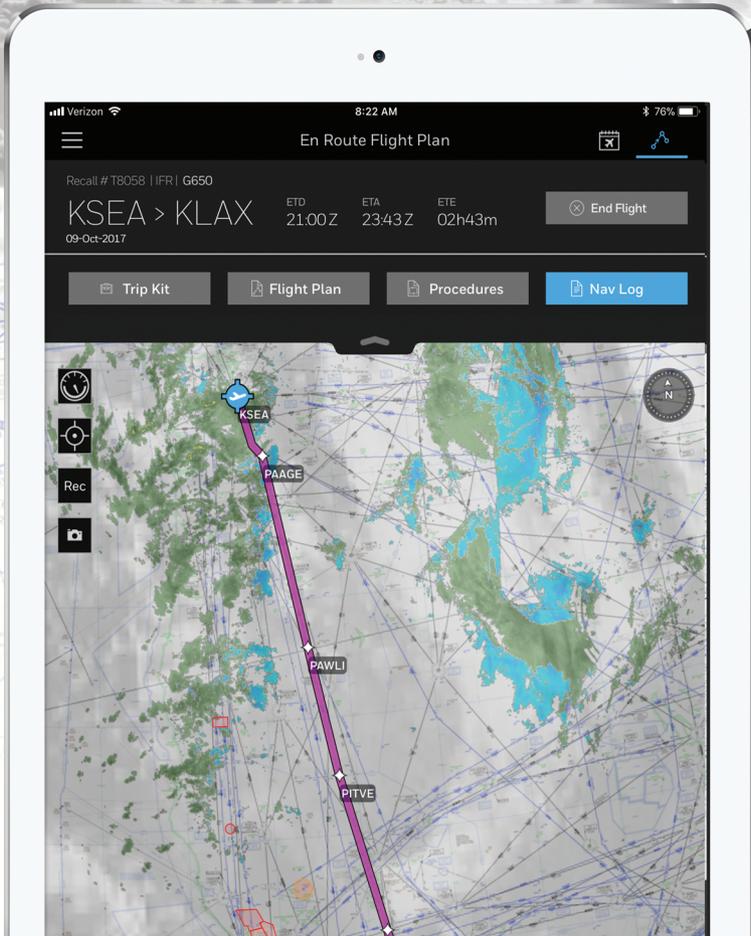




THE POWER OF **CONNECTED**

GoDirect Flight Bag Pro

v1.3 User Guide





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GoDirect Flight Bag Pro v1.3 User Guide

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HONEYWELL, or its authorized representatives, at least once per year, unless HONEYWELL can show reasonable cause for a more frequent occurrence, has the right during normal business hours during the life of this EULA and for three (3) years thereafter to visit you and have access to the inside and outside of your facilities and its employees for the purpose of inspecting, observing, and evaluating: (a) your compliance with all provisions of this EULA; (b) any potential noncompliance with the provisions of this EULA; (c) possession, access, and control of HONEYWELL Software and Materials; (d) inventory, use, and purchase of authorized components in connection with activities under the terms of this EULA; (e) books, records, people, and reports to determine compliance with the terms of this EULA; and (f) observing the manner and method of operating under the terms of this agreement by you. If any of your books, records, people, and reports are located off of your premises, said books, records, and reports will be made available to HONEYWELL or its authorized representatives within five (5) days of request.

19. MISCELLANEOUS

Governing Law and Forum. This EULA shall be governed in all respects by the laws of the United States of America and the State of New York without regard to conflicts of law principles. The parties agree that the United Nations Convention on Contracts for the International Sale of Goods is specifically excluded from the application of this EULA. All disputes arising under this EULA shall be brought exclusively in the state or federal courts in Phoenix, Arizona, as permitted by law. You consent to the personal jurisdiction of the above courts.

Injunctive Relief. It is understood and agreed that, notwithstanding any other provisions of this EULA, breach of the provisions of this EULA by you may cause HONEYWELL irreparable damage for which recovery of money damages would be inadequate and that HONEYWELL shall therefore be entitled to obtain timely injunctive relief to protect HONEYWELL's rights under this EULA in addition to any and all remedies available at law.

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1944 E. Sky Harbor Circle
Phoenix, AZ 85034, U.S.A.
Attn: General Counsel

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Waiver. The failure of either party to enforce at any time any of the provisions of this EULA shall not be construed to be a continuing waiver of any provisions hereunder nor shall any such failure prejudice the right of such party to take any action in the future to enforce any provisions hereunder.

Severability. In the event any provision of this EULA is determined to be illegal, invalid, or unenforceable, the validity and enforceability of the remaining provisions of this EULA will not be affected and, in lieu of such illegal, invalid, or unenforceable provision, there will be added as part of this EULA one or more provisions as similar in terms as may be legal, valid, and enforceable under applicable law.

Headings. The section headings appearing in this EULA are inserted only as a matter of convenience and in no way define, limit, construe, or describe the scope or extent of such section or in any way affect this EULA.

Assignment. You may not delegate, assign, or transfer this EULA, the license(s) granted or any of your rights or duties hereunder, including by way of merger (regardless of whether you are the surviving entity) or acquisition, and any attempt to do so, without HONEYWELL's express prior written consent shall be void. HONEYWELL may assign this EULA, and its rights and obligations hereunder, in its sole discretion. Any attempt to assign or delegate in violation of this cause will be void.

Entire Agreement; Modification. This EULA and all the policies referenced herein constitute the entire agreement between HONEYWELL and you concerning the subject matter hereof, and it may only be modified by a written amendment signed by an authorized executive of HONEYWELL.

Safety and Warnings Information



WARNING: Do not rely solely on the information displayed on the Digital Instrument Panel in GoDirect Flight Bag Pro to maneuver the aircraft.



WARNING: The altitude displayed on the Digital Instrument Panel in GoDirect Flight Bag Pro is the geometric height above Mean Sea Level and could vary significantly from the altitude displayed by pressure altimeters. Always reference the pressure altitude displayed by the aircraft altimeter when determining aircraft altitude.



WARNING: Do not use outdated database information. Databases used in GoDirect Flight Bag Pro must be updated regularly to ensure the information remains current. Pilots using any outdated database do so entirely at their own risk.



WARNING: To reduce the risk of unsafe operation, carefully review and understand all aspects of the GoDirect Flight Bag Pro User Guide, as well as the Pilot's Operating Handbook of the aircraft. Thoroughly practice basic operation prior to actual use. During flight operations, carefully compare indications from GoDirect Flight Bag Pro to all available navigation sources, including the information from other NAVAIDs, charts, visual sightings, etc. For safety purposes, always resolve any discrepancies before aircraft operations and/or continuing navigation.



WARNING: GoDirect Flight Bag Pro has a very high degree of functional integrity. However, the pilot must recognize that providing monitoring and/or self-test capability for all conceivable application failures is not practical. Although unlikely, it may be possible for erroneous operation to occur without a fault indication being displayed by GoDirect Flight Bag Pro. Accordingly, it is the responsibility of the pilot to detect such an occurrence by cross-checking all redundant or correlated information available in the cockpit.



WARNING: For safety reasons, GoDirect Flight Bag Pro operational procedures must be learned on the ground before use in an aircraft.



WARNING: The United States government operates the Global Positioning System and is solely responsible for its accuracy and maintenance. The GPS system is subject to changes which could affect the accuracy and performance of all GPS equipment. Portions of GoDirect Flight Bag Pro utilize GPS as a precision electronic NAVigation AID (NAVAID). Therefore, as with all NAVAIDs, information presented by GoDirect Flight Bag Pro can be misused or misinterpreted and, therefore, can become unsafe.



WARNING: Do not rely on base map (land and water) layer information for primary navigation. Base map data is intended only to supplement other approved navigation data sources and should be considered as an aid to enhance situational awareness.



WARNING: Do not use timestamp of weather information provided in GoDirect Flight Bag Pro to determine the age of the weather information. Due to time delays inherent in gathering and processing weather data, the weather information provided in GoDirect Flight Bag Pro may be significantly older than the indicated timestamp.



WARNING: Do not use weather information provided by GoDirect Flight Bag Pro for maneuvering in, near, or around areas of hazardous weather. Information provided may not accurately depict current weather conditions.



CAUTION: Graphical depictions of weather (radar, satellite, etc.) could be as much as 20 minutes older than the actual weather conditions. The timestamps associated with the graphical depictions only indicate the time since the information was generated by the service provider. This delay should be considered when referencing graphical weather, as the movement and intensity of the weather could adversely affect the safety of flight.



NOTE: All visual depictions contained within this document, including images of GoDirect Flight Bag Pro screens, are subject to change and may not reflect the most current version of the GoDirect Flight Bag Pro app and/or aviation and weather databases.



NOTE: Interference from GPS repeaters operating inside nearby hangars can cause intermittent loss of altitude and heading information displayed in GoDirect Flight Bag Pro while on the ground. Moving more than 300 feet away from the source of the interference should resolve any issues.



NOTE: Temporary Flight Restriction (TFR) data is provided by the FAA and may not be updated outside of normal business hours. Always confirm the information provided is current by cross-checking alternate sources and/or contact the local Flight Services Station for interpretation of TFR data.

GoDirect Flight Bag Pro Record of Revisions

REVISION	DATE	CHANGE SUMMARY
0	May 2017	Initial release of the User Guide
1	Aug 2017	<p>Updated for release v1.1</p> <ul style="list-style-type: none"> • FLIGHT PLANNING, FILING & GOFLY <ul style="list-style-type: none"> o Option to change the filing time of a flight plan after submitting a filing to the FAA (Note: Changing or updating international flight plan filings requires a call to GoDirect Flight Operations). o Added support for Dual XGPS 160 Bluetooth GPS receiver. o Great Circle Distance and Magnetic Course are now displayed on Flight Planning tray after a Departure and Destination ICAO have been entered. • TRIP KITS <ul style="list-style-type: none"> o Option to share Trip Kit documents with or without annotations. o Flight Plan Recall Number included in the email subject line when sharing a Trip Kit. o Ocean Tracks PDF document(s) included in the Trip Kits. • AIRPORTS <ul style="list-style-type: none"> o Easily rotate a departure/approach procedure or SID/STAR PDF chart. • GENERAL UPDATES <ul style="list-style-type: none"> o Quickly & easily submit feedback by simply shaking your device to take a screenshot, add notes to the image, and email the image/feedback directly to us. o Addressed an issue in which some users were unable to download RA/W&B Profiles. o Optimized download time for navigation databases.

REVISION	DATE	CHANGE SUMMARY
2	Oct 2017	<p>Updated for release v1.2</p> <ul style="list-style-type: none"> • FLIGHT PLANNING, FILING & GOFLY <ul style="list-style-type: none"> ◦ CDR codes now appear at the beginning of route strings when comparing routes. ◦ If an Aircraft Profile has "Route Weather Brief" enabled (via the GoDirect Flight Planning website only), the route weather will be included in the Flight Plan PDF document in a Trip Kit. ◦ Improved alerting when entering ETOPs values. ◦ Added the ability to remove Airports, NAVAIDs, and Waypoint icons from the map after they have been added. ◦ Added ability to include "IFPSRA" comments in ATC Remarks field in Filing Form for Eurocontrol. • TRIP KITS <ul style="list-style-type: none"> ◦ Recall Number is now displayed for each trip in the Trip Kits side menu list. ◦ Airport Diagram, Airport Facilities Directory (A/FD), and NOTAMs can now be included in a Trip Kit for Departure and/or Destination Airports. • AIRPORTS <ul style="list-style-type: none"> ◦ Improved alerting when creating & submitting new Fuel Uplift requests. ◦ Added "Pilot Discretion" toggle to new Fuel Uplift Request form, which submits the request to the fuel provider to top off the fuel. • GENERAL UPDATES <ul style="list-style-type: none"> ◦ Implemented some performance enhancements and addressed several bugs reported by users.
3	Nov 2017	<p>Updated for release v1.3</p> <ul style="list-style-type: none"> • BUG FIXES

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1. Overview

We know what it takes to operate in business aviation because our team has planned the flights, flown the routes, and ordered the catering – just like you! GoDirect Flight Bag Pro was designed with your day-to-day in mind because we're pilots too. Whether you're creating a quick flight plan, calculating your aircraft's performance, conducting runway analysis, or simply want to check the weather at your destination, Flight Bag Pro has you covered.

iPAD/iOS OPERATING TIPS

Flight Bag Pro is designed to work with any iPad device capable of running iOS 9.0 or later. If you are new to using an iPad, Apple has created an excellent user guide (help.apple.com/ipad/10) to help you become familiar with your new device.

Data Connectivity (Wi-Fi, Wi-Fi+3G/4G)

Many Flight Bag Pro features, including flight planning, weather, and weight and balance, require a connection to the Internet. For Internet access away from a home, an office, or an aircraft Wi-Fi network, a cellular data connection is required. The iPad user guide (help.apple.com/ipad/10/#/iPad2db29c3a) provides instructions for connecting to the Internet, either through Wi-Fi or a cellular network.

Datalink

Many GoDirect services, including FMS (Flight Management System) flight plan uplinks, D-ATIS (Digital Automatic Terminal Information Service), and pre-departure clearances, are delivered to the aircraft via Datalink. Datalink is a VHF (very high frequency) and satellite-based service that transmits information to and from the aircraft, even while the aircraft is airborne or operating in remote areas. You can learn more about GoDirect Datalink Communications on the GoDirect Flight Services website (aerospace.honeywell.com/en/services/aerospace-services/godirect-datalink).

GPS Location Tracking

Some Flight Bag Pro features require a GPS (Global Positioning System) position. To avoid lost or degraded GPS signals, Flight Bag Pro supports both XGPS 150A and XGPS 160 external GPS devices via Bluetooth (gps.dualav.com/explore-by-product/xgps150a/ and gps.dualav.com/explore-by-product/xgps160/).

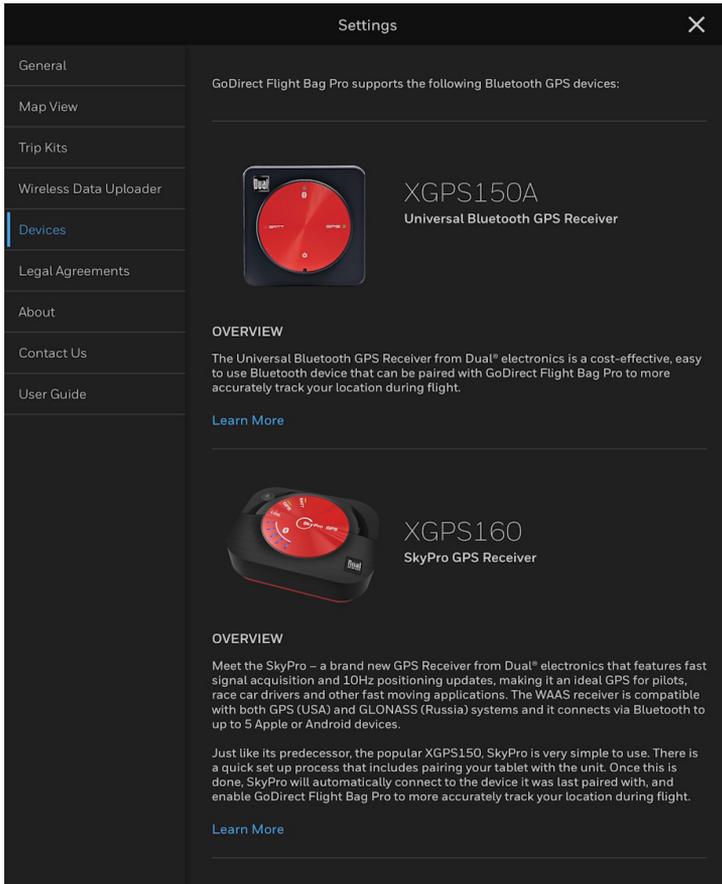


Figure 1-1: GPS Device Settings

To pair a supported third-party Bluetooth device with Flight Bag Pro, follow the instructions provided by the manufacturer. See [Pairing a Third-Party GPS Device in Section 9, Settings](#), for more information.

Device and Display Settings

CHANGING SLEEP MODE SETTINGS

Your iPad is configured to enter Sleep Mode when inactive. Waking the iPad from Sleep Mode may require you to enter a password or PIN (personal identification number). Because this can get in the way of critical aircraft operations, many companies and flight departments have directed their pilots to disable or adjust their Sleep Mode settings. To change the Sleep Mode settings:

1. Tap the  (Tools Menu) button.
2. Tap the  (Settings) button.
3. Tap the  (General) tab.
4. Slide the  (Allow Device Sleep) toggle switch to make it gray (off) or blue (on).



NOTE: Sleep settings on some iPads cannot be changed due to restrictions enforced by other apps or mobile device management settings.

Remember to manually turn off your iPad when not in use if Sleep Mode has been disabled to avoid draining its battery.

LOCKING THE DISPLAY ORIENTATION

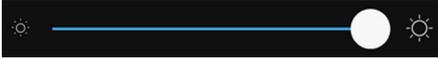
The iPad can be locked in Portrait (vertical) or Landscape (horizontal) mode so that the app displays correctly and does not auto-rotate when mounted in the aircraft. To lock the orientation:

1. Mount or hold the iPad in the desired orientation.

1. Tap the  (Tools Menu) button.
2. Tap the  (Settings) button.
3. Tap the  (General) tab.

- Slide the  (**Screen Orientation Lock**) toggle switch to make it gray (off) or blue (on).

ADJUSTING DISPLAY BRIGHTNESS

- Tap the  (**Tools Menu**) button.
- Tap the  (**Settings**) button.
- Tap the  (**General**) tab.
- Under **Brightness**, slide the  (**Brightness**) slider to change the display brightness.



NOTE: These Brightness controls are in ADDITION to the brightness controls of the device. Set your device brightness at 50% before adjusting the Flight Bag Pro brightness settings.

TOUCHSCREEN GESTURES

Moving a finger or multiple fingers across your iPad's screen in different ways allows you to interact with Flight Bag Pro. These "gestures" are described below.



