> <li>Must be no more than 27 days from current day</li> </ul>	<ul> <li>This identifies the start time of the UOA for a single flight.</li> <li>Visible when One Flight is selected for Frequency</li> </ul>
End Date & Time	<ul> <li>MM/DD/YYYY; based off of the selected time zone value</li> <li>HHMM; where HHMM are 4 digits, current time based off of the selected time zone value; if not available, will default to your local time</li> <li>Time zone:         <ul> <li>AST ADT EST</li> <li>CDT CST</li> <li>CDT MST</li> <li>MDT PST PDT AKST AKDT HST UTC</li> </ul> </li> </ul>	<ul> <li>This identifies the end time of the UOA for a single flight</li> <li>Visible when One Flight is selected for Frequency</li> </ul>

	UOA Form	
Field	Syntax Validation	Description
	Must be no more than 365 days from     autropt day	
First Day	<ul> <li>current day</li> <li>MM/DD/YYYY</li> <li>If submitting UOA with NOTAMs, or previewing NOTAMs, in combination with the start of the daily active time range, must be less than or equal to 72 hours from the current time.</li> </ul>	<ul> <li>The day the UOA schedule begins.</li> <li>Visible when Recurring Flight is selected for Frequency</li> </ul>
Last Day	<ul> <li>MM/DD/YYYY</li> <li>Must be no more than 365 days from current day</li> </ul>	<ul> <li>The day the UOA schedule ends.</li> <li>Visible when Recurring Flight is selected for Frequency</li> </ul>
Active Days	At least one must be selected	<ul> <li>The days of the week the UOA will be active, within the first and last days of the schedule.</li> <li>Visible when Recurring Flight is selected for Frequency</li> </ul>
Daily Active Time Range	<ul> <li>At least one of the three options must be selected.</li> <li>When specifying start and end time explicitly:</li> <li>HHMM; where HHMM are 4 digits, current time based off of the selected time zone value; if not available, will default to pilot's local time</li> <li>Time zone:         <ul> <li>AST</li> <li>ADT</li> <li>EST</li> <li>EDT</li> <li>CST</li> <li>CDT</li> <li>MDT</li> <li>PST</li> <li>PDT</li> <li>AKST</li> <li>AKST</li> <li>AKDT</li> <li>HST</li> <li>UTC</li> </ul> </li> </ul>	<ul> <li>The time range during the day the UOA will be active, on those days where it is active.</li> <li>Visible when Recurring Flight is selected for Frequency</li> </ul>
Operating Area	Selection of either Circular Area, Non- circular Area or Line	<ul> <li>This selection is used to select if the UOA will be a circular shape, a polygon or a line.</li> </ul>
Circular Area - Center Point	<ul> <li>One of the following formats:</li> <li>2-4 alphanumeric airport/heliport/navaid (default airport) identifier Examples: HGR, KSEA, 90I5</li> <li>8-20 character latitude/longitude in the format aabb(ss)(.)(t)(A)(/)(c)ccdd(ss)(.t)(B), where parentheses denote optional characters</li> <li>aa is degrees latitude in the range 00-90</li> <li>bb is minutes latitude in the range 00-59</li> <li>(c)cc is degrees longitude in the range 00-59</li> <li>(c)cc is degrees longitude in the range 00-59</li> <li>(c)t is minutes longitude in the range 00-59</li> <li>(.t) is tenths of a second .0 to .9</li> <li>(A) is either N or S (North or South, default to N if unspecified)</li> <li>(B) is either W or E (West or East, default to W if unspecified)</li> </ul>	<ul> <li>This field identifies the center point of a circular area. Different formats can be used to identify this area, including navaids, FRDs, or latitude/longitudes.</li> <li>FRDs only permitted when referenced from a VOR</li> <li>Visible only when Circular Area is selected</li> </ul>