Pinch and Zoom

Touching the screen with your thumb and index finger at the same time, then squeezing or spreading them, zooms in and out on maps and PDF (Portable Document Format) files.



Long Press

Touching and holding down on a point on the map creates a new waypoint. A long press can also be used to delete items from Trip Kits or to view notes.



Swipe to Hide or Delete

You may swipe left on a Flight Plan tile on the Flight Schedule to "hide" the flight plan and declutter the list.

In addition, you may swipe left on items in a Trip Kit, or swipe a Trip Kit from the list in the Trip Kit side menu, or swipe downloaded items to delete the item.

CUSTOMER SUPPORT

For product support or to request the latest revision to a publication, contact the local Honeywell customer support.

An electronic version of this publication is available at www.flightservices.honeywell.com for subscribers.

Use the following contact numbers:

- US Toll Free: (888) 634-3330
- International: +1 (602) 365-7020
- Fax: +1 (602) 365-1871

Or via email at:

- FlightServices@Honeywell.com

Global Customer Care (GCC)

For all aerospace inquiries including:

- Technical assistance
- Aircraft-on-ground (AOG)
- Sales: new and exchange
- Repair and overhaul
- Supply chain optimization
- Rentals
- Return material authorization (RMA).

Use the following GCC contact numbers:

- Fax: 1-602-822-7272
- Phone: 1-800-601-3099 (U.S.A./Canada)
- Phone: 1-602-365-3099 (International)

Aerospace Technical Support (ATS)

For direct technical support for:

- Avionics
- Mechanical.

Use the following ATS contact numbers:

- Phone: 1-855-808-6500 (U.S.A./Canada)
- Phone: 1-602-365-6500 (International)

Choose Option 1 for avionics or Option 2 for mechanical.

Or send email to:

- AeroTechSupport@honeywell.com

Flight Technical Services (FTS)

For direct technical support, additional information, or operational questions, contact FTS by:

- Email: FTS@honeywell.com
- Website: <http://pilots.honeywell.com>

To contact FTS, log in and select **Contact Us** in the bottom-right corner of the URL page.

Online Access for Technical Publications

Honeywell has moved to an online access model for technical publications. This change was made to eliminate the cost of printing and shipping paper publications and to be a better environmental steward. The option to download and order print copies through the Honeywell MyAerospace portal at myaerospace.honeywell.com is still available. Alerts can be set up so that, if there is a change to a publication, customers can receive email notifications of changes. The user can add a manual to a Watch List, using the **Receive Email Updates** link or the **My Email Notifications** link on the left navigation bar at the bottom of the Search Publications page. Customers can still continue to order copies of publications but the option to sign up to receive ongoing updates by the way of paper will no longer be an option. If there is a change, revision, or new release, request the publication at that time through the Honeywell MyAerospace portal at myaerospace.honeywell.com. For questions or concerns, contact the Technical Publications Order Management team at pubs@Honeywell.com.

Honeywell Aerospace Technical Publications

Go to the Honeywell Online Technical Publications website at myaerospace.honeywell.com to:

- Download or see publications online
- Make an order for a publication
- Tell Honeywell of a possible data error (report a discrepancy) in a publication.

If you do not have access to the Honeywell Online Technical Publications website and need technical publications information:

- Send an email message to:
cas-publications-distribution@honeywell.com
- Send a fax or speak to a person at the GCC contact numbers.

GODIRECT

The demand for integrated services in avionics has never been greater. Operators want to improve safety, increase efficiency, and cut operating costs. Pilots want better tools that provide real-time information so they can focus on flying; flight departments want to anticipate and fix problems to avoid grounding aircraft; and passengers want a safe, comfortable flight with dependable, easy-to-use Wi-Fi like they get in their offices and homes.

A One-Stop Platform

Honeywell GoDirect is a one-stop platform that meets all of these needs. GoDirect gives pilots, operators, and flight departments direct access to the Honeywell services they need most: flight planning, software updates, maintenance services, and equipment protection plans, as well as a full suite of connected services.

And with the GoDirect web portal, users can quickly access popular Honeywell Aerospace services with just a single login. In addition to viewing current subscription services, users can access other offerings to help improve safety, performance, and cost-efficiency, including:

- Cabin connectivity
- Flight services
- Maintenance and service plans
- Apps

Cabin Connectivity

Honeywell now offers a comprehensive suite of satellite communication services and solutions to deliver unparalleled connectivity and functionality. GoDirect Cabin Connectivity provides flexible, reliable cabin communications, including access to more than a dozen GoDirect apps and services, real-time TV, TV on demand, high-speed broadband Internet, video conferencing, email, and VoIP (Voice Over Internet Protocol).

From GoDirect Routing Software, GoDirect Access, and everything in between, GoDirect Cabin Connectivity provides the most up-to-date information to meet the needs of passengers while allowing operators and flight crews to be more productive.

GoDirect cabin connectivity services include:

- **GoDirect Cabin Routing** – Lets pilots configure their onboard satellite communication systems for optimum performance, automatically choosing the right band and service
- **GoDirect Satcom Toolkit** – Enables techs to easily download, view, and email troubleshooting and configuration data.
- **GoDirect Satcom Network** – Makes it easy to quickly check the onboard Wi-Fi network status and find ways to restore connectivity

WORLDWIDE CONNECTIVITY SOLUTIONS

For General Aviation, BendixKing's Aerowave 100 is an affordable high-speed in-flight Internet solution that offers worldwide connectivity to twin, turboprop, and light jet aircraft.

JETWAVE HARDWARE

Honeywell's JetWave is an exclusive connectivity hardware that enables users to connect to Jet ConneX, Inmarsat's Global Xpress constellation of Ka-band satellites. JetWave satellite communications hardware includes antennas, routers, and other equipment to provide uninterrupted and consistent service to JetWave-equipped aircraft.

Flight Services

GoDirect Flight Services includes global flight planning, integrated flight support, two-way data communications, and other services to keep pilots on the right route to avoid traffic, weather hazards, and delays.

FLIGHT SENTINEL

GoDirect Flight Sentinel enables an on-ground dispatch team to act as an extension of the flight crew. By monitoring airport volume, current ATC initiatives, weather, and required routing, the Flight Sentinel helps to minimize delays and reduce crew workload. The Flight Sentinel Team actively monitors all phases of flight, providing updates on hazardous weather and other conditions that could have an impact, providing proactive communications to keep the crew informed.

FLIGHT PLANNING

Professional flight data specialists are available 24/7 to assist in preparing the most efficient flight plan for any destination worldwide. Specialists are experienced aviation professionals, including a mix of FAA-certified aircraft dispatchers, weather planners, and commercial pilots. Flight planning with GoDirect is fast, accurate, and intuitive. Convenient access to worldwide flight planning is available by phone, the web, mobile devices, and through datalink communications. GoDirect Flight Planning utilizes OEM aircraft performance data combined with the most current atmospheric forecasts to yield precise fuel burn and time calculations on every flight plan.

WEATHER

Accurately monitoring global weather conditions is key to maximizing operational efficiencies and passenger comfort. Honeywell's GoDirect Flight Services provides a wide range of worldwide aviation and passenger weather products to supplement its comprehensive flight planning services.

While airborne, flight crews are able to access a variety of critical weather, wind, and D-ATIS products from virtually anywhere in the world for immediate flight deck display.

DATALINK

For more than 30 years, Honeywell's Flight Services has provided VHF and satellite datalink communications to datalink-equipped aircraft worldwide. Honeywell's robust two-way Aircraft Communications Addressing and Reporting System (ACARS) is compatible with all major VHF and satellite networks across the globe. With enterprise-level connections to communications networks worldwide, GoDirect personnel can relay messages anywhere.

INTERNATIONAL TRIP SUPPORT

With GoDirect apps, pilots have everything they need to navigate the globe. International Trip Support enables users to order fuel, price handling services, submit trips, and review the status of their arranged services.

Annual premium subscribers enjoy numerous flight services at no additional charge, including: flight plans and flight plan filings, worldwide text and graphical weather, trip package deliveries, eAPIS (Electronic Advance Passenger Information System), runway analysis, and weight and balance calculations.

Maintenance and Service Plans

Honeywell's maintenance plans deliver a cost-efficient means to maintain assets optimally and ensure high dispatch availability. Services are available for many Honeywell products, including mechanical, avionics, and environmental control systems.

EXTEND THE VALUE WITH REPAIR AND REPLACEMENT PROGRAMS

Repair and replacement programs protect customers from unexpected costs and unscheduled downtime. They include the Honeywell Avionics Protection Program, the Maintenance Service Plan for engines and auxiliary power units, and the Mechanical Protection Plan for environmental control and cabin pressurization systems.

Apps

GoDirect Apps make each flight more efficient and help to reduce costs by providing flight crews with a variety of options so that aircraft spend less time on the ground and more time in the air.

COCKPIT APPS



GoDirect Flight Bag Pro

With the GoDirect Flight Bag Pro app, users can create and file flight plans, download trip kits, and access up-to-the minute weather updates and snapshot views from their iPads.



GoDirect Weather Information Service

The GoDirect Weather Information Service app uses an easy-to-read map to provide flight crews with the most accurate weather information available in flight so they can avoid severe weather and improve safety and passenger comfort.



GoDirect Flight Preview

The innovative GoDirect Flight Preview app gives flight crews an exact picture of the runway environment on their iPad, long before they begin their approach. The app uses FAA data to render a flight path including waypoint sequencing and vertical and lateral profiling in three dimensions, so pilots know exactly what to expect.



Pilot Gateway

The Honeywell Pilot Gateway provides free, instant access to dedicated resources for pilots of corporate aircraft outfitted with Honeywell products and services.



Direct Access

The Direct Access app lets users take their Honeywell Business & General Aviation customer support network with them wherever they go.

CABIN APPS



GoDirect Satcom Toolkit

Honeywell's GoDirect satellite communications toolkit application makes it much easier for aircraft maintenance technicians to troubleshoot and service the Honeywell satellite communications and router hardware on their aircraft.



GoDirect Satcom Network

Honeywell's GoDirect Satcom Network app allows flight crews and passengers on business aviation aircraft to diagnose and troubleshoot in-flight Wi-Fi connectivity.



GoDirect Voice

Honeywell's GoDirect Voice is an easy-to-use application that enables voice calls for passengers who need to stay connected while in-flight.

MAINTENANCE APPS



MyMaintainer

The MyMaintainer app helps maintenance teams reduce costs and improve troubleshooting time, enabling faster return to service.



Honeywell Sky Connect FDM

Honeywell's Sky Connect Flight Data Monitoring app allows technicians and safety/quality assurance personnel to easily configure and monitor their aircraft tracking, alerting, and recording systems for helicopter air ambulance (HAA) compliance.

2. Getting Started

ACCOUNT SETUP

Whether you're a new GoDirect subscriber or an existing customer experiencing changes to your fleet or aircraft equipment, you'll want to set up your account so that flights are planned, filed, and managed correctly. Many GoDirect subscribers prefer to do this over the phone or through email with a Flight Data Specialist.

- US Toll Free: (888) 634-3300
- International: +1 (602) 365-7020
- Email: FlightServices@Honeywell.com

Accounts can also be set up and managed on the GoDirect Flight Services website (www.flightservices.honeywell.com). After logging in, go to the **My Profile** tab to access the aircraft, crew and passenger, and owner/operator settings.

GoDirect Flight Services Subscription

A GoDirect Flight Services subscription is required to use Flight Bag Pro. To learn more about subscription benefits and options, click on the **How to Subscribe** button at the bottom of the Flight Bag Pro Sign In page (www.flightservices.honeywell.com), or contact Account Services.

- US Toll Free: (888) 634-3300
- International: +1 (602) 365-7020
- Email: FlightServices@Honeywell.com

Creating a Honeywell ID

If you do not have a Honeywell ID, go to the MyAerospace website (myaerospace2.honeywell.com/wps/portal/CreateHonId) and complete the registration form.

Flight Bag Pro Sign In

After launching the app for the first time, enter your Honeywell ID and Password on the Flight Bag Pro Sign In screen. Your credentials are saved, so you don't need to enter them each time you open the app.

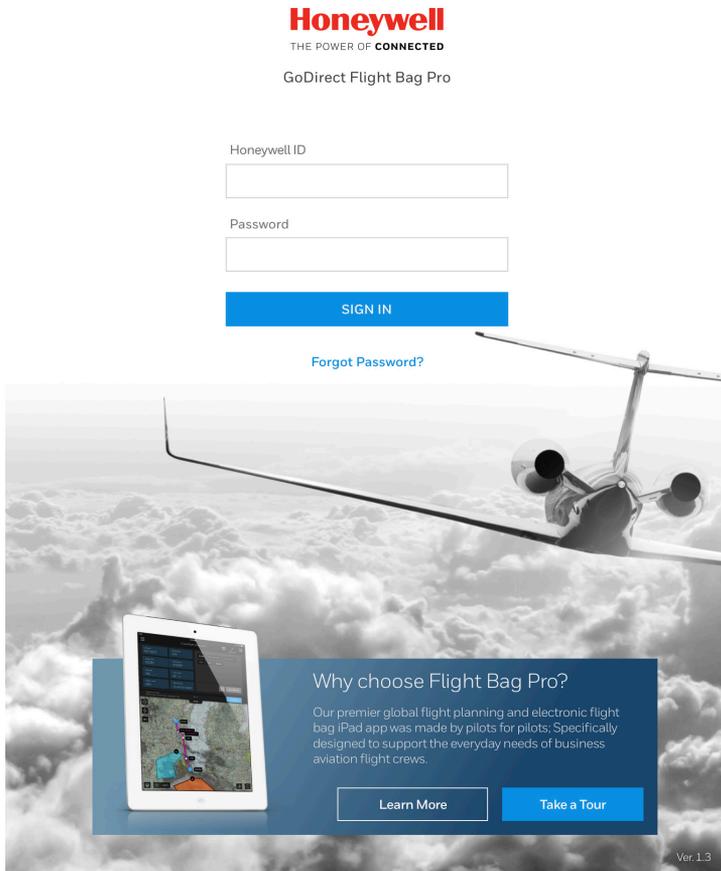


Figure 2-1: Sign In Screen

Forgotten Honeywell ID or Password

Click on the [Forgot Password?](#) link underneath the **SIGN IN** button to change or reset a lost password.

USER INTERFACE AND NAVIGATION

Flight Bag Pro has a clean, simple user interface that makes it easy to navigate. Take a moment to learn more about core navigation elements.

Navigation Bar

The Navigation Bar spans the top of the screen. It contains the  (Tools Menu) button, page title,  (Flight Schedule) button, and  (Create Flight) button.

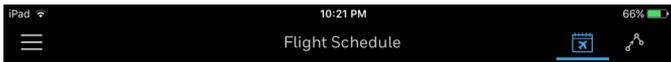


Figure 2-2: Navigation Bar

Tools Menu

Tapping on the  (Tools Menu) button expands the Tools Menu and allows you to access a variety of additional features within the app.

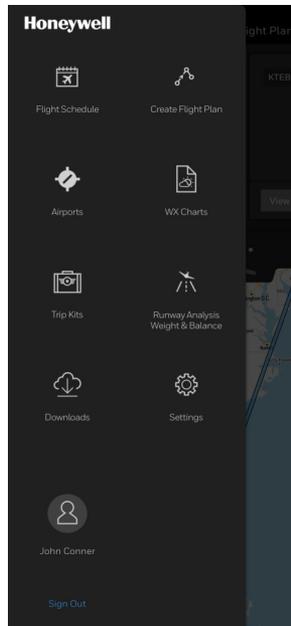


Figure 2-3: Tools Menu

FLIGHT SCHEDULE



Tapping the **(Flight Schedule)** button takes you to the default home screen where you can view all available flight plans.

CREATE FLIGHT PLAN



Tapping the **(Create Flight Plan)** button takes you to the Create Flight Plan screen where you can plan your next flight. See [Section 7, Creating a Flight Plan](#) to learn more.

AIRPORTS



Tapping on the **(Airports)** button lets you search for airports and view detailed information on runways, weather, NOTAMs (Notices to Airmen), radio frequencies, FBOs (Fixed-based operators), fuel, and more. See [Section 3, Airports](#), for more information.

WX CHARTS



Tapping on the **(WX Charts)** button gives you satellite, radar, significant weather (WX), winds and temperatures, icing, and other weather charts. All charts are provided by Weather Services International (WSI). See [Section 4, Weather \(WX\) Charts](#), to learn more.

TRIP KITS



Tapping on the **(Trip Kits)** button opens the Trip Kits screen, where you can view all previously downloaded Trip Kits associated with your flight plans. See [Trip Kits in Section 7, Creating a Flight Plan](#), for more information.

RUNWAY ANALYSIS/WEIGHT & BALANCE



Tapping on the **(Runway Analysis/Weight & Balance)** button opens the APG (Aircraft Performance Group) tool, which allows you to quickly compute or view previously computed runway analysis and weight and balance reports without leaving Flight Bag Pro. See [Section 6, Runway Analysis/Weight & Balance](#), for more information.

DOWNLOADS

Tapping on the  (**Downloads**) button allows you to manage all airport, navigation, and performance data for Flight Bag Pro. It is important to ensure necessary downloads are up to date prior to using the app to plan flights, during flight operations, or while using the app offline. See [Section 8, Downloads](#), for more information.

SETTINGS

Tapping on the  (**Settings**) button accesses all Flight Bag Pro settings, Wireless Data Uploader file management, legal agreements, Honeywell contact information, and the User Guide. See [Section 9, Settings](#), for more information.

PERSONAL PROFILE

Tapping the  (**Personal Profile**) button provides access to view and edit your Personal Profile information.

User Interface Workflow

The Flight Bag Pro user interface makes it easy to flow from one task to the next. You can also quickly jump between tools to make last-minute changes and view critical performance, airport, procedure, and weather information in a hurry.

The app opens to the Flight Schedule screen. When returning to the app to file, change, or fly an existing flight plan, you can quickly find what you need on the bottom two-thirds of the page. To create

a new flight plan, simply tap the  **Create New Flight Plan** (Create New Flight Plan) button.