	UOA Form	
Field	Syntax Validation	Description
Circular Area - Radius Point	<ul> <li>Example: 4449N/7322W</li> <li>9-11 alphanumeric fix-radial-distance in the format AAAaaabbb(.b(b)), where parentheses denote optional characters</li> <li>AAA is 3 alphanumeric VOR identifier</li> <li>aaa is radial measure in degrees from North in the range 001-360</li> <li>bbb(.b(b)) is distance in nautical miles in the range 001-999 or 000.01-999.99</li> <li>Example: HGR001024</li> <li>Range .1 to 25.0</li> </ul>	This identifies the radius of the
		<ul> <li>UOA in nautical miles from the center point.</li> <li>Nautical miles can be calculated by multiplying miles by 0.87.</li> <li>Visible only when Circular Area is selected</li> </ul>
Non-circular Area	<ul> <li>2-558 character describing at least three point which can be in the following formats:</li> <li>2-4 alphanumeric airport/heliport/navaid (default airport) identifier Examples: HGR, KSEA, 90I5</li> <li>8-20 character latitude/longitude in the format aabb(ss)(.)(t)(A)(/)(c)ccdd(ss)(.t)(B), where parentheses denote optional characters</li> <li>aa is degrees latitude in the range 00-90</li> <li>bb is minutes latitude in the range 00-59</li> <li>(c)cc is degrees longitude in the range 00-180</li> <li>dd is minutes longitude in the range 00-59</li> <li>(.t) is tenths of a second .0 to .9</li> <li>(A) is either N or S (North or South, default to N if unspecified)</li> <li>(B) is either W or E (West or East, default to W if unspecified)</li> <li>Example: 4449N/7322W</li> <li>9-11 alphanumeric fix-radial-distance in the format AAAaaabb(.b(b)), where parentheses denote optional characters</li> <li>AAA is 3 alphanumeric VOR identifier</li> <li>aaa is radial measure in degrees from North in the range 001-360</li> <li>bbb(.b(b)) is distance in nautical miles in the range 001-99.99</li> </ul>	<ul> <li>This field is used to define a non-circular area. The points entered will be used to create the boundary for the UOA.</li> <li>FRDs only permitted when referenced from a VOR</li> <li>Visible only when Non-circular Area is selected</li> </ul>
Line - Points	<ul> <li>Example: HGR001024</li> <li>2-558 character describing at least three point which can be in the following formats:         <ul> <li>2-4 alphanumeric airport/heliport/navaid (default airport) identifier</li> <li>Examples: HGR, KSEA, 90I5</li> <li>8-20 character latitude/longitude in the format</li> </ul> </li> </ul>	<ul> <li>This field is used to define a line to be used to create the boundary for the UOA.</li> <li>FRDs only permitted when referenced from a VOR</li> <li>Visible only when Line is selected</li> </ul>

	UOA Form	
Field	Syntax Validation	Description
	<ul> <li>aabb(ss)(.)(t)(A)(/)(c)ccdd(ss)(.t)(B), where parentheses denote optional characters</li> <li>aa is degrees latitude in the range 00-90</li> <li>bb is minutes latitude in the range 00-59</li> <li>(c)cc is degrees longitude in the range 00-180</li> <li>dd is minutes longitude in the range 00-59</li> <li>(c)c is degrees longitude in the range 00-59</li> <li>(c) tis is tenths of a second .0.9</li> <li>(A) is either N or S (North or South, default to N if unspecified)</li> <li>(B) is either W or E (West or East, default to W if unspecified)</li> <li>Example: 4449N/7322W</li> <li>9-11 alphanumeric fix-radial-distance in the format AAAaaabb(.b(b)), where parentheses denote optional characters</li> <li>AAA is 3 alphanumeric VOR identifier</li> <li>aaa is radial measure in degrees from North in the range 001-360</li> <li>bbb(.b(b)) is distance in nautical miles in the range 001-999 or 000.01-999.99</li> </ul>	
Line - Width	Example: <b>HGR001024</b> Range .1 to 25.0	<ul> <li>This identifies the width of the UOA line in nautical miles around the center line.</li> <li>Nautical miles can be calculated by multiplying miles by 0.87.</li> <li>Visible only when Line Area is selected</li> </ul>
Contact Information	1-200 characters.	• The name and phone number of the UAS operator.
Additional Information (optional)	1-200 characters.	<ul> <li>Any additional information, such as a description of the flight.</li> </ul>
Pre-programmed Contingency Route (optional)	1-500 characters.	<ul> <li>This field is used if the UAS includes a pre-programmed contingency route.</li> </ul>
NOTAM COA Identifier (Certificate of Waiver or Authorization)	Authorized COA Identifier	<ul> <li>Authorized identifier issued to a public operator for a specific UOA activity for which NOTAMs are submitted.</li> <li>Required for the UOA</li> <li>Enabled when the User is Registered</li> </ul>
Preview NOTAM	• N/A	<ul> <li>Displays the NOTAM text that would be submitted to the USNS when the UOA is submitted.</li> <li>Enabled when the User is Registered</li> </ul>
View NOTAM	• N/A	<ul> <li>Displays the NOTAM text that has already been successfully submitted to the USNS for the UOA.</li> <li>Visible only after the UOA has been submitted.</li> </ul>

#### b. Active, Pending and Past UOA Lists

These lists provide access to the UOAs associated with your account. When a UOA is created it will be added to one of the lists.

- Active UOAs A UOA will be in this list if it the start time is in the past and the end time is in the future
- **Pending UOAs** A UOA will be in this list if the start time is in the future.
- **Past UOAs** A UOA will be in this list if the end time is in the past. UOAs remain in the system and are assessable for 45 days.

#### c. UOA states and actions

The initial UOA form shows the state of <u>Draft</u>. This indicates that the UOA is not yet created. The following options available are:

- **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 <u>Pending</u>. The following options available are:

- 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 <u>Active</u>. The following options available are:

- 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 <u>Past</u>. 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.

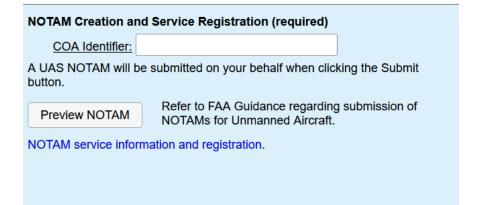
#### d. NOTAM Submission

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:

NOTAM Creation and Service Registration (required)		
COA Identifier:		
A UAS NOTAM will b button.	e submitted on your behalf when clicl	king the Submit
Preview NOTAM	Refer to FAA Guidance regarding NOTAMs for Unmanned Aircraft.	submission of
NOTAM service information and registration.		

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



#### To register for NOTAM submission:

- 1. Click on the link to open the registration dialog window.
- 2. Review the information presented.
- 3. If you have reviewed the training video, check the applicable checkbox.

- 4. If you agree to the terms and conditions, check the applicable checkbox.
- 5. Click the "Register" button.
  - a) Note: The "Register" button will not be enabled until both of the above checkboxes have been checked.

UAS NOTAM Services Registration dialog window to register for NOTAM submissions.

UAS NOTAM Service Registration		
Automated UAS NOTAM Service		
Registration Status: Not Registered		
The Flight Services Automated UAS NOTAM Service generates and submits UAS NOTAMs.		
You must register for this service to generate and submit the appropriate UAS NOTAM(s) required to create a UOA. NOTAM(s) will be submitted 72 hours prior to the UOA start time and an email confirmation will be sent to you.		
Registration is effective for one year. After one year, you will be required to re-register.		
To register, complete these steps:		
1. Review this training video.		
2. Review the disclaimer.		
• The Automated UAS NOTAM Service is for use only by UAS operators that are required by a Certificate of Authorization (COA) to submit Unmanned Aircraft Airspace NOTAMs for their operations.		
• The Automated UAS NOTAM Service is an FAA-authorized alternative to contacting Flight Service via telephone to submit required NOTAMs.		
<ul> <li>Operators must comply with all terms of their COA(s), including the timing of NOTAM submission and limiting operations only to authorized locations.</li> </ul>		
<ul> <li>Operators must only submit NOTAMs for actual operations, and NOTAMs must be associated with the appropriate COA.</li> </ul>		
3. Acknowledge viewing the training video and agree to the disclaimer.		
<ul> <li>I have reviewed the training video.</li> <li>I agree to and accept the disclaimer.</li> </ul>		
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: 05/28/2020		
The Flight Services Automated UAS NOTAM Service generates and submits UAS NOTAMs.		
You must register for this service to generate and submit the appropriate UAS NOTAM(s) required to create a UOA. NOTAM(s) will be submitted 72 hours prior to the UOA start time and an email confirmation will be sent to you.		
Registration is effective for one year. After one year, you will be required to re-register.		
To register, complete these steps:		
1. Review this training video.		
2. Review the disclaimer.		
• The Automated UAS NOTAM Service is for use only by UAS operators that are required by a Certificate of Authorization (COA) to submit Unmanned Aircraft Airspace NOTAMs for their operations.		
<ul> <li>The Automated UAS NOTAM Service is an FAA-authorized alternative to contacting Flight Service via telephone to submit required NOTAMs.</li> </ul>		
<ul> <li>Operators must comply with all terms of their COA(s), including the timing of NOTAM submission and limiting operations only to authorized locations.</li> </ul>		
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.		
<ul> <li>I have reviewed the training video.</li> <li>I agree to and accept the disclaimer.</li> </ul>		
Register Cancel Registration Close		

# 12. SMS Text Messaging Service

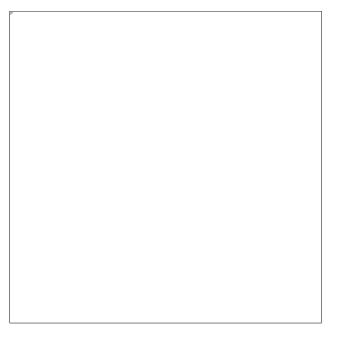
Leidos Flight Service provides weather conditions via SMS Text Message. Pilots may request weather reports by texting 358-782 (FLTSVC). Pilots with a Canadian or Iridium Satellite phone number can text the toll-free number at 855-934-0038 for weather reports. All commands are case-insensitive. The valid commands are "METAR", "TAF", and "ACU".