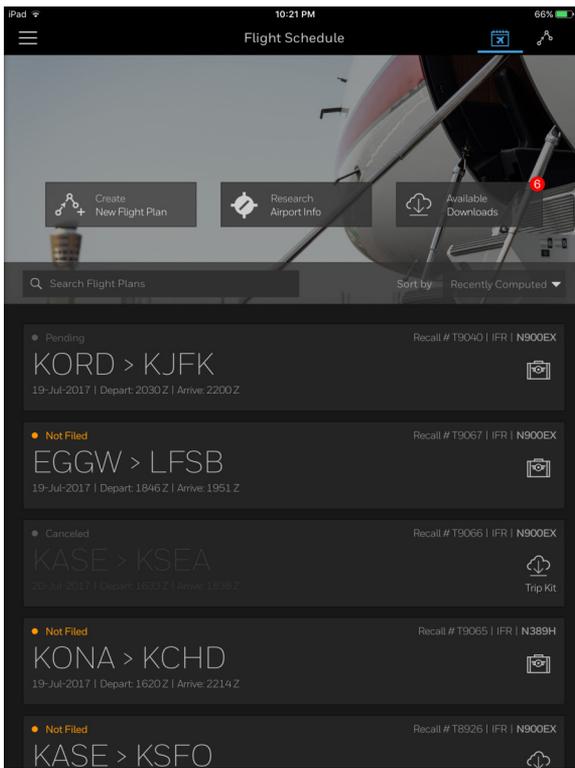


Figure 2-4: Create New Flight Plan Button

After creating a flight plan, you are guided to the Trip Kit, where you can add or remove additional documents necessary for your flight, file your flight plan, or share the Trip Kit with a colleague or friend. See [Trip Kits in Section 7, Creating a Flight Plan](#), for more information.

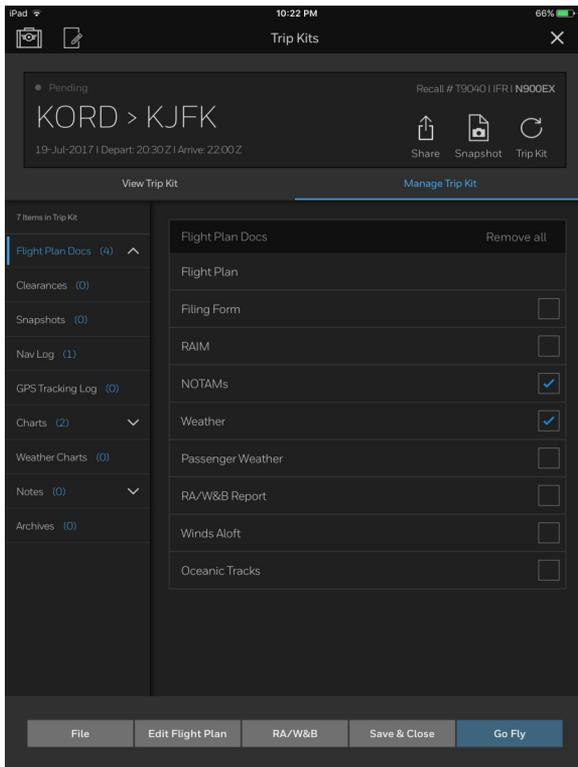


Figure 2-5: Trip Kits View

Finally, when it's time to fly, simply tap the **Go Fly** (Go Fly) button and your route will load, along with quick and easy access to reference key documents in your Trip Kit while flying.

At any time, you can quickly switch between your flight schedule or creating a flight plan using the **Navigation Bar** or by accessing the previously mentioned tools via the **Tools Menu** button.

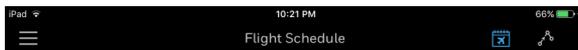


Figure 2-6: Navigation Bar

Enabling/Disabling Interface Hints

After you sign in to Flight Bag Pro, helpful hints are displayed the first time you access various screens within the app to help you get acclimated to the new user interface and recently added features.

You can disable and enable the hints by tapping the  (**Tools Menu**) button and tapping **Settings** ► **General**, then toggling the  (**Interface Hints**) toggle switch.

DOWNLOADS

The Downloads view can be accessed by tapping the  (**Tools Menu**) button. It manages all airport, navigation, and performance data for Flight Bag Pro. It is important to ensure necessary downloads are up to date prior to using the app to plan flights, during flight operations, or while using the app offline. See [Section 8, Downloads](#), for more information.

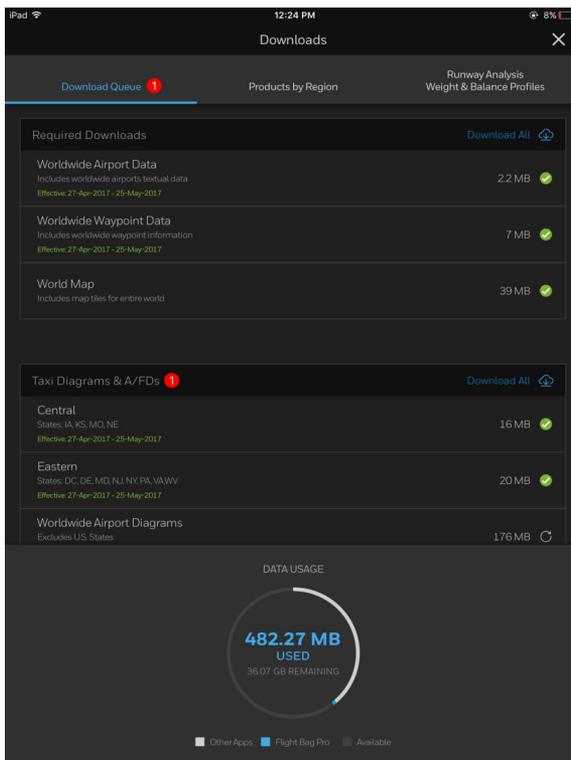


Figure 2-7: Downloads View

Required Downloads to Start Using the App

The Downloads view lets you select and save only the data you need based on your flight operations. See [Section 8, Downloads](#), for detailed information on files that must be downloaded prior to using the app.

PILOT AND AIRCRAFT INFORMATION

Pilot and aircraft profile information can be created, edited, and maintained by following a few easy steps. Flight Bag Pro uses this information to compute and file flight plans, as well as for other features.

Pilot Profile Management

Your Pilot Profile contains your personal contact information, type ratings, company contact information, and your “Personal Pass Phrase,” which you use when contacting GoDirect Flight Services Customer Support. Profile information updates within the app automatically sync with the GoDirect Flight Services website and vice versa.

To access Pilot Profile Management:

1. Tap the  (Tools Menu) button.
2. Tap the  (Personal Profile) button.

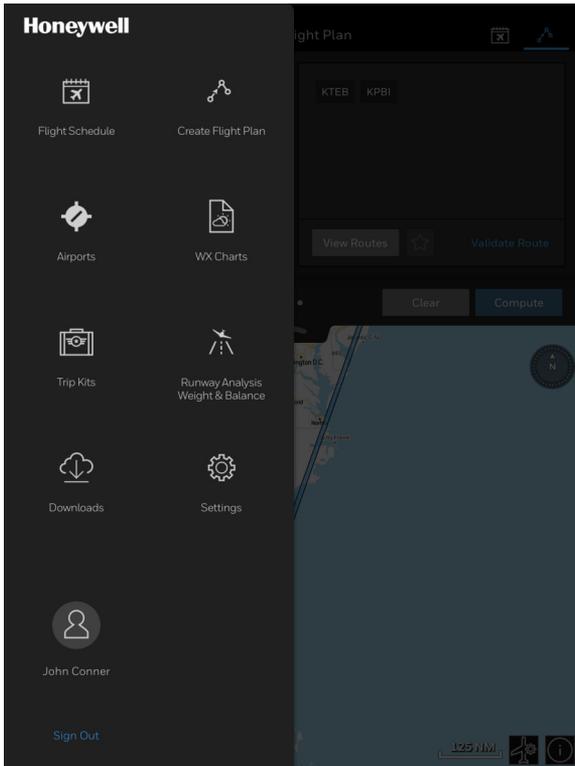


Figure 2-8: Selecting the Profile

3. Choose from **Personal Information**, **Address & Contact**, **Company Information**, or **My Account** to add or update information in your profile.

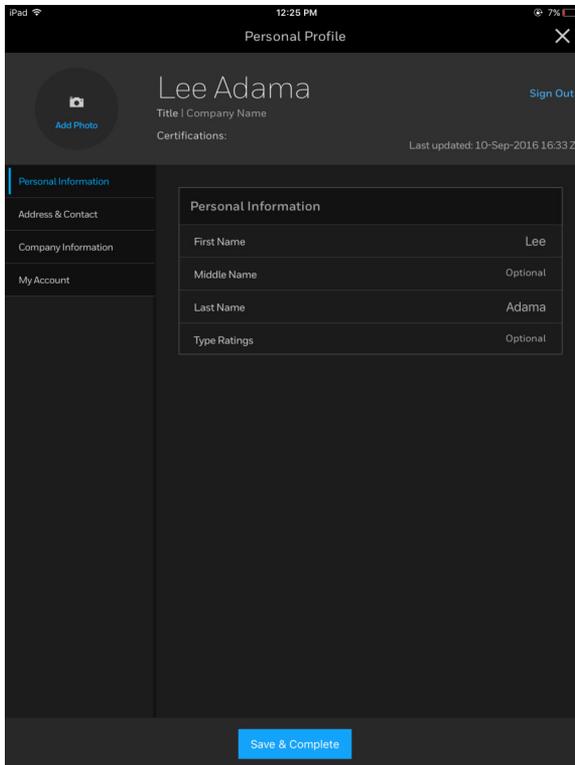


Figure 2-9: Updating Profile Information

4. Tap the **Save & Complete** (Save & Complete) button.

Aircraft Profile Setup and Management

To add or manage your aircraft profiles, visit the Honeywell GoDirect Flight Services website (www.flightservices.honeywell.com). From the site, you can update aircraft information, such as Climb/Cruise/Descent profiles, fuel biases, and more, which are synced to the GoDirect Flight Bag Pro app and used when creating flight plans and calculating performance.

FLIGHT SCHEDULE

The Flight Schedule displays a list of previously computed flight plans, allowing you to view a summary of details for each flight plan or get updated weather briefings, view a filing form, or activate the flight.

Viewing Planned Flights

Tapping on the  (**Flight Schedule**) button lets you view all previously computed flight plans.

SEARCHING FLIGHT PLANS

1. Tap the  (**Flight Schedule**) button.
2. Tap in the  (**Search Flight Plans**) box.
3. Search by the departure or arrival airport ICAO (International Civil Aviation Organization) code, flight plan recall number, or aircraft tail number to quickly find a flight plan.

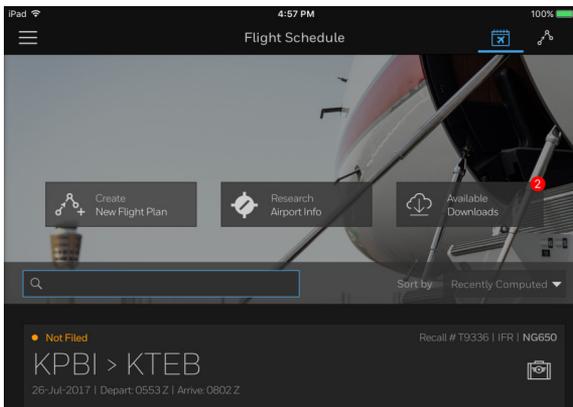


Figure 2-10: Ways to Search Flight Plans

SORTING FLIGHT PLANS

1. Tap the  (**Flight Schedule**) button.
2. Tap the  (**Sort by**) dropdown menu.
3. Tap the desired sorting method.

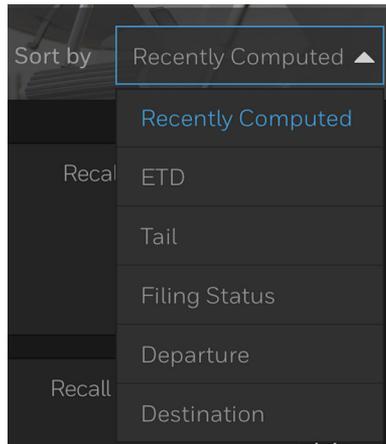


Figure 2-11: Sorting Methods

HIDING A FLIGHT PLAN

1. Tap the  (**Flight Schedule**) button.
2. Swipe the desired flight plan to the left.
3. Tap the  (**Hide Flight Plan**) button to hide the flight plan.

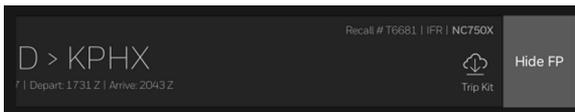


Figure 2-12: Hide Flight Plan Button

Flight Summary

Previously computed flight plans are displayed on the Flight Schedule as a list of tiles. Each flight plan tile contains a summary of the flight's details, including the departure and arrival airport, estimated time of departure, and estimated time of arrival. The summary also includes the flight plan recall number, type of flight plan (VFR (visual flight rules) or IFR (instrument flight rules)), aircraft tail number, and the ability to download or view the Trip Kit for the flight plan.

FILING STATUS

Each flight plan tile includes a color-coded flight plan to indicate the status:

 **Not Filed** The flight plan has been computed, but not filed with ATC (Air Traffic Control).

 **On File** The flight plan is on file with ATC.

 **Pending** The flight plan is in queue but has not been submitted to ATC.

 **Updated** The flight has been updated.

 **Canceled** The flight plan has been canceled and is no longer in the ATC computer system.

WX Briefing

You can get a quick weather briefing for any flight plan in your flight schedule. A simplified graphical depiction displays the current weather condition. Tapping the dropdown menus allows you to view traditional text weather observations and forecasts.



Figure 2-13: Flight Plan WX Briefing

SIMPLIFIED GRAPHICAL AND TEXT WEATHER INFORMATION

1. Tap the  (**Flight Schedule**) button.
2. Tap a tile to select a flight plan.

The flight plan tile expands to display a weather briefing summary for the departure and arrival airports.

- 3. Tap the **METAR** (Weather) dropdown menu to select different weather-related information or NOTAMs for the departure and arrival airports.

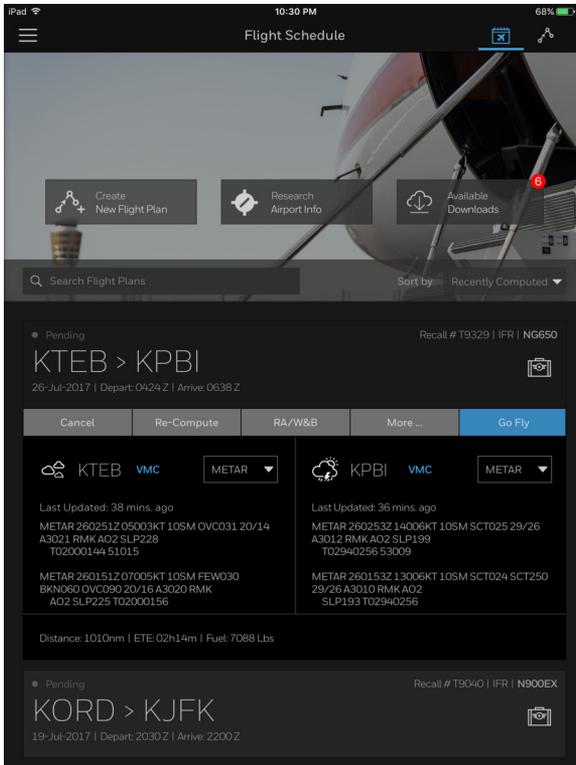


Figure 2-14: Weather Briefing Options

RE-COMPUTE

Tapping the **Re-Compute** button from the flight schedule page, enables you to quickly update a previously created flight plan with current winds and temperature.

THE MORE BUTTON

Tapping the More button enables you to use the previously filed data to create or edit flight plans from where you left off.

Editing a Flight Plan

1. Tap the  (Flight Schedule) button.
2. Tap a tile to select a flight plan.
3. Tap the **More...** (More) button.

The dropdown menu is displayed.

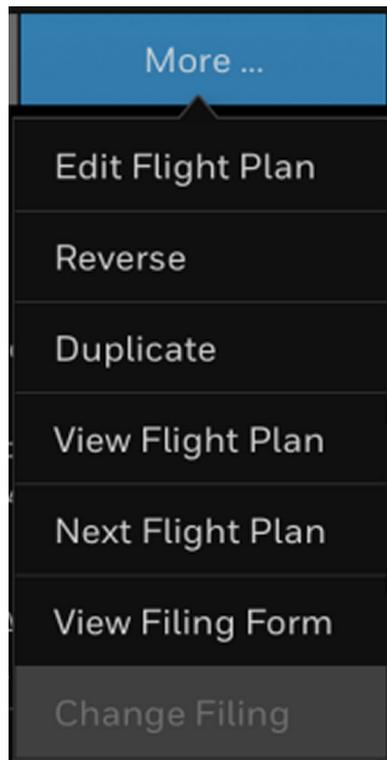


Figure 2-15: More Flight Planning Options

4. Tap the **Edit Flight Plan** (Edit Flight Plan) button.

Reversing a Flight Plan

1. Tap the  (Flight Schedule) button.
2. Tap a tile to select a flight plan.
3. Tap the **More...** (More) button.
4. Tap the **Reverse** (Reverse) button.

Duplicating a Flight Plan

1. Tap the  (Flight Schedule) button.
2. Tap a tile to select a flight plan.
3. Tap the **More...** (More) button.
4. Tap the **Duplicate** (Duplicate) button.

Viewing a Flight Plan

You can view, edit, or re-compute flight plans.

1. Tap the  (Flight Schedule) button.
2. Tap a tile to select a flight plan.
3. Tap the **More...** (More) button.
4. Tap the **View Flight Plan** (View Flight Plan) button.

Refer to [Editing a Flight Plan in Section 7](#), [Creating a Flight Plan](#), for more information about viewing, editing, or re-computing flight plans.

Creating Your Next Flight Plan

1. Tap the  (Flight Schedule) button.
2. Tap a tile to select a flight plan.
3. Tap the **More...** (More) button.
4. Tap the **Next Flight Plan** (Next Flight Plan) button.

Viewing a Filing Form

The Flight Plan summary also lets you view the ICAO Flight Plan form:

1. Tap the  (**Flight Schedule**) button.
2. Tap a tile to select a flight plan.
3. Tap the **More...** (**More**) button.
4. Tap the **View Filing Form** (**View Filing Form**) button.

Change Filing

1. Tap the  (Flight Schedule) button.
2. Tap a tile to select a flight plan.
3. Tap the **More...** (**More**) button.
4. Tap the **Change Filing** (**Change Filing**) button.

Go Fly – Activating a Flight Plan for Flight

For more information about flying a flight plan, refer to [Go Fly in Section 7, Creating a Flight Plan](#).

3. Airports

The Airports screen displays relevant, at-a-glance airport information, including elevation, latitude/longitude, meteorological conditions, runway length, and radio frequencies.

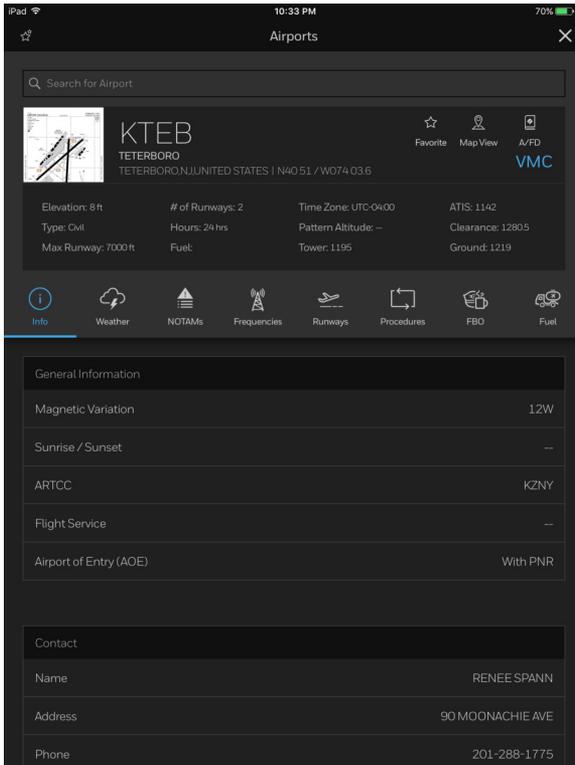


Figure 3-1: Airports Screen

ACCESSING AIRPORT INFORMATION

1. Tap the  (Tools Menu) button.
2. Tap the  (Airports) button.



NOTE: You can also access airport info by tapping on the  (Research Airport Info) button on the Flight Schedule screen.

When you view the Airports screen, Flight Bag Pro displays information for the nearest airport based on your current GPS location. Also, much of the information is stored in memory so that you can easily access it even when you're offline.

There are several options for you while viewing airport information, which are outlined below.

Searching for Airports

1. Tap the  (Tools Menu) button.
2. Tap the  (Airports) button.

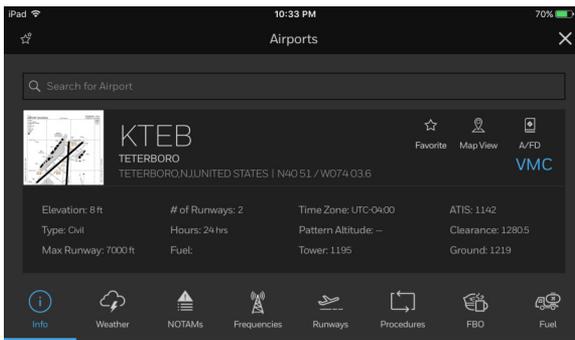


Figure 3-2: Search for Airport Field

3. Tap the  Search for Airport (Search for Airport) field.

A list of nearby airports, recent search results, and airports that you've stored as favorites is displayed. Simply select an airport from the list, or you can search for an airport by typing an ICAO code or airport name in the search field.

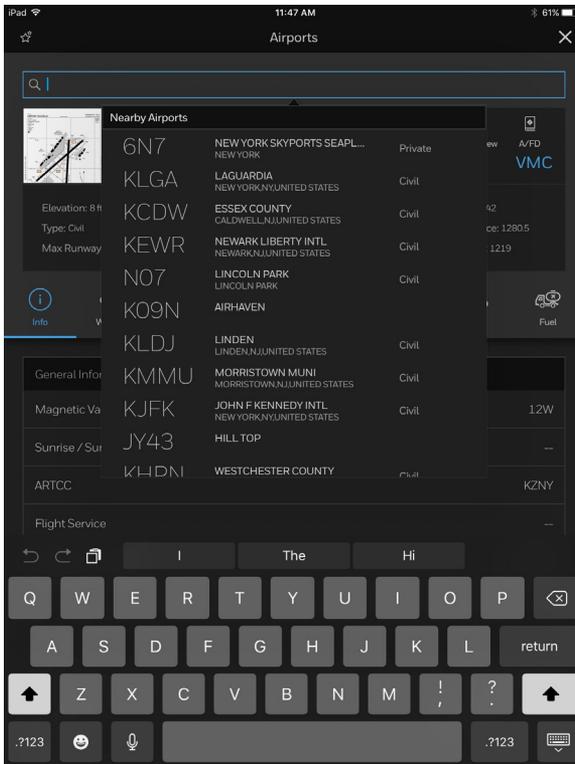
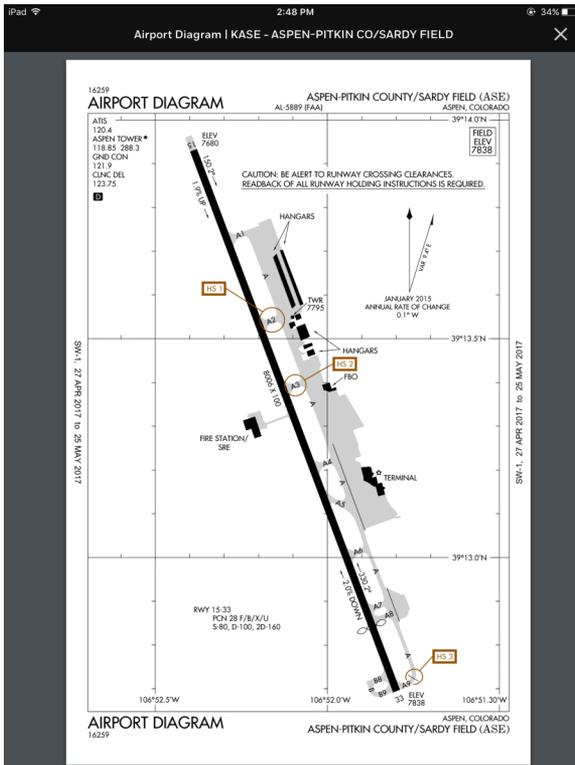


Figure 3-3: Nearby Airports

Airport Diagram

Once you've selected an airport, general information about the airport is displayed, including elevation, type, magnetic variance, and much more.

If available, a thumbnail of the airport diagram is also displayed. Tapping the thumbnail displays the airport diagram.



When weather information is available for an airport, a weather category indicator is displayed (**VMC** (visual meteorological conditions), **IMC** (instrument meteorological conditions), **MVMC** (marginal visual meteorological conditions), or **LIMC** (low instrument meteorological conditions)) using the international color standard.

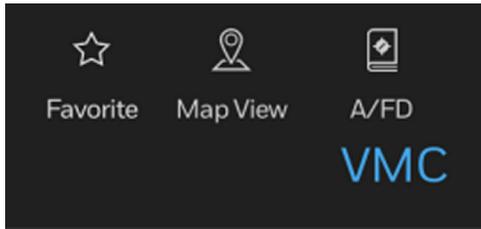


Figure 3-5: Weather Category Indicator



NOTE: When weather information is not available, the category indicator is not displayed.

Setting a Favorite Airport

1. Tap the  (**Tools Menu**) button.
2. Tap the  (**Airports**) button.
3. Search for the desired airport, or tap to select it from your list of Nearby Airports or Recents.
4. Tap the  (**Favorite**) button.

The color of the  (**Favorite**) button changes to blue and the current airport is saved to your list of favorites.

You can quickly access favorites by tapping on the  (**Favorites**) button in the upper-left corner of the Airports screen (the icon turns blue when the Favorites menu is opened).

Tapping on the  (**Favorites**) button again closes the Favorites menu. Tapping on the  (**Favorite**) button again “unfavorites” the airport and removes it from the list of favorite airports.



TIP: When you use Flight Bag Pro in Landscape orientation, the Favorites menu is always open for your convenience when viewing the Airports screen.

Viewing Airports/NAVAIDs/Waypoints in Map View

1. Tap the  (**Create Flight Plan**) button.
2. Tap and long press anywhere on the map to display the Airspace menu.

- 3. Select between Airports, NAVAIDs or Waypoints and tap the desired field.

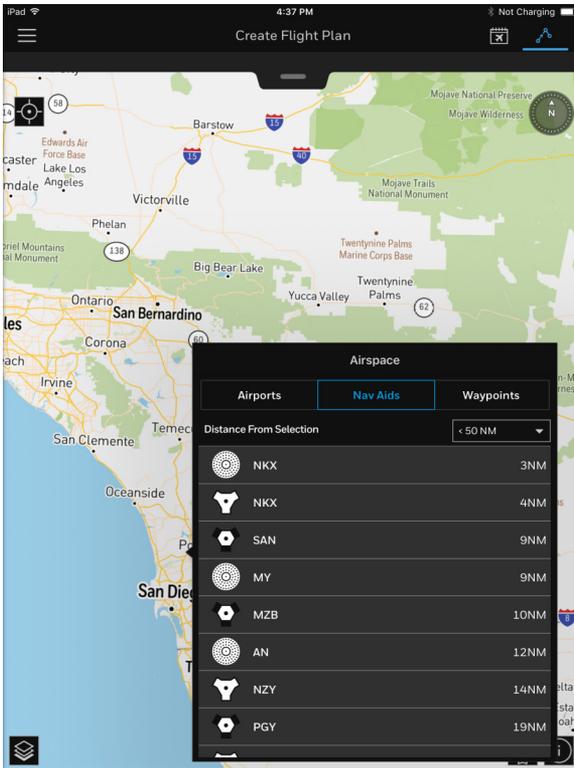


Figure 3-6: Airspace Menu

AIRPORTS

- Selecting an airport displays an  (**Airport**) icon on the map.
- Tapping the  (**Airport**) icon on the map displays the airport information menu.
- Tapping anywhere outside the Airport Information menu will close the menu.
- Tapping on the  (**Airport**) icon on the map displays the airport information menu again.
- Tapping on the **View Airport** (**View Airport**) button returns you to the Airport screen.
- Tapping on the **Remove from Map** (**Remove from Map**) button removes the airport icon from the map.

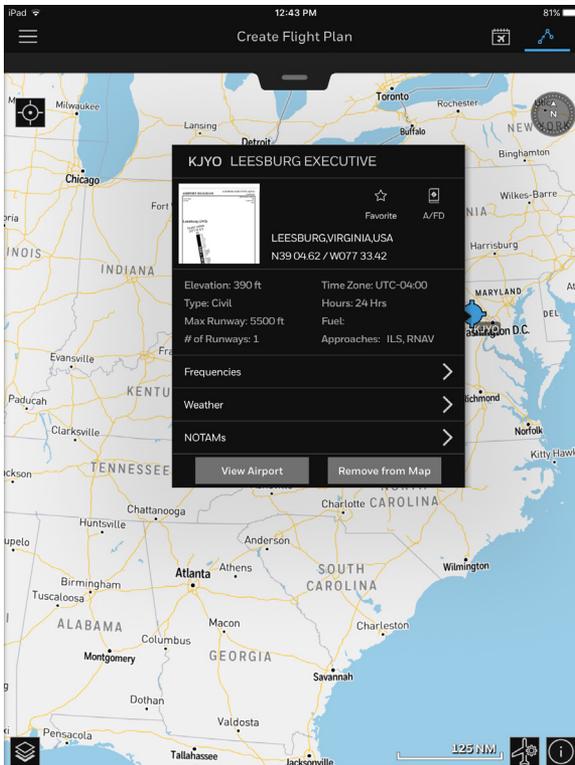


Figure 3-7: Airport Information Menu

NAVAIDs

- Selecting a NAVAID displays the desired radio navigation aid icon on the map (**VOR**, **VOR/DME**, **VORTAC**, **NDB** or **TACAN**).



- Tapping the  (**VORTAC**), as an example, displays the 3-letter identifier and the Latitude/Longitude information.

- Tapping anywhere outside the NAVAID Information menu will close the menu.



- Tapping on the  (**VORTAC**) icon on the map displays the NAVAID information menu again.

- Tapping on the **Remove from Map** (**Remove from Map**) button removes the NAVAID icon from the map.

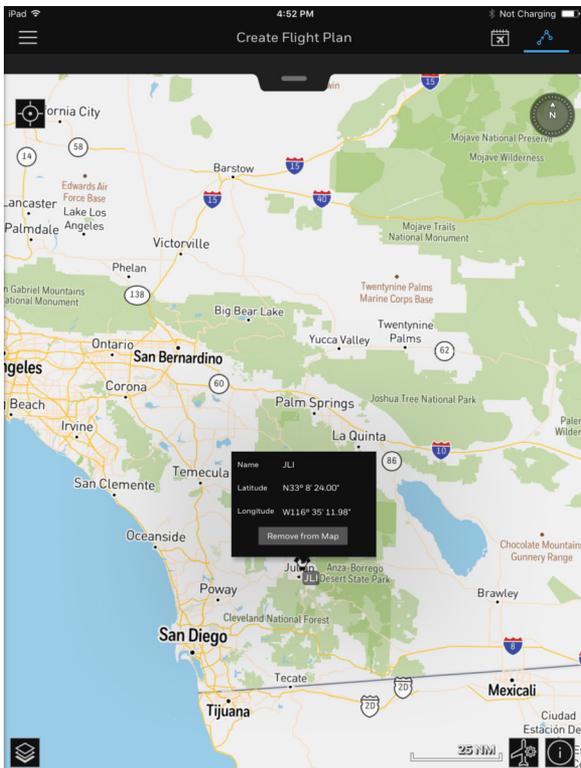


Figure 3-8: NAVAID Information Menu

WAYPOINTS

- Selecting Waypoints displays the desired waypoint icon on the map (**Waypoint/Intersection**).
- Tapping the  (**Waypoint**), as an example, displays the 5-letter identifier and the Latitude/Longitude information.
- Tapping anywhere outside the Waypoint information menu closes the menu.
- Tapping on the  (**Waypoint**) icon on the map displays the Waypoint information menu again.
- Tapping on the **Remove from Map** (**Remove from Map**) button removes the waypoint icon from the map.

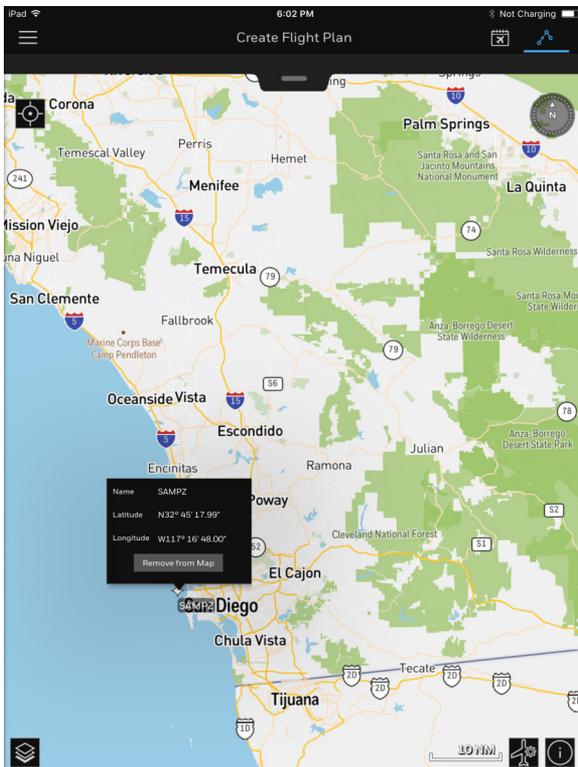


Figure 3-9: Waypoint Information Menu

DISPLAYING MAP OVERLAYS

You can also select map overlays, including charts and maps, weather, airspace, and oceanic tracks information.

1. Tap the  (**Tools Menu**) button.
2. Tap the  (**Airports**) button.
3. Tap the  (**Map View**) button.
4. Tap anywhere outside of the Airport Information view to close it.
5. Tap the  (**Overlays**) button in the bottom-left corner to see the available overlays.
6. Once the desired overlays are selected, tap anywhere outside of the Overlays screen to close it.

Radar is refreshed every six minutes. Other weather products are automatically refreshed based on their expiration time stamp.

Displaying the Airport/Facility Directory (A/FD)

1. Tap the  (Tools Menu) button.
2. Tap the  (Airports) button.
3. Tap the  (A/FD) button.

The Airport/Facility Directory screen is displayed, listing runways, services, radio information, and other A/FD-related information.