#### a. METAR and TAF

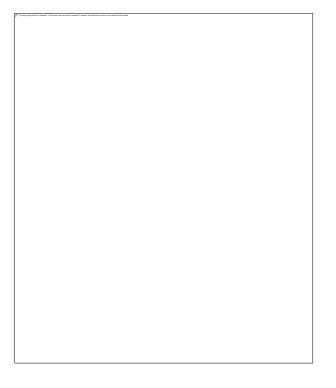
To request the METAR for an airport text "METAR" or "M" followed by the airport code.



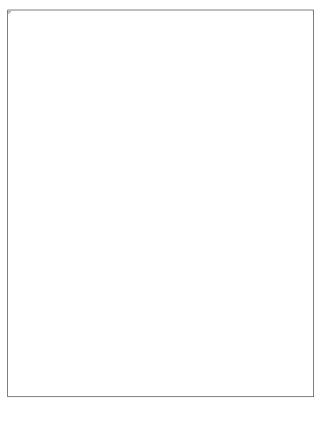
To request the TAF for an airport text "TAF" or "T" followed by the airport code.



For either command, append "PT" to the command to receive the report in plain text.



Both reports may be obtained at once by texting "MT" followed by the airport code.

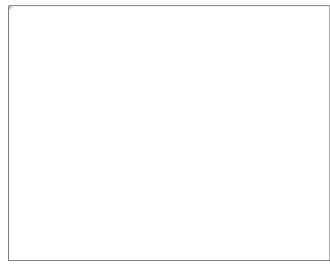


#### b. Adverse Condition Updates (ACU)

Text "ACU," to receive a summary of any new adverse conditions for upcoming flights. If there are none, a positive indication that there are no new conditions reported will be sent. This service allows pilots to check if there are any new Adverse Conditions or TFRs since they filed a flight plan. This content is recorded and can be used to provide confirmation that they received the most up-to-date adverse conditions for their flight.

#### c. Help

To request more information about the text message options, text "Help". The reply will ask for a command to provide help for. Text either "METAR", "TAF", or "ACU" to receive information about the relevant command.



#### d. Activating and Closing Flight Plans

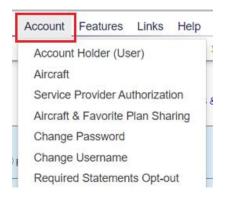
Flight plans can be activated and closed via SMS messages using the EasyActivate<sup>™</sup> EasyClose<sup>™</sup> service.

See **Section 6.1.b** for more information.

### 13. Account

Hovering over the Account menu displays the links shown below.

- Account Holder (User)
- Aircraft
- Service Provider Authorization
- Aircraft & Favorite Plan Sharing
- Change Password
- Change Username



#### a. Account Holder (User)

The top of the page is a prolog which describes the benefits provided by the page.

Account Holder (User)	
The information provided here will improve the flight services you receive in these ways:	
<ul> <li>Name and primary phone number will automatically be populated into flight plans.</li> <li>Specialists will have access to this information to support Search and Rescue.</li> <li>When calling for service from a number below, specialists will automatically see who is calling, to speed your service.</li> <li>Contact information below will be available for your use when registering for services, such as ACAS and SE-SAR.</li> </ul>	
Your personal information is protected.	

#### The first section is the Username box.

Username		
Username:	test@user.com	Change Username

In this section, the pilot's current user name is shown in the Username field which is the email address used to login to the Website. The user may change their username by clicking on the "Change Username" link. Once clicked, the user will be directed to the "Change Username" page.

The second section is the Name box.

Name
Edit Save
First Name:
Middle Initial:
* Last Name / Organization: TESTER
Suffix:

In this section, pilots enter the details of their name. Please note that pilots can update any field in this section at a later date if needed.

- Pilots can enter their first name in the First Name field which can be special characters, numbers and space with maximum length of 15 characters. Please note that this field is optional and can be left blank.
- Pilots can enter their middle initial in Middle Initial field which can be a special character or number with maximum length of 1 character. Please note that this field is optional and can be left blank.

- Pilots can enter their last name in the Last name field which can be special characters, numbers and space with maximum length of 40 characters.
- Pilots can enter their name suffix in the Suffix field which can be special characters, numbers and space with maximum length of 4 characters. Please note that this field is optional and can be left blank.

The third section is the **Pilot Details** box.

Pilot Details	
Edit 🗟 Save	
Certification:	
Logged Hours:	
Instrument Rated:	

In this section there are three fields: Certification, Logged Hours, and Instrument Rated. These fields are optional and can be updated at a later date if needed.