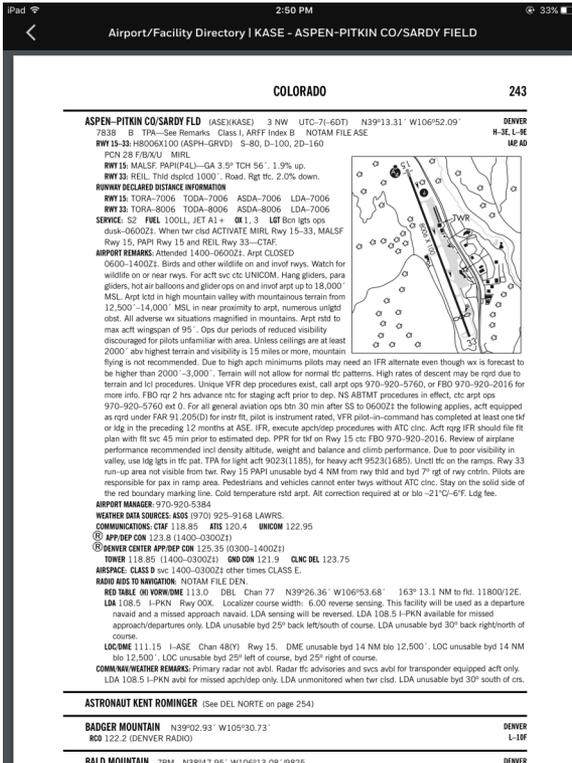


Figure 3-10: A/FD Information

4. Tap the  (Back) button in the upper-left corner to return to the Airport screen.

AIRPORT DETAILED INFORMATION

A sub-navigation menu is displayed in the middle of the Airports screen. Tapping any of these icons will display detailed information for the airport you are researching.



Figure 3-11: Airports Sub-Navigation

Info

Tapping on the  (**Info**) button brings up general airport information, such as ARTCC (air route traffic control center), Flight Service, and airport contact information.

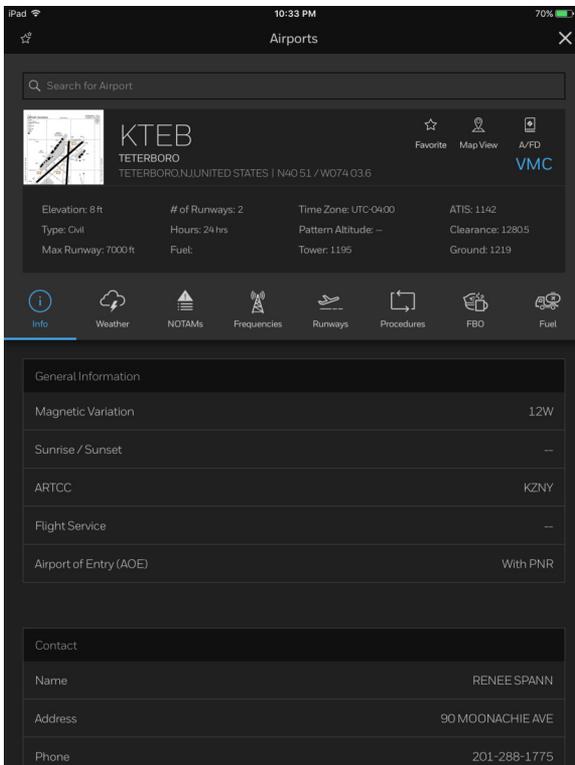


Figure 3-12: General Information

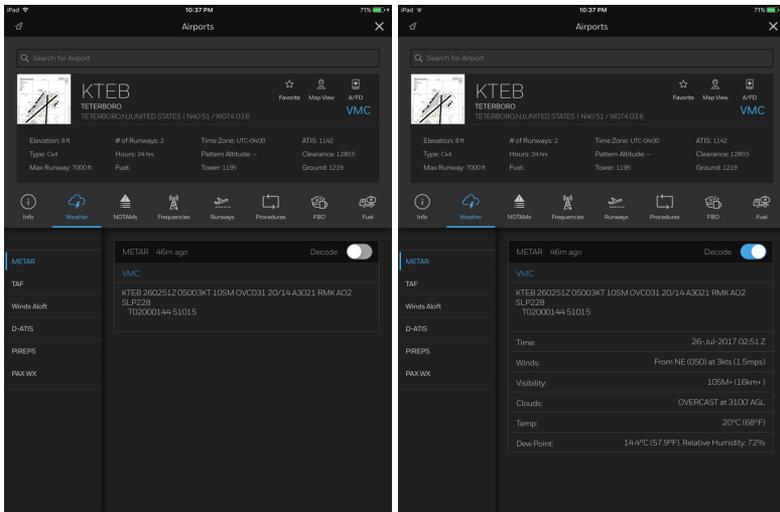
Weather



Tapping on the **(Weather)** button lets you dig deeper into the weather information. From here you can access decoded METARs (Meteorological Aviation Reports) and TAFs (Terminal Aerodrome Forecast), as well as wind information, D-ATIS, PIREPs (Pilot Reports), and PAX WX (passenger weather-briefing information).



Sliding the **(Decode)** toggle switch toggles between coded and decoded METAR or TAF weather reports.



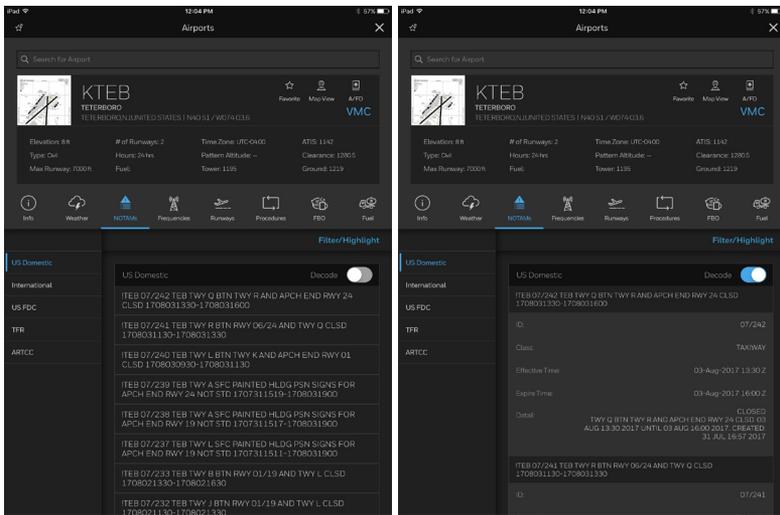
METAR

METAR (Decoded)

Figure 3-13: Weather

NOTAMs

Tapping on the  (**NOTAMs**) button displays US Domestic, International, US FDC (United States Flight Data Center), TFR (Terminal Flight Restriction), and ARTCC NOTAMs. Sliding the  (**Coded/Decoded NOTAMs**) toggle switch toggles between coded and decoded NOTAMs. You can easily filter or highlight information displayed in a NOTAM to quickly find the information that is most meaningful to you.



NOTAM

NOTAM (Decoded)

Figure 3-14: NOTAMs

NOTAMs can be filtered by type by tapping on the **Filter/Highlight** (Filter/Highlight) button, then selecting the desired items in the Filter section.

NOTAMs can be highlighted for easier identification by tapping on the **Filter/Highlight** (Filter/Highlight) button, then tapping the desired items in the Highlight section.

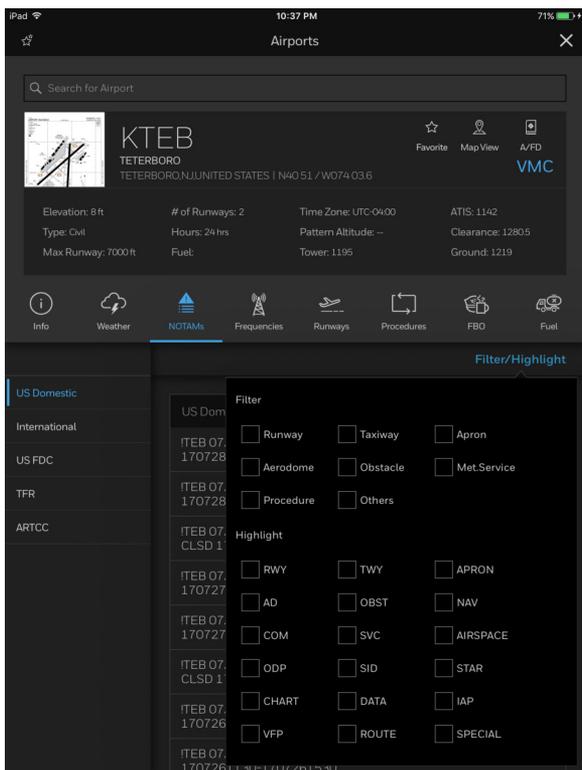


Figure 3-15: NOTAMs (Filtered by Type)

Frequencies

Tapping on the  (**Frequencies**) button displays ATC frequencies at the airport selected in the Airports screen.

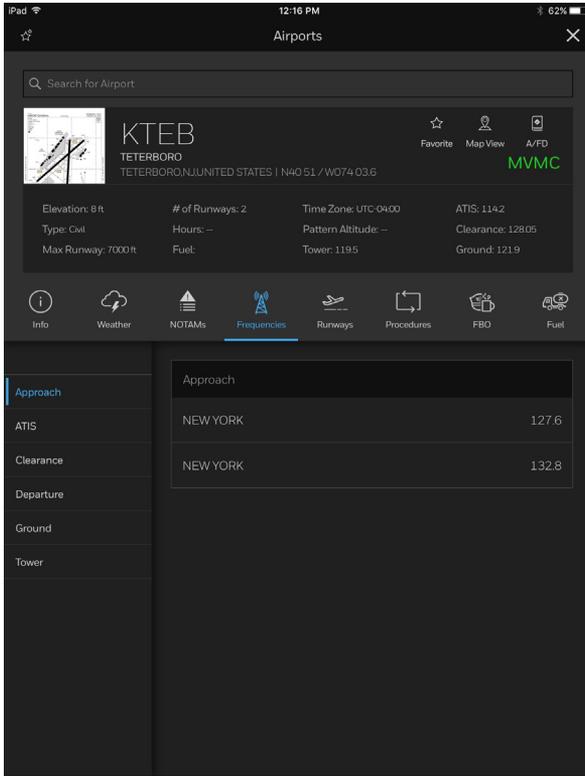


Figure 3-16: Frequencies

Runways



Tapping on the **Runways** button provides information about the selected airport's runways, such as heading, length, width, and elevation. You can also view a depiction of the runway direction.

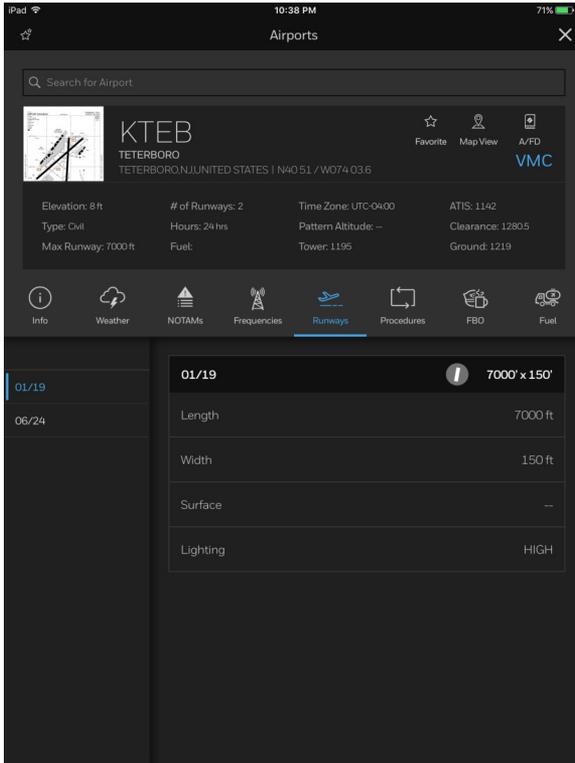


Figure 3-17: Runways (With Runway Direction Displayed)

Procedures

Tapping on the  (**Procedures**) button will display the airport diagram, along with lists of departure, arrival, or approach procedures. It also displays information on your saved charts, like the expiration dates. Green text indicates the charts are current, while amber text indicates the charts are expired.



NOTE: It is important to always ensure your procedures are current and up to date prior to flying.

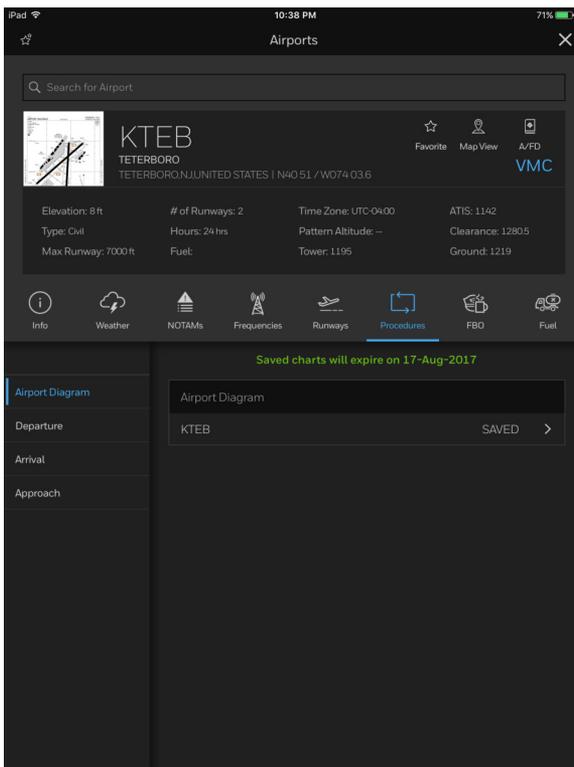


Figure 3-18: Procedures

Once a procedure document has been viewed and closed, it is now **SAVED** locally and will be “current” until the next AIRAC cycle.

FBO



Tapping on the **FBO** button displays an airport map showing locations and information about FBOs operating at the airport. You can then tap to select the desired FBOs for more information, such as fuel prices, hours of operation, and more, allowing you to make requests directly to suppliers.

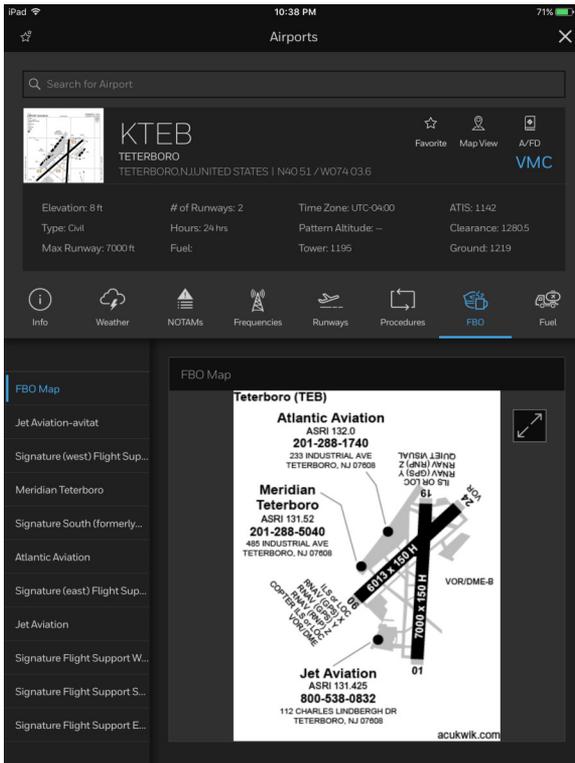


Figure 3-19: FBO Map

Tapping on the  (**Full Screen**) button displays the FBO map in full-screen.

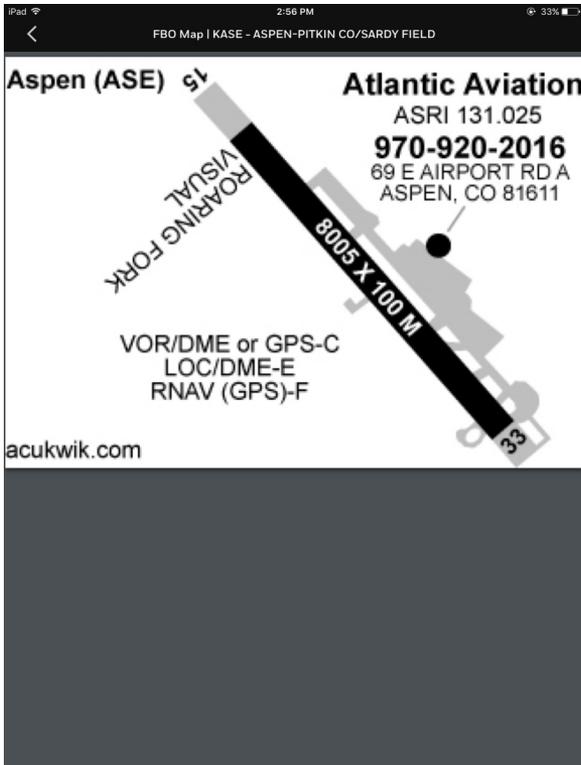


Figure 3-20: FBO Map (Full Screen)

Tapping on the  (**Left Arrow**) button exits the full-screen view of the FBO map.

Fuel



Tapping on the **Fuel** button displays the Fuel screen. The Fuel screen can be used to order fuel directly from the Flight Bag Pro app. Any current fuel orders can be viewed by tapping the **Fuel Uplifts** button.

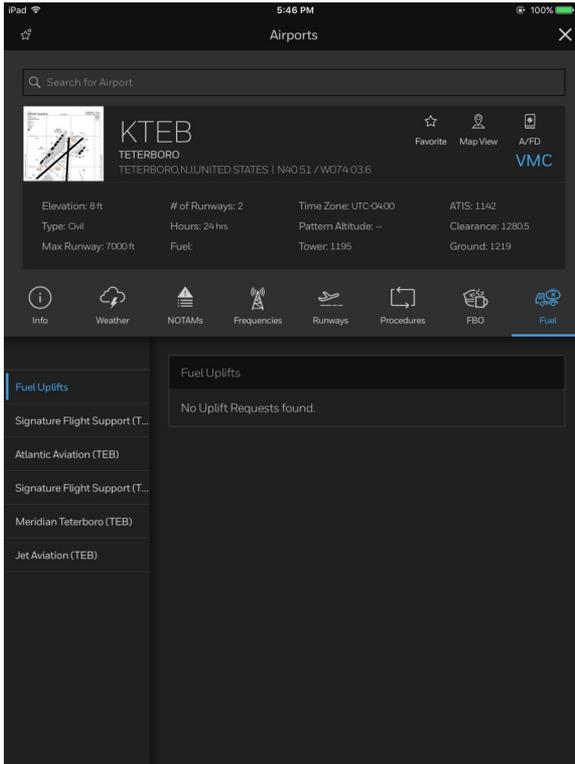


Figure 3-21: Fuel

AVAILABILITY AND PRICING

The menu on the left side of the screen displays the available fuel vendors for the selected airport. Tap on a fuel vendor to see fuel availability and pricing for the selected fuel vendor.

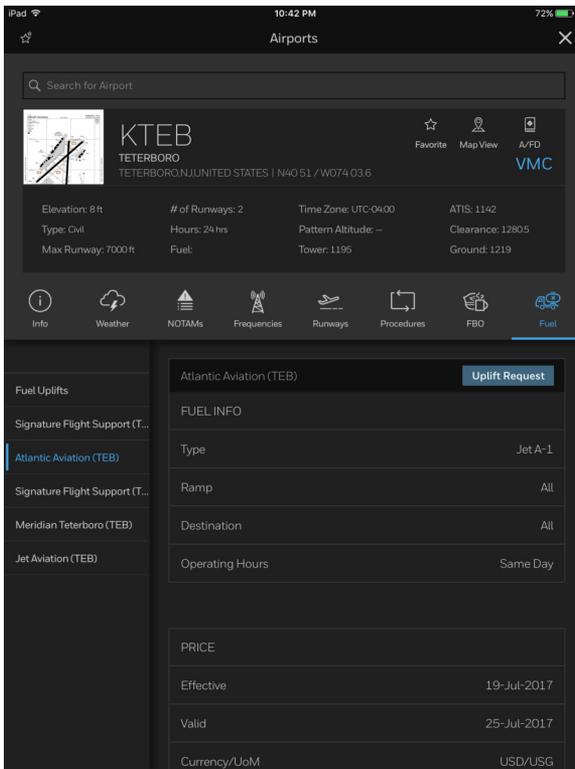


Figure 3-22: Fuel Availability and Pricing

PLACING A FUEL UPLIFT REQUEST

1. Tap the  (Tools Menu) button.
2. Tap the  (Airports) button.
3. Tap the  (Fuel) button.
A Fuel screen is displayed.
4. Tap to select the desired fuel vendor from the menu on the left.
5. Tap the **Uplift Request** (Uplift Request) button.
6. Fill out the form with the required information, then tap the **Submit Request** (Submit Request) button.

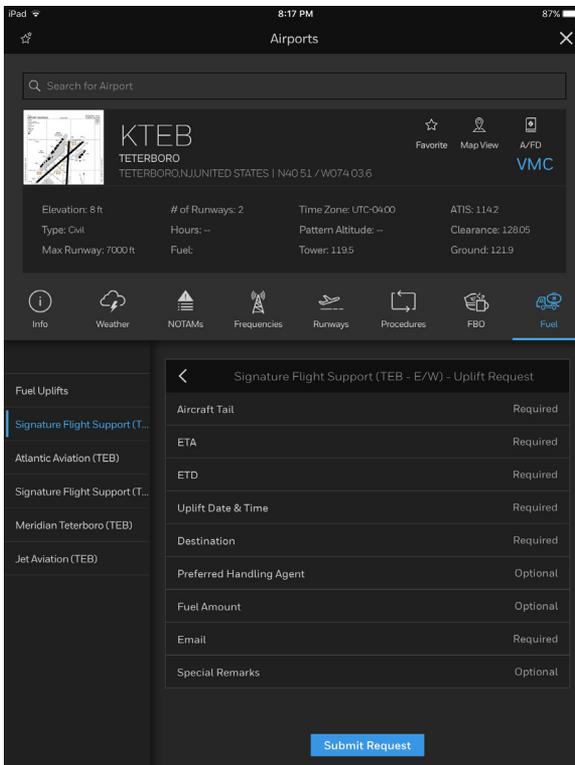


Figure 3-23: Fuel Uplift Request Form

CHECKING FUEL UPLIFT STATUS

After submitting a fuel uplift request, you can check the status at any time by tapping the  (Fuel) button and then tapping the **Fuel Uplifts** (Fuel Uplifts) button.

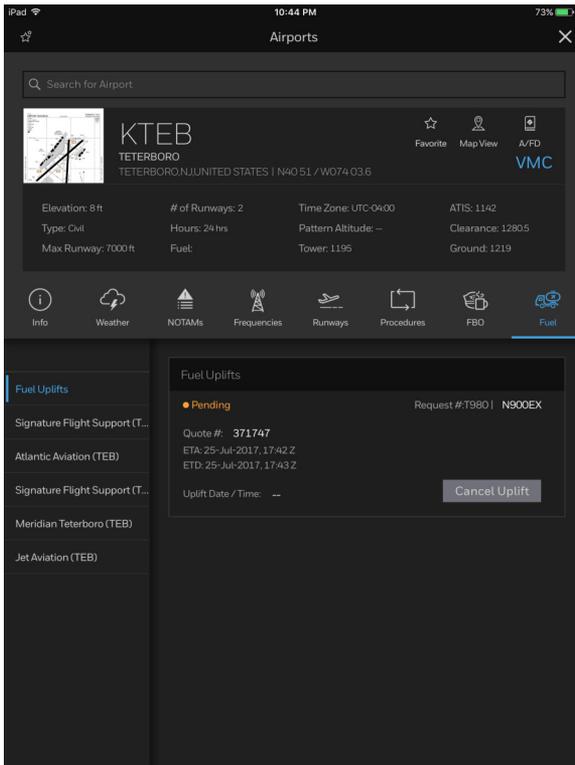
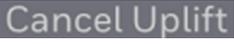


Figure 3-24: Fuel Uplifts

CANCELING FUEL UPLIFT

After submitting a fuel uplift request, you can easily cancel an order at any time.

1. Tap the  (Fuel) button.
2. Tap the  (Cancel Uplift) button.
A confirmation box appears to verify request.
3. Tap  (Yes) to Confirm.

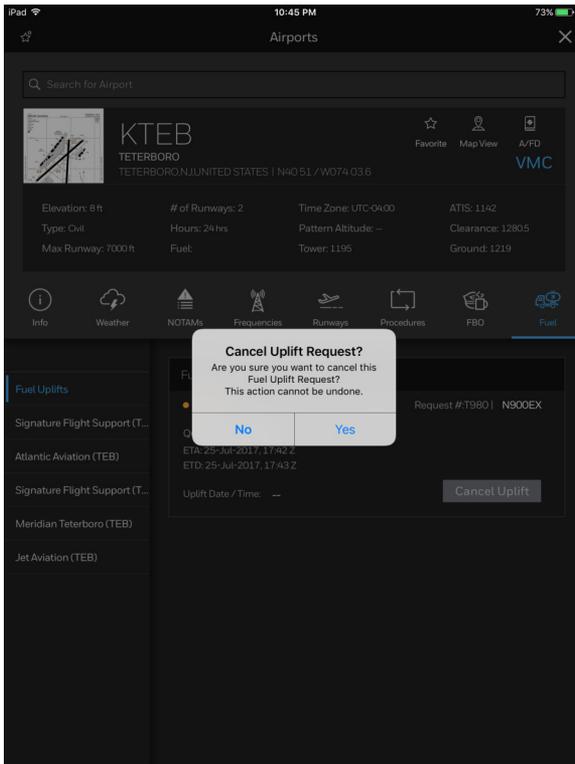


Figure 3-25: Cancel Fuel Uplift

4. Weather (WX) Charts

The WX Charts screen lets you view charts from geographical regions (United States, International, and Oceanic), and sub-regions (Alaska, Northwest, Southwest, Continental, etc.). Once the region and sub-region are selected, the weather charts available for those areas are displayed.

VIEWING GRAPHICAL WEATHER (WX) CHARTS

1. Tap the  (Tools Menu) button.
2. Tap the  (WX Charts) button.

A tab menu containing a list of available geographic regions is displayed across the top of the screen.



Figure 4-1: Geographic Regions

3. Tap the desired geographical region (in this example, **United States** is selected).

- 4. Tap to select a sub-region.

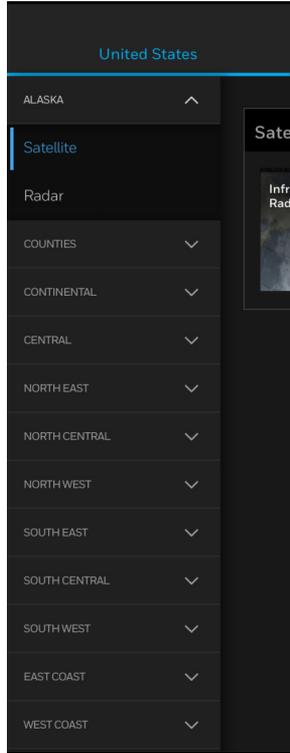


Figure 4-2: U.S. Sub-Regions

- 5. Tap to select the desired chart type (e.g., Low Sig Weather).

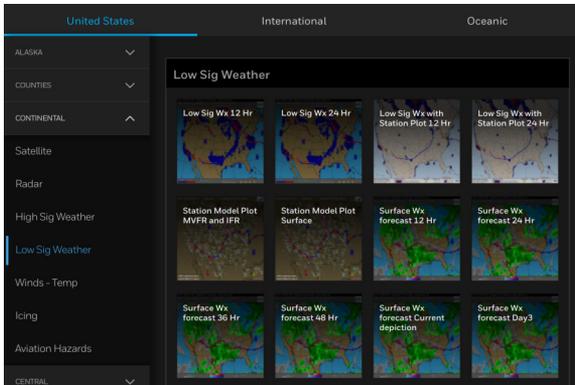


Figure 4-3: Weather Charts



NOTE: Once the desired WX Chart is selected, there may be different variations of the chart to choose from.

6. Tap the desired WX chart thumbnail to view the chart full-screen.
7. Tap the  (**Close**) button near the top-right corner of the chart to exit.

REFRESHING OUTDATED CHARTS

Each weather chart has a valid time and update interval. The charts can be refreshed by noting the valid time and update interval displayed on the chart and by closing and reopening the chart after a new valid time is published.

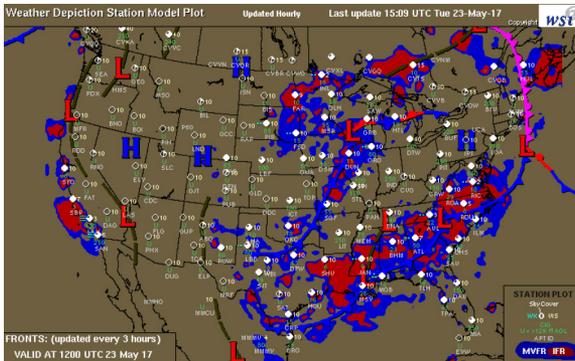


Figure 4-4: Refreshing Outdated Charts

ADDING WX CHARTS TO YOUR TRIP KIT



TIP: A Trip Kit must first be generated and downloaded for a specific flight plan before WX charts can be added. See [Trip Kits in Section 7, Creating a Flight Plan](#), to learn how to install a Trip Kit.

1. Tap the  (**Tools Menu**) button.
2. Tap the  (**Trip Kits**) button.
3. Tap the **Manage Trip Kit** (**Manage Trip Kit**) tab.
4. Tap the **Weather Charts** (**Weather Charts**) button.
The different geographical regions available are displayed.
5. Tap to select the desired region.
Available charts for that specific region are listed.
6. Tap the  (**Check**) box to the right of the charts you want to add to your Trip Kit.
A  (**Blue**) checkmark is displayed for each selected chart.

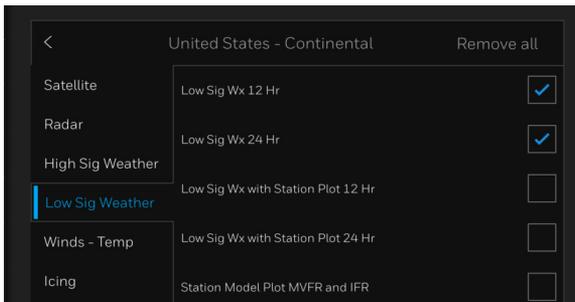


Figure 4-5: Adding WX Charts to a Trip Kit

7. Tap the **Save & Close** (**Save & Close**) button to add the checked charts to your Trip Kit.

The Trip Kit screen closes to reveal the Flight Schedule screen, generating and downloading an updated Trip Kit containing the WX charts you selected.

VIEWING WX CHARTS IN YOUR TRIP KIT



NOTE: WX charts must first be added to your Trip Kit and the Trip Kit must be regenerated and downloaded before the WX charts can be viewed offline. See [Trip Kits in Section 7, Creating a Flight Plan](#), to learn how to add WX charts to a Trip Kit.

1. Tap the  (**Tools Menu**) button.
2. Tap the  (**Trip Kits**) button.
The **View Trip Kit** window is displayed.
3. Tap the  (**Weather Charts**) button.
4. Tap the thumbnail image of the WX chart you would like to view.

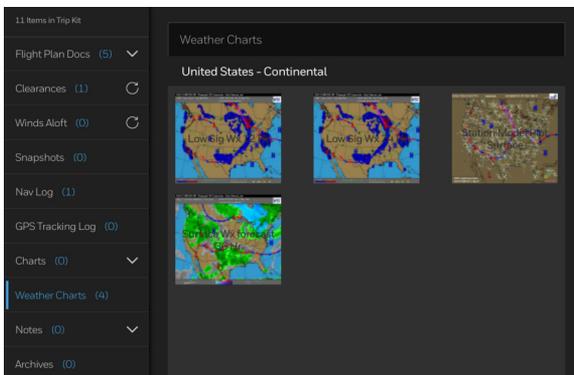


Figure 4-6: WX Chart Thumbnails

5. Tap the  (**Close**) button to close the WX chart and return to the Trip Kit view.

DELETING WX CHARTS FROM YOUR TRIP KIT

1. Tap the  (Tools Menu) button.

2. Tap the  (Trip Kits) button.

The **View Trip Kit** window is displayed.

3. Tap the  (Weather Charts) button.

4. Long press with your finger for about two seconds on the thumbnail image of the WX chart you would like to delete. See [Touchscreen Gestures in Section 1, Overview](#), for more information.

A  (Delete) symbol is displayed on the image.

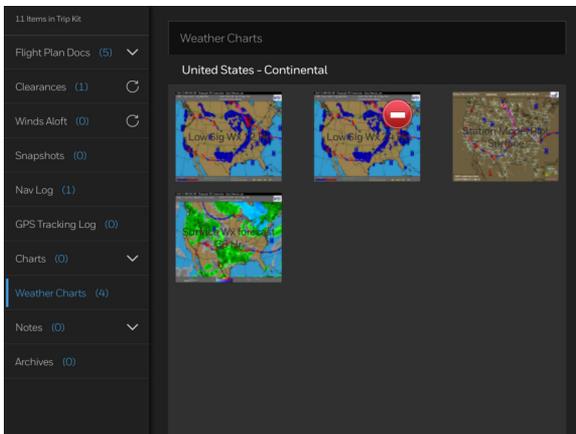


Figure 4-7: Deleting WX Thumbnail

5. Tap the  (Delete) symbol.

The chart is deleted.

If you change your mind and do not want to delete the chart, tap anywhere else on the thumbnail of the WX chart and the chart will open full-screen. When you close the WX chart, the option to delete the chart will disappear.

5. Map Controls

OVERVIEW OF MAP CONTROLS

The Map screen has many control features that can be selected to enhance the map. Use a two-fingered pinch to zoom the map in and out. See [Touchscreen Gestures in Section 1, Overview](#), for more information.

- GPS Centering
- Compass Rose
- Overlays
- Map Scale
- Map Settings
- Legends
- Digital Instruments panel (Go Fly Mode)
- WX animation controls
- Recording GPS Tracking (Go Fly Mode)

USING THE MAP TO CREATE A FLIGHT PLAN

1. On the Flight Schedule screen, tap the **(Create New Flight Plan)** button.



NOTE: You can tap on the same icon on the Tools menu to perform the same action.

2. Enter the following information to create a flight plan:
 - Aircraft information
 - Flight Rule
 - Departure Airport
 - Destination Airport
 - Payload
 - Fuel (total)

- Flight Level
- Date & Time.

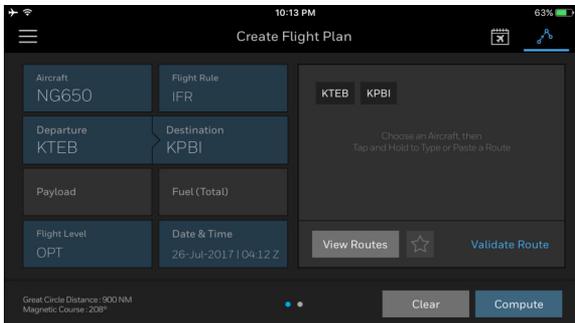


Figure 5-1: Create Flight Plan

3. Tap the **View Routes** (**View Routes**) button.

The **View Routes** window is displayed.



NOTE: You may only select a route after specifying both Departure and Destination airports.

4. Tap one of the dropdown menus (**Recently Cleared**, **Frequently Cleared**, **Optimized**, **CDR Routes** or **Favorites**) to choose your desired route. Categories only appear if there are routes available within each category. Once a category is selected, a list of routes are displayed that you can choose from.

- Tap the **View** (**View**) button to see the desired route on the map display.

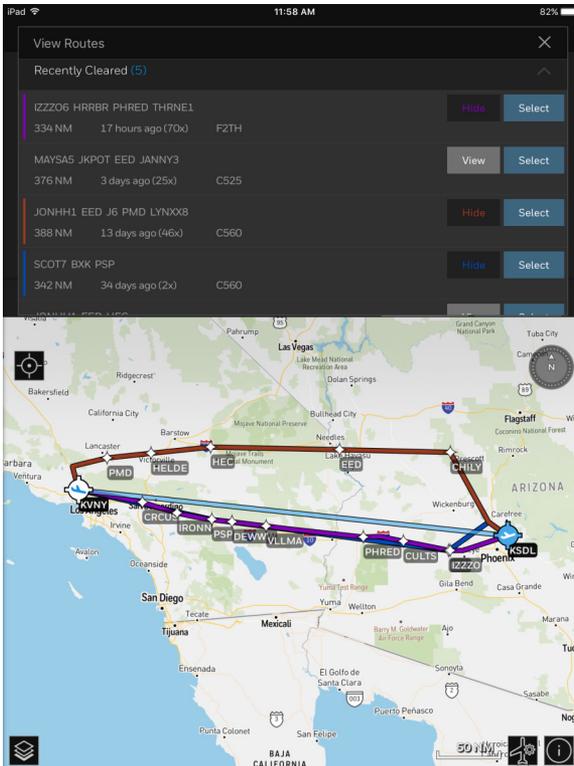


Figure 5-2: Comparing Multiple Routes



TIP: If more than one route is being viewed, each route is displayed with a different color to identify them separately on the map.