• Pilots can select their certification from the Certification drop down box.

	T
Airline Transport	
Commercial	
Flight Instructor	
Ground Instructor	
Private	
Recreational	
Sport	
Student	

- Pilots can record the hours they have flown in the Logged Hours field. Only numbers can be entered in this field with maximum length of 6 characters.
- Pilots can indicate if instrument rated by checking the box Instrument Rated. This can be checked later once instrument rated is achieved.

The fourth section is the Address box.

Address
Edit 🛛 Save
Address (line 1):
Address (line 2):
City:
State/Prov.
Country:
Postal Code:

In this section there are six fields for pilots to record the details of their address. All these fields can be left blank or updated at a later date if needed. However, if one of these fields is filled out, the user must enter all other fields with the exception of Address (line 2).

- Pilots can enter their street address in the Address (line 1) field which can be special characters, numbers and space with maximum length of 50 characters.
- Pilots can enter additional address information in the Address (line 2) field which can be special characters, numbers and space with maximum length of 50 characters. This can be used if the address does not fit in the Address (line 1) field.
- Pilots can enter the city where they live in the City field which can be special characters, numbers and space with maximum length of 25 characters.

• Pilots can select the state or province where they live from the State/Prov field drop down box. Pilots also have the option to enter the first letter and it will display the first state or province that starts with that letter. If there are more than one state or province starting with that letter, hitting the letter again will cycle though the different choices. Example if M is selected then Maine is displayed; if you press the M key more than once it will cycle though the other states or provinces that start with the letter M - Maryland, Massachusetts, Michigan etc.

•	ottor in maryian	
Γ	Kentucky	
ł	Lousiana	
ł	Maine	
þ	Maryland	
ł	Massachusetts	
ł	Michigan	
þ	Minnesota	
	Mississippi	
	Missouri	
	Montana	
	Nebraska	
	Nevada	
1	New Hampshire	
	New Jersey	Ξ
	New Mexico	
	New York	
	North Carolina	
	North Dakota	
	Ohio	
	Oklahoma	1
	Oregon	
	Pennsylvania	
	Rhode Island	
	South Carolina	
	South Dakota	
	Tenessee	
	Texas	
	Utah	
	Vermont	
Ľ	Virginia	-
		-

• Pilots can select the country where they live from the Country field drop down box. Currently, the 3 choices are - United States of America, Canada or blank.



• Pilots can enter their zip code in the Postal Code field which can be special characters, numbers and space with maximum length of 10 characters.

The fifth section is the **Primary Phone Number** box.

Primary Phone Number		
Edit 🗟 Save		
* Phone Number (Primary): (952) 952-9529	Mobile	

#### In this section pilots must provide one primary phone number.

• Pilots can enter their primary phone number in the Phone Number (Primary) field which can be numbers or (xxx) xxx-xxxx format with maximum length of 15 characters. Next to the Phone Number (Primary) field is a drop down box to select the phone type.



The sixth section is the Additional Phone Numbers box.

Additional Phone Numbers

Add Phone Number

Save

Nine additional phone numbers may be added.

Pilots can click on Add Phone Number to add additional phone numbers following the same format as described above for primary phone number.

Additional Phone Num	bers		
• Add Phone Number	Save	Cancel	A Edits Not Saved
Phone Number:			Mobile V Delete

To delete any additional phone numbers click on the

The seventh section is the Emergency Contacts box.

Add Emergency Contact
 Save

In this section pilots can click on Add Emergency Contact to add optional emergency contacts. Nine additional emergency contacts may be added.

Emergency Contacts	
• Add Emergency Contact 🛛 Save	Cancel A Edits Not Saved
Name:	Phone Number: Mobile   Delete

- Pilots can enter their emergency contact name in the Name field which can be special characters, numbers and space with maximum length of 51 characters.
- Pilots can enter their emergency contact phone number in the Phone Number field which can be numbers or (xxx) xxx-xxxx format with maximum length of 15 characters. Next to the Phone Number field is a drop down box to select the phone type.

To delete any additional phone numbers click on the

The last section on this page is the **Email Addresses** box.

Email Addresses	
Add Email Address	Save
* Email Address (Primary):	test@user.com

In this section the pilot's primary email address is shown in the Email Address (Primary) field. Nine additional email addresses may be added.

• Email address must include a @ sign in the Email Address (Primary) field which can be special characters, numbers and letters. Next to the Email Address (Primary) field is a drop down box to select the email type.



Pilots can click on 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): te	t@user.com	
Email:	Work	

To delete any additional email addresses click on the

#### b. Aircraft

For each aircraft there are two sections: Aircraft Information and Aircraft Performance. The first aircraft that is added will automatically be set as the primary aircraft.



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	ı		
🖍 Edit 📄 Save	* Click field nam	es for help	* Required fields
* Aircraft ID:	TTT123	Primary Aircraft (default entry in flight plans)	

Click the *Edit* button to allow changes to the aircraft information including the selection Set as Primary Aircraft (default entry in flight plans). Selecting the Primary Aircraft checkbox and then saving, will set the currently viewed aircraft as primary.

The first section is the Aircraft Information box.

In this section pilots can enter the details of their aircraft. Please note that pilots can update any field in this section at a later date if needed. The information from this section will be pre-populated in the corresponding fields on the Plan & Brief page whenever the Aircraft ID is selected.

If an aircraft has a Position Reporting Device installed, it may be entered below. Portable Position Reporting Device can be added from Dashboard->Advanced Services Dashboard.

Note: If Garmin inReach (DeLorme) is selected, an authentication code (provided by Garmin inReach (DeLorme)) must be appended to the device ID in order for the aircraft to be successfully saved to the profile. Enter the IMEI (device ID), a hyphen, and the 5 digit authentication code (no spaces). Each installed and portable special device must have a unique device ID. Duplicates are not allowed.

Aircraft information will a	itomatically populate t				
			Navigational Log fue	I burn estimates, and Estimated E	Elapsed Time calculations.
make updates select the ap	ppropriate "Edit" buttor	n, update information, the	n select "Save".	Phone), then select "Save". lect "Delete" in the confirmation di	alog.
Add Aircraft	View Aircraft ID: PE	RSONAL -> TEST123	▼ 🝵 Delete	a Aircraft	
Aircraft Information					
🖌 Edit 😁 Save	* Click field names for	help			* Required field
* Aircraft ID:	TEST123	Set as Primary Aircra	ift (default entry in flig	ht plans)	
Aircraft Type:	C172				
Position Reporting Device Type:		? Help			
Position Reporting Device					
Aircraft Color (Optional);					
Fuel Capacity:	Gallons				
Home Base:	KIAD				
* Home Base Phone:	(555) 555-5555				
or use with domestic flig	ht plans only:				
Aircraft Equipment:					
Airspeed:					
or use with ICAO flight p	lans only:				
Aircraft Equipment:					
Surveillance Equipment					
Cruising Speed:					
Supplementary Information	: Emergency Radios	Survival Equipment	Jackets	Dinghies	
	UHF	Polar	Light	Number Capacity Color	Covered
	UHF ELBA	Desert Maritime	UHF		
	- LLDA	Jungle	VHF		
Other Information:					
OTHER INFORMATION.					
Aircraft Performance					
Note: If data is entered in o	one aircraft performant	ce field, then all aircraft pe	erformance fields becc	ome required.	
🖌 Edit 🛛 👩 Save					
Fuel Units:	Gallons				
Startup/Taxi Fuel Burn;					
Climb Performance					
Airspeed:	knots				
Fuel Burn Rate:	gallons/	hour			
Climb Rate:	feet/min	ute			
Cruise Performance					
Cruise Performance Fuel Burn Rate:	gallons/	hour			
Fuel Burn Rate: Provide Hourly Burn					
Fuel Burn Rate: Provide Hourly Burn					
Provide Hourly Burn Descent Performance	i Rates What's th	is?			

The second section is the Aircraft Performance box.

In this section pilots can enter the performance data of the aircraft previously entered into the Aircraft Information section. Please note that pilots can update the fields in this section at any time for an aircraft in their profile.

The performance data entered in the Aircraft Performance section is used when generating Navigation Logs, Route Briefings, Altitude Optimization, EET calculation, and Departure Time Evaluation. The availability of the performance data will improve the fuel consumption estimates and accuracy of the time enroute calculations provided in the Navigation Log and Altitude Optimization dialogs. It will improve the accuracy of the estimated intersection times provided in the NextGen Route Briefings and the Evaluate Departure Time dialog. Aircraft performance data is not required. If aircraft performance data is not provided the fuel consumption will not be calculated. The time enroute and estimated intersection times will be based on the airspeed provided in the flight plan and will not include the aircrafts climb and descend characteristics. Following sections constitute Aircraft's Performance profile.

- Startup/Taxi Fuel Burn
- Climb Performance
- Cruise Performance
- Descent Performance

Aircraft Performance	
* Note: If data is entered in one aircr	aft performance field, then all aircraft performance fields become required.
🖋 Edit 📑 Save	
Fuel Units: Gallon	5
Startup/Taxi Fuel Burn:	
Climb Performance	
Airspeed:	knots
Fuel Burn Rate:	gallons/hour
Climb Rate:	feet/minute
Cruise Performance	
Fuel Burn Rate:	gallons/hour
O Provide Hourly Burn Rates	What's this?
Descent Performance	
Airspeed:	knots
Fuel Burn Rate:	gallons/hour
Descent Rate:	feet/minute

#### • Startup/Taxi Fuel Burn

Fuel used during startup/taxi which will be added to the fuel used in the first leg of the flight.