- Tap the **Hide** (**Hide**) button to hide the route.



TIP: The color of the Hide button corresponds to the color assigned to the route.

- Tap the **Select** (**Select**) button to choose the desired route for your flight plan.

8. Tap the **Compute** (**Compute**) button.

An alert window is displayed, asking to confirm a **Quick Compute** based on default cruise profiles or **Calculate Performance** for a custom computation.

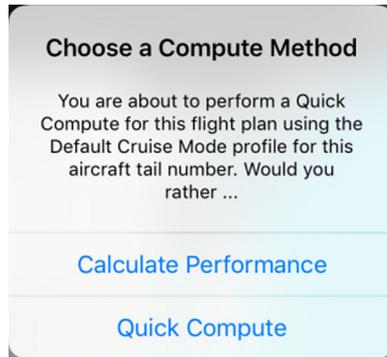


Figure 5-3: Calculate Performance/
Quick Compute Alert Window

9. Tap the **Clear** (**Clear**) button to start over.

GPS CENTERING

1. When interacting with the map, tap the  (**GPS Center**) button.

The map centers to your current GPS location.



*NOTE: The  (**GPS Center**) button turns blue when tapped.*

Compass Rose



The **Compass Rose** is located at the top-right corner of the map. Tapping the compass rose re-oriens the map to North Up if you have tilted the globe.

WX ANIMATED PLAYBACK

When a radar region is selected in the Weather overlays, the **(WX Animation)** playback button is available in the bottom-left corner of the map.

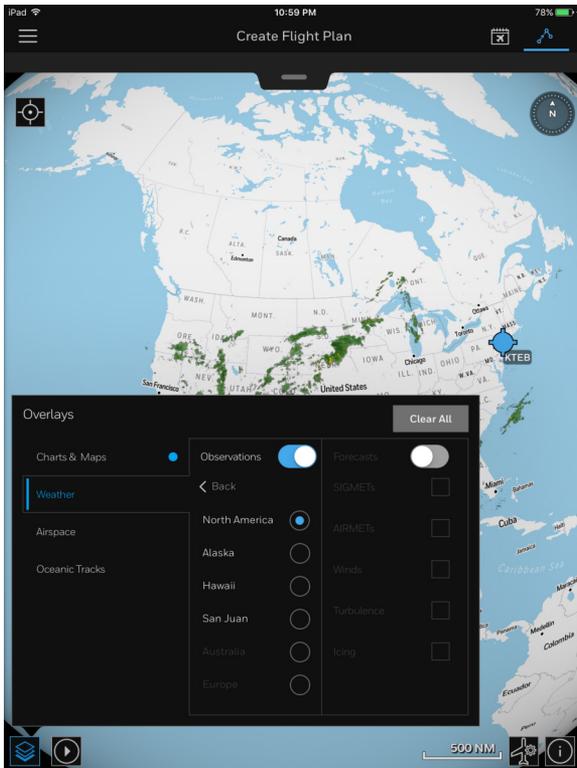


Figure 5-4: Weather Overlay with WX Animation Playback

1. Tap the  (**Radio**) button to the right of the selected radar observation.
The  (**Blue Radio**) button is displayed to the right of the selected radar observation.
2. Tap anywhere outside the Map Overlays popover menu to close it.
3. Tap the  (**Animation**) button to turn on the animation.
When activated, the  (**Pause**) button is displayed.
4. Tap the  (**Pause**) button to pause the weather animation.

MAP SCALE

The Map Scale indicator is located on the bottom-right corner of the map. As you pinch to zoom in/out on the map, the scale automatically changes to accurately depict the nautical miles per the scale. See [Touchscreen Gestures in Section 1, Overview](#), for more information.



Figure 5-5: Map Scale Indicator

MAP POPOVER MENUS

There are four popover menus accessible when viewing the map display:



GPS Centering



Overlays



Map Settings



Legend

Additional Map Popover Menus

There are three additional popover menus, which are displayed on the map when using Flight Bag Pro in Go Fly mode or when taking snapshots to add to your Trip Kit:

1. Tap the  (**Tools Menu**) button.
2. Tap the  (**Trip Kits**) button.
3. Tap the  (**Go Fly**) button.

The following popover menus are now displayed on the map:



Digital Instruments – Provides altitude, groundspeed, heading, etc.

 (Track Log Recording) – Records the flight in Trip Kit

 (Snapshots) – Take snapshots of anything on the map

MAP SETTINGS

1. Tap the  (Create Flight) button.
2. Tap the  (Map Settings) button to display the **Map Settings** window.

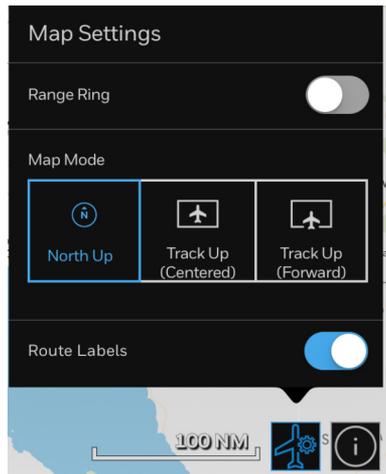


Figure 5-6: Map Settings

The Map Settings consist of:

- The Range Ring (5, 10, and 25 NM (nautical miles) rings)
- Map Mode
 - North Up
 - Track Up (Centered)
 - Track Up (Forward)
- Route Labels

RANGE RING

The range ring provides a range of distances based on the current GPS location.

1. Tap the  (**GPS Centering**) button to center the map around the current GPS location.
2. Tap the  (**Map Settings**) button to display the **Map Settings** window.
3. Slide the  (**Range Ring**) toggle switch to turn on the Range Ring.

Changing the Range

1. Tap the  (**Tools Menu**) button.
2. Tap the  (**Settings**) button.
3. Tap the **Map View** (**Map View**) button.
4. Tap the  (**Down**) arrow on the Distance Range Ring Style to display the dropdown menu of the different range values.

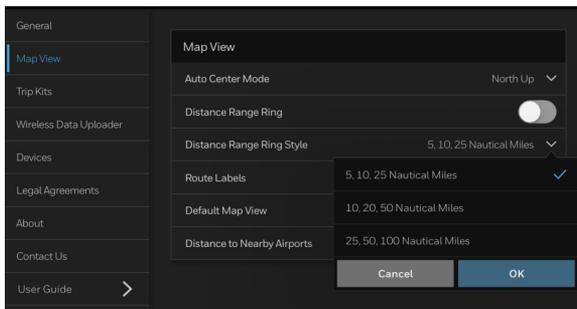


Figure 5-7: Range Ring Settings

5. Tap the desired value, then tap .

MAP MODES – NORTH UP, TRACK UP (CENTERED), TRACK UP (FORWARD)

1. Tap the  (**Create Flight**) button.
2. Tap the  (**Map Settings**) button.

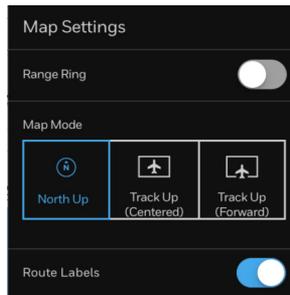


Figure 5-8: Map Settings

3. Tap the  (**North Up**) button to reposition the mode to north.
4. Tap the  (**Track Up (Centered)**) button to reposition the map to center on the current location displayed.
5. Tap the  (**Track Up (Forward)**) button to reposition the map so you can see more of what is coming farther ahead based on your current GPS position.

ROUTE AND MAP LABELS

When the Route Labels switch is toggled on, labels for your Departure/Destination airport, waypoints, VORs, or any fixed position that is part of the flight plan's route are displayed.



Figure 5-9: Route Label

1. Tap the  (Tools Menu) button.
2. Tap the  (Settings) button.
3. Tap the  (Map View) button.
4. Slide the  (Route Labels) toggle switch to toggle the Route Labels.

MAP OVERLAYS

1. Tap the  (Create Flight) button.
2. Tap the  (Overlays) button.

The overlays consist of Charts & Maps, Weather, Airspace, and Oceanic Tracks overlays.



NOTE: A blue dot displayed to the right of Charts & Maps, Weather, Airspace, and/or Oceanic Tracks indicates that an overlay has been enabled in that category.

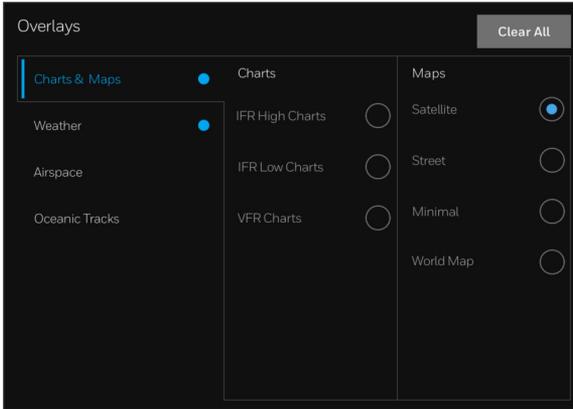


Figure 5-10: Map Overlays Popover Menu

Viewing and Changing Charts

Chart overlays consist of:

- IFR High Charts
- IFR Low Charts
- VFR Charts

ENABLING CHART OVERLAYS

1. Tap the  (**Create Flight**) button.
2. Tap the  (**Overlays**) button.

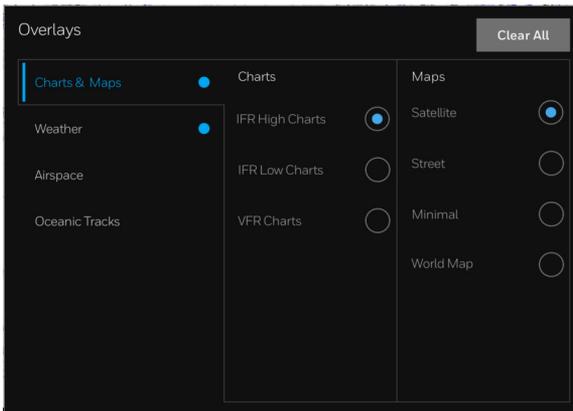


Figure 5-11: Chart Overlays Screen

3. Tap the  (**Charts & Maps**) button.
4. Tap the  (**Radio**) button to the right of the desired chart.

The  (**Blue Radio**) button is displayed to the right of the selected chart.

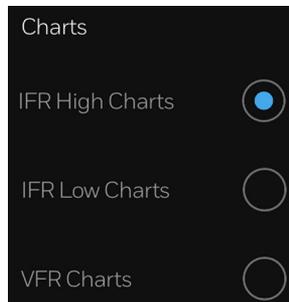


Figure 5-12: Charts Options



TIP: Only one chart can be selected at a time.

Viewing and Changing Maps

The Map overlays consist of:

- Satellite
- Street
- Minimal
- World Map

ACCESSING THE DIFFERENT MAP OVERLAYS

1. Tap the  (**Create Flight**) button.
2. Tap the  (**Overlays**) button.
3. Tap the **Charts & Maps** (**Charts & Maps**) tab.
4. Tap the  (**Radio**) button to the right of the desired chart.

The  (**Blue Radio**) button is displayed to the right of the selected map.

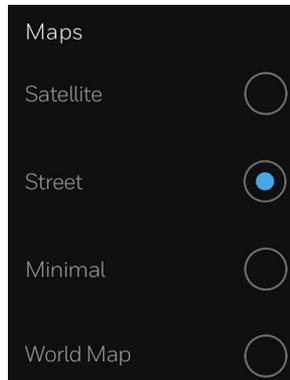


Figure 5-13: Maps Options



TIP: Only one map can be selected at a time.

Viewing and Changing Weather Overlays

Weather Overlays consist of:

- Observations
 - Radar
 - Satellite
 - PIREPs (Pilot Reports)
 - Lightning
- Forecasts
 - SIGMETs (Significant Meteorological Information)
 - AIRMETs (Airmen's Meteorological Information)
 - Winds
 - Turbulence
 - Icing

ACCESSING THE DIFFERENT WEATHER OVERLAYS

1. Tap the  (**Create Flight**) button.
2. Tap the  (**Overlays**) button.
3. Tap the **Weather** (**Weather**) category.

4. Tap on a WX product in either the Observations or Forecasts sub-category to display that WX overlay on the map.

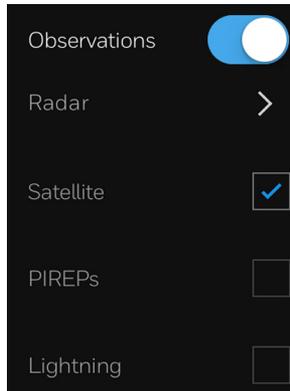


Figure 5-14: Weather Observations



TIP: Tapping a WX product in either category automatically toggles the switch. You may only view Observations or Forecasts but never both at the same time, so as to avoid confusion regarding when a weather phenomenon has occurred.

5. Tap the  (Check) box to the right of the desired weather observation.

A  (Blue) checkmark is displayed when selected.

ACCESSING THE RADAR MENU

1. Tap the  (Create Flight) button.
2. Tap the  (Overlays) button.
3. Tap the **Weather** (Weather) category.
4. Tap the **Radar** (Radar) button.
5. Tap the  (Radio) button to the right of the desired chart.

The  (Blue Radio) button is displayed to the right of the selected radar observation.

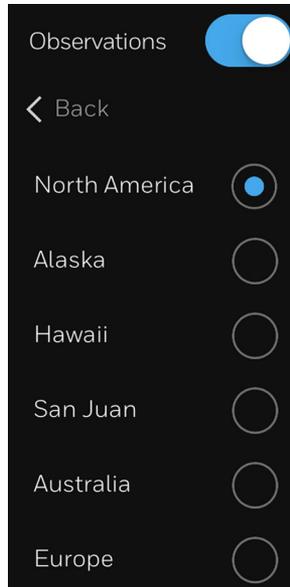


Figure 5-15: Radar Observation Menu

Viewing and Changing Airspaces

Airspace overlays consist of:

- All SUA (special use airspace)
 - Restricted
 - Alert
 - ATC Assigned
 - Military Operations
 - Prohibited
 - Warning
 - TFRs



*TIP: Tapping **All SUA** will display all airspace types at the same time on the map.*

1. Tap the  (**Create Flight**) button.
 2. Tap the  (**Overlays**) button.
 3. Tap the **Airspace** (**Airspace**) button.
 4. Tap the  (**Check**) box next to the desired Airspace.
- A  (**Blue**) checkmark is displayed when selected.



NOTE: More than one airspace can be selected.

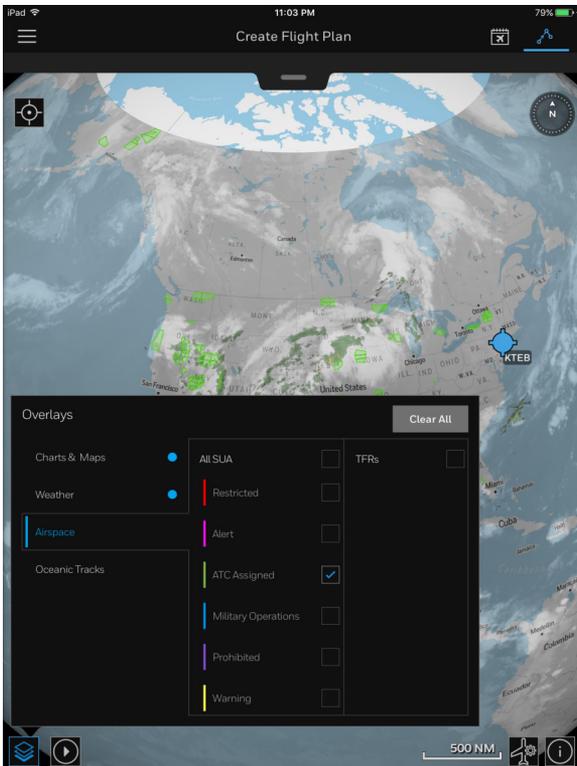


Figure 5-16: Viewing/Changing Airspaces

Viewing and Changing Oceanic Tracks

There are Westbound and Eastbound Oceanic Track menus.



NOTE: Only Eastbound or Westbound tracks are available at one time.

1. Tap the  (**Create Flight**) button.
2. Tap the  (**Overlays**) button.
3. Tap the **Oceanic Tracks** (**Oceanic Tracks**) button.
4. Slide the  (**Oceanic Tracks**) toggle switch to turn on/off the Oceanic Tracks.



NOTE: An Oceanic track can be selected without sliding the



(Oceanic Tracks) toggle switch; just tap the



(Radio) button to select the desired track and the track will be displayed.

5. Slide the  (**Oceanic Tracks**) toggle switch to remove Oceanic Tracks from the map display.

MAP LEGENDS

1. Tap the  (**Create Flight**) button.
2. Tap the  (**Legends**) button.

A Legends popover menu is displayed at the bottom-right corner, providing reference for the selections being displayed on the map.

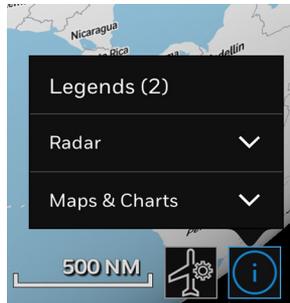


Figure 5-17: Legends Popover Menu

3. Tap the  (**Down**) arrow to expand each category in the dropdown menu for additional information about each overlay on the map.