*Fuel Consumed* - representing units selected above in the format, 1-6 digits; minimum 0.1, maximum 99999.9.

#### • Climb Performance

Parameters used to calculate the fuel burn for the climb portion of the flight plan. *Airspeed* - representing knots in the format, 1-4 digits; minimum 1, maximum 3700.

*Fuel Burn Rate* - representing units selected above in the format, 1-6 digits; minimum 0.1, maximum 99999.9.

*Climb Rate* - representing ft/min in the format 1-5 digits; minimum 1, maximum 99999.

#### • Cruise Performance

Parameter used to calculate the fuel burn for the cruise portion of the flight plan.

*Fuel Burn Rate* - representing units selected above in the format, 1-6 digits; minimum 0.1, maximum 99999.9.

To enter hourly fuel burn rates, click on the following button:

Provide Hourly Burn Rates

Fuel Burn Rate for Cruise Performance can be entered in increments of hours for a total of 8 hours. These values enable the system to improve the accuracy of the fuel consumption estimate. If a flight exceeds the total number of Hourly Burn Rate entries, the system will use the last hourly entry for the remainder of the cruise portion of the flight. If Hourly Burn Rates are not provided, the system will use the single Cruise Performance Fuel Burn Rate for the cruise portion of the flight.

Cruise Performance		
Fuel Burn Rate:		
Hour 1:	321	gallons/hour
Hour 2:	320	]
Hour 3:	300	
Hour 4:	280	
Hour 5:	230	
Hour 6:	200	
Hour 7:	170	
Hour 8 & beyond:	150	i Delete
Add Another Hour     What's this?		

Hourly Fuel Burn Rates can be added, up to a maximum of 8 hours, by clicking on the • Add Another Hour button.

By clicking the Delete button, the last Hourly Fuel Burn Rate entered in aircraft's profile can be deleted.

#### • Descent Performance

Parameters used to calculate the fuel burn for the descent portion of the flight plan.

*Airspeed* - representing knots in the format, 1-4 digits; minimum 1, maximum 3700.

*Fuel Burn Rate* - representing units selected above in the format, 1-6 digits; minimum 0.1, maximum 99999.9.

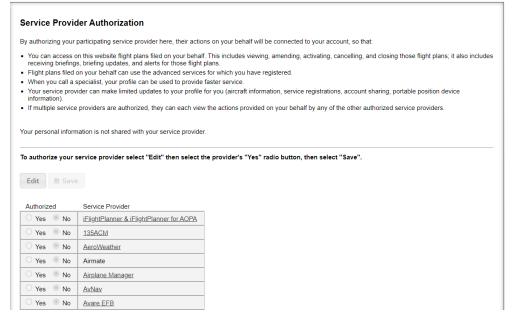
*Descent Rate* - representing ft/min in the format 1-5 digits; minimum 1, maximum 99999.

#### c. Service Provider Authorization

This page has a list of service providers that are available for selection.

For you to use external flight service providers, you must authorize them to work with Leidos Flight Service on your behalf in order to perform actions using your Pilot Web account. These actions can include, but are not limited to, flight planning actions, weather data retrieval, and Pilot Web account updates.

You can authorize any number of service providers based on your preference.



#### d. Aircraft & Favorite Plan Sharing

This page allows pilots to share their favorite flight plans and aircraft profiles with other users. When sharing, the user will be able to view your Aircraft from the Account->Aircraft page. The user will also be able to view and select both your Favorite Flight Plans and/or Aircraft from the Flight Planning page.

craft & Favorite Plan Sharing				What's						
Account Sharing Code Off	On									
Add Pilot Username	First		Last	Save						
	Users I Sh	are With	ı							
Account Username	Pilot First Name	\$	Pilot Last Name	\$						
test0@test.com Zara Smith Delete										
Enter Code Requ	est Sharing									
	Users Shari	ng With	Me							
Account Username	Account Username 🔺 Pilot First Name 💠 Pilot Last Name 💠									
	Nor	20								

Pilots can share using two different methods:

- 1. Use the Add Pilot section to enter the pilots username, first name, and last name and press the Save button. Inputted email address is validated syntactically and semantically to check if the username exists.
- 2. Turn on the Account Sharing Code to generate a sharing code. Provide this code to other pilots who can then enter it in the "Users Sharing With Me" section. Once they enter the code you will see these pilots listed as Users I Share With.

Pilots can stop sharing using two different methods:

- 1. To stop sharing with an individual user, click on entry next to the name of that user.
- 2. Turning off the Account Sharing Code will remove all users that requested sharing via that sharing code. Turning the Account Sharing Code back on will generate a new code which will need to be provided to the pilots you wish to share with.

#### e. Change Password

Reference section Change Password

#### f. Change Username

Reference section Change Username

### 14. Features

Hovering over the Features menu displays the links shown below.

- Adverse Condition Alerting Service (ACAS)
- Automated Voice Service
- Graphic Checklist
- Mobile Web
- NextGen Briefings

- Preflight Summaries
- Surv Enhanced Search & Rescue (SE-SAR)
- Text Message Service

	Features	Links	Help
1	Adverse	Conditio	on Alerting Service (ACAS)
c	Automat	ed Voice	e Service
	Graphic	Checklis	st
	Mobile V	Veb	
	NextGer	n Briefing	gs
	Preflight	Summa	ries
	Surv En	hanced s	Search & Rescue (SE-SAR)
	Text Me	ssage Se	ervice
4	Password	1	

# 15. Links

Hovering over Links in the menu bar causes a drop-down to appear containing links for navigating to external websites with FAA, weather, and general aviation resources.

### 16. Help

Hovering over Help in the menu bar causes a drop-down menu to be displayed. It contains the links shown below.

- a. Announcements
- b. Contractions Lookup
- c. Frequently Asked Questions
- d. Helpful Videos
- e. User Guide

Flight	Service	Home	Dashboard	Мар	Wx Charts	Plan & Brief	Airports	Account	Features	Links	Help	Logout
Welcome E	DASTI								Tue Mar 15	14:40:1	Ann	ouncements
Featured Capabil	ities		Nev	vs & A	nnounceme	nts		U	pcoming E	vents		tractions Lookup
NextGen		DEI		March 27, 2019 New Mobile Website					There are no upcomin			Frequently Asked Questions Helpful Videos
Briefing						nte / has a mobile	-friendly	F	eatured Vie	deo	Use	r 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.

	arch For Contraction Company Code Country Code Show Full List er Search Term: Show	Plain Langua	age	Show Co	ntraction	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				Designator	1
Ballo		-			BALL	-
	rs, sailplanes				GLID	-
	light/microlight autogyro's				GYRO	-
Airsh					SHIP	-
	light/microlight helicopters				UHEL	-
	light/microlight aircraft				ULAC	1
Aircra	aft types not (yet) assigned	a designato	r		ZZZZ	
Aircra	Criteria aft with cruise (indicated)	Designator	Climb Rate (FPM) 500	Desce Rate (F		
	eeds of 100 knots or less					_
airsp	aft with cruise (indicated) eeds of greater than 100 s, up to and including 200 s	НХВ	750	750	I	
	aft with cruise (indicated) eeds of greater than 200 s	HXC	1,000	1,000	I	
Neid	ght Classes					
Code		Туре				
/S	Small - U.S. designated air		00 lbs or			
/S+	Small 'Plus' U.S. designate 41,000 lbs					
/Lt	Light ICAO designated air	craft of 15,50	0 lbs or l	ess		
	Large U.S. designated airc lbs	craft of more	than 41,0	000 lbs, u	ip to 255,000	
/L		aircraft of mo	re than 1			
/L /M	Medium ICAO designated 300,000 lbs					

Symbol	Type
A	Attack
в	Bomber
С	Cargo/Transport
E	Special Electronic Installation
F	Fighter
н	Helicopter
К	Tanker
0	Observation
Р	Patrol
R	Reconnaissance
S	Antisubmarine
Т	Trainer
U	Utility
V	VTOL and STOL
W	Weather Reconnaissance
х	Research
Z	Airship

- Selecting Frequently Asked Questions will display answers to Frequently Asked Questions about the LFS Website.
- Selecting Helpful Videos will display the Training Videos page in a new tab or window. This link is also available toward the bottom of the LFS Web logon page entitled: <u>Helpful Videos</u>.
- 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

User G	Open
	Open in New Tab
.ast Nam	Open in New Window
	Save Target As

# 17. Login

1

FlightService H	lome	Dashboard	Мар	Wx Charts	Plan & Brief	Airports	Account	Features	Links	Help
-----------------	------	-----------	-----	-----------	--------------	----------	---------	----------	-------	------

To be redirected to the home page for login, click "Home" at the far left of the menu bar. If you are already logged in, the login section requesting for your credentials does not appear on the home page.

## 18. Logout

FlightService Home Dashboard Map Wx Charts Plan & Brief Airports Account Features Links Help Logout To logout, click "Logout" at the far right of the menu bar. If you are not logged in, "Logout" does not appear in the menu bar.