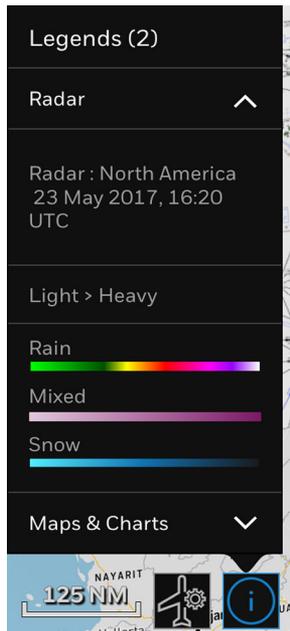


Figure 5-18: Legends Popover Menu With Radar Expanded

4. Tap the  (**Up**) arrow to collapse each category in the dropdown menu.

6. Runway Analysis/ Weight & Balance

With the power of the APG (Aircraft Performance Group) tool, you can quickly and conveniently determine the maximum allowable takeoff and landing weights for your aircraft based on the latest environmental conditions, airport characteristics, and aircraft configuration, while also ensuring your aircraft balance is accurate and safe.

SETTING UP YOUR APG ACCOUNT

To begin using the APG tool within Flight Bag Pro, contact the GoDirect Customer Support team or your Sales Representative to purchase a subscription. Each aircraft requires its own subscription; however, there is no limit to the number of users who can access the tool.

- U.S. Toll Free: (888) 634-3330 – Option 1
- International: +1 (602) 365-7020

SETTING UP AND MANAGING YOUR AIRCRAFT PROFILE(S)

Before using the APG tool, you must first set up your aircraft profile(s). This is done by contacting the GoDirect Customer Support Team, although, you may have done this when you first set up your subscription.

An account representative will work directly with you – or the Lead Maintenance Technician of your flight department – to obtain specific details about your aircraft.

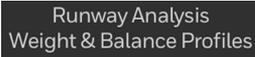
Since many aircraft have customized components and interiors, no two business aircraft are identical, and the APG tool requires specific data about your aircraft, such as: fuel burns, weight, interior layout, etc.

All this information and more will be used by our accounts team to get your aircraft profiles set up and ready to use.

APG will automatically be signed-in the next time you log in to Flight Bag Pro.

DOWNLOADING APG RUNWAY ANALYSIS/ WEIGHT & BALANCE PROFILES

Once you have an active subscription for each of your aircraft and our accounts team has set up your aircraft profiles, downloading the Runway Analysis/Weight & Balance Profiles is simple:

1. Tap the  (**Tools Menu**) button from the Flight Bag header.
2. Tap the  (**Downloads**) button.
3. Tap the  (**Runway Analysis/Weight & Balance Profiles**) button to display the Runway Analysis/Weight & Profiles screen.

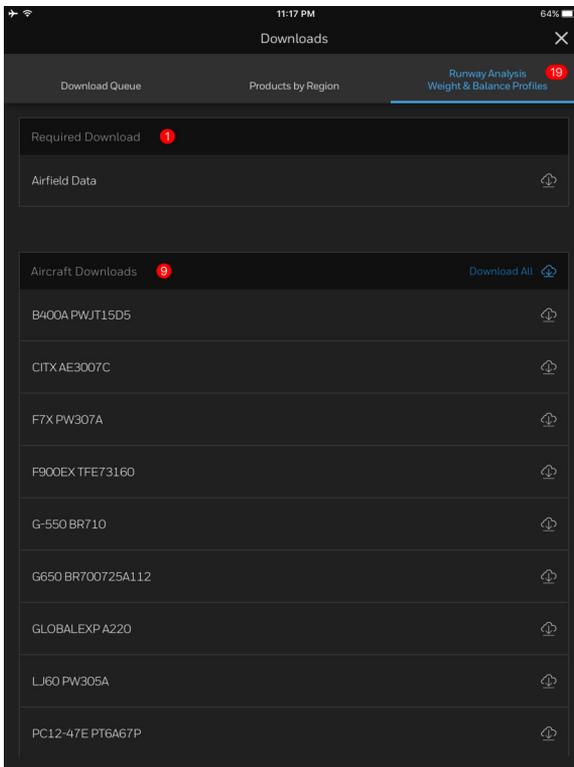


Figure 6-1: Runway Analysis/Weight & Balance Profiles Screen

4. Tap all items within the Required Download section.

5. Tap the desired aircraft(s) from the Aircraft Downloads section.
6. Tap the desired aircraft(s) from the W&B Tail Downloads section.



NOTE: These steps must be done whenever a new aircraft is added to your profile.



NOTE: See [Section 8, Downloads](#), to learn more about downloads.

Accessing the APG Tool

APG Runway Analysis/Weight & Balance (RA/W&B) tools are fully integrated with Flight Bag Pro for generating faster reports based on your flight plans.

There are three ways to access the APG tool:

- From the Trip Kit – The quickest way to add a report to your Flight Plan Docs.
- From the Flight Schedule Screen – Calculate, view, or change an RA/W&B from your list of flights.
- From the Tools Menu – As a standalone APG tool without the need to create a flight plan.

FROM THE TRIP KIT



NOTE: After you create a flight plan, Flight Bag Pro opens your Trip Kit. From here, you can go directly to the APG tool and begin creating a report. See [Section 7, Creating a Flight Plan](#), for more information on Trip Kits.

1. From the Flight Schedule window, tap the desired Trip Kit.
2. Tap the **Manage Trip Kit** (**Manage Trip Kit**) tab to display a list of Trip Kit document categories in the side menu.
3. Tap the box to the right of the **RA/W&B Report** (**RA/W&B Report**) button to include a Runway Analysis and Weight and Balance Report to your list of Flight Plan Docs in your Trip Kit.



NOTE: This step does not produce the report. It only adds the report to the Trip Kit after generating the report using the APG tool.

4. Tap the **RA/W&B** (Runway Analysis/Weight & Balance) button.



NOTE: Be sure to download the latest updates before trying to complete the steps below. See [Section 8, Downloads](#), to learn how to download the latest updates.

FROM THE FLIGHT SCHEDULE SCREEN

1. Tap the  (Flight Schedule) button.
2. Tap a tile to select a flight plan.
3. Tap the **RA/W&B** (Runway Analysis/Weight & Balance) button.

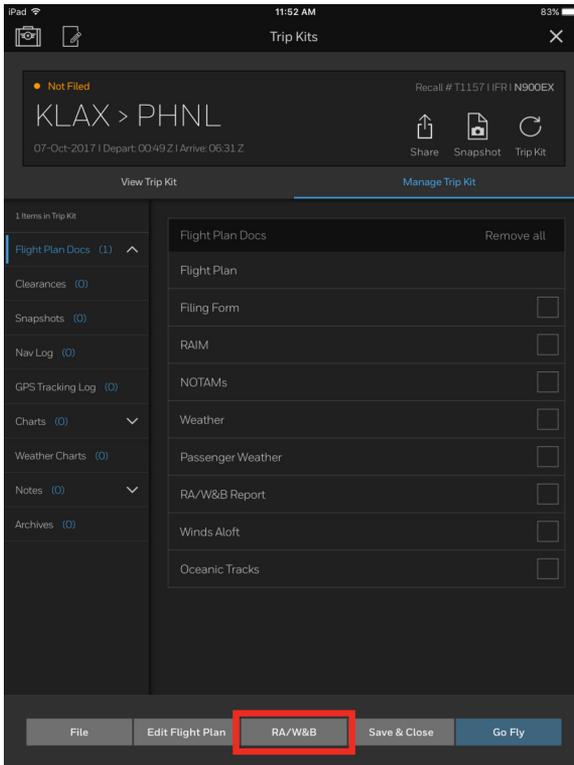


Figure 6-2: APG RA/W&B Accessible From the Flight Schedule Screen

FROM THE TOOLS MENU

APG Runway Analysis/Weight & Balance reports can also be generated independent of your flight plan.

1. Tap the  (Tools Menu) button.
2. Tap the  (Runway Analysis/Weight & Balance) button.
3. Tap the **Select** (Select) button to the right of the **Tail Number** label to select a specific aircraft from your fleet.
4. Tap the **Select** (Select) button to the right of the **Calculation Tool** label to select between Runway Analysis or Integrated RA/W&B.
5. Tap the **Continue** (Continue) button.

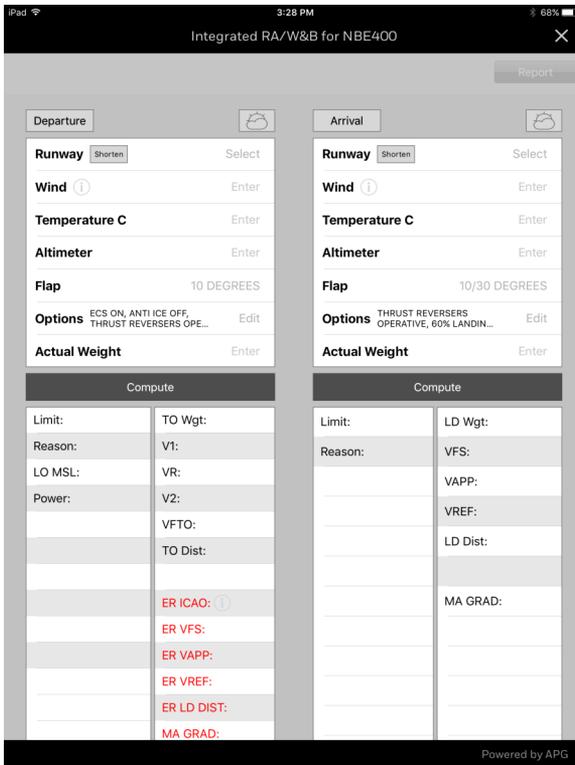


Figure 6-3: Calculating a Stand-Alone RA/W&B Report

INTEGRATING YOUR FLIGHT PLAN

Once you have created your flight plan, Flight Bag Pro conveniently:

- Populates fuel load and en route burn amounts into the Weight & Balance
- Populates departure and arrival airport into the Runway Analysis
- Adds completed Runway Analysis/Weight & Balance directly into the Flight Bag Trip Kit.

INTEGRATED WEIGHT & BALANCE/RUNWAY ANALYSIS

APG Weight and Balance calculation software is fully integrated with the Runway Analysis software as well. Computed weights are transferred directly to the Runway Analysis tool to compute aircraft departure and arrival performance.

USING WEIGHT & BALANCE

1. Tap the  (Flight Schedule) button.
2. Tap a tile to select a flight plan.
3. Tap the **RA/W&B** (Runway Analysis/Weight & Balance) button to display the Runway Analysis/Weight & Balance screen.

Units can be added by tapping on the position within the aircraft diagram on the left or from the expandable dropdown menu on the right.

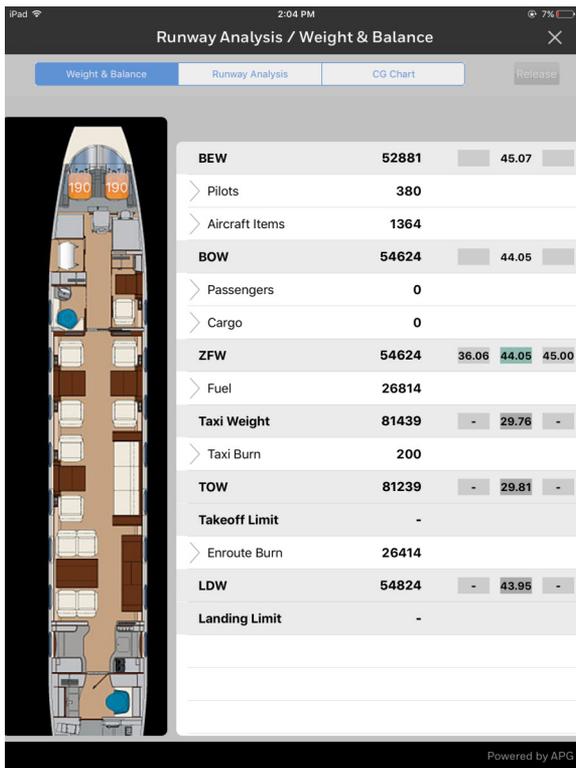


Figure 6-4: APG Weight & Balance Screen

USING THE AIRCRAFT DIAGRAM

1. Tap on the flight deck or cabin position you would like to populate.

The **APG Passenger Position** window is displayed.

Standard Weights	
Male	194 lbs
Female	173 lbs
Child	76 lbs
Standard Weight	184 lbs

Figure 6-5: APG Passenger Position

Using Actual Weights

1. Tap **0**.
2. Use the keypad to enter the desired weight.
3. Tap the **Done** (**Done**) button when finished.

To account for lap children, crewmembers, or cargo, slide the appropriate buttons to the right (this must be done first when using Standard Weights).

When using Standard Weights, tap on **Male**, **Female**, **Child**, or **Standard Weight** to populate.

4. Tap the **Use** (Use) button when finished.

To remove a passenger or weight from the position, simply tap on the populated position to delete.

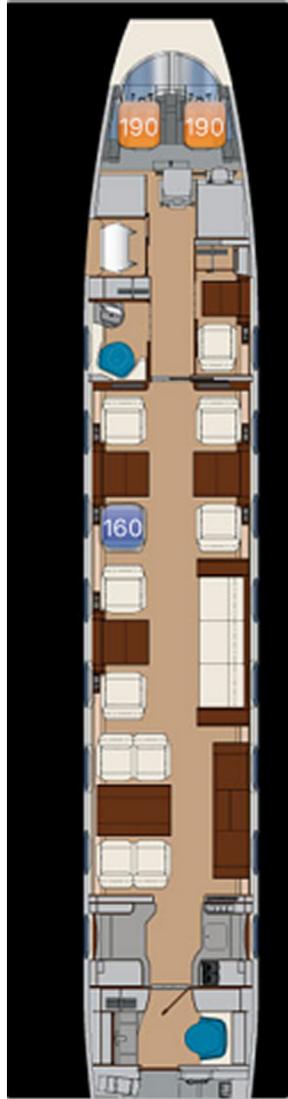


Figure 6-6: Deleting a Populated Passenger Position

Using the Expandable Dropdown Menu

1. Tap the  (**Right**) arrow to expand the desired category.
2. Tap the gray box next to the desired category.

When using actual weights, type the actual weight on the numeric keypad.

3. Tap the **Done** (**Done**) button when finished.

When using Standard Weights, tap on either **Male**, **Female**, **Child**, or **Standard Weight**.

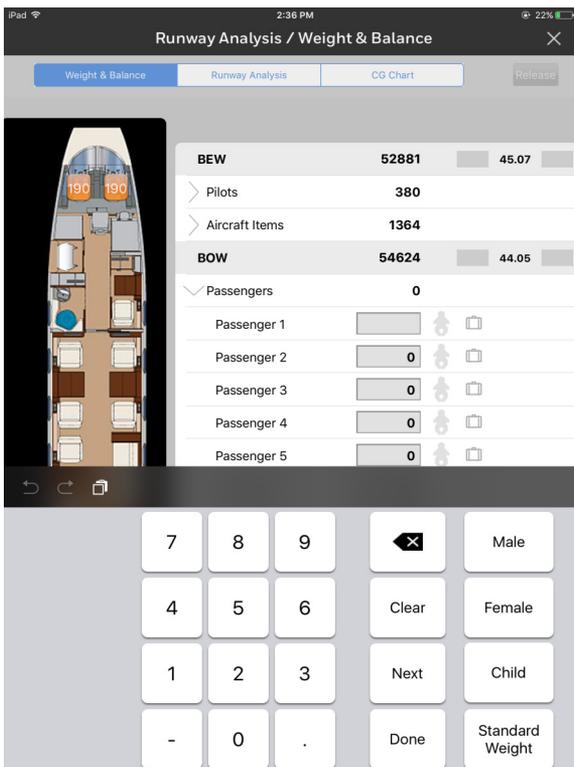


Figure 6-7: APG Position Expandable Dropdown Menu

4. If necessary, tap on the  (baby) icon to include a lap child or the  (luggage) icon to include a carry-on item.

Using Runway Analysis

From the Runway Analysis/Weight & Balance screen, tap on the **Runway Analysis** (Runway Analysis) button to open the tool.

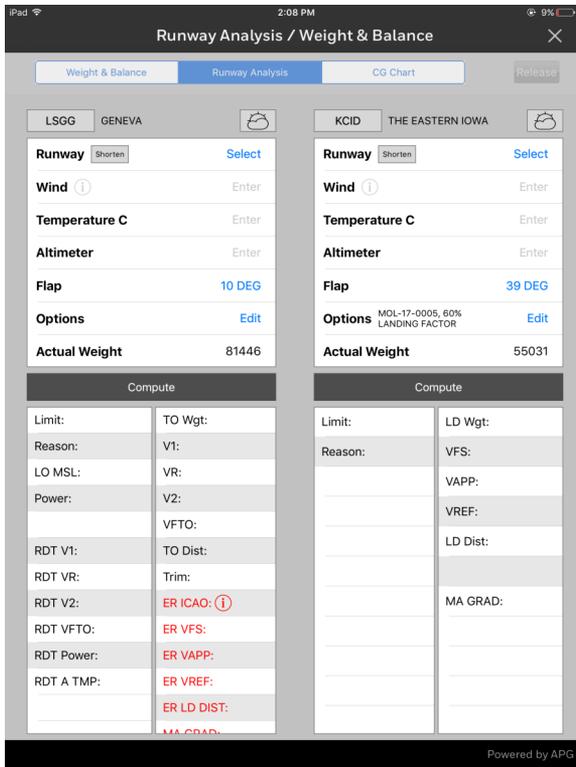


Figure 6-8: APG Runway Analysis

With APG’s integration with Flight Bag Pro, departure and arrival airports are pre-populated from the selected flight plan.

Choosing a Runway

1. Tap the **Select** (Select) button to the right of Runway to choose from available runways.
2. When intersection departures are in use, slide the **Show Intersection** toggle switch to the right to show additional runway/intersection combinations.
3. Tap the **Done** (Done) button when finished.

When Shorten runway analysis is necessary, tap the **Shorten** (**Shorten**) button to the right of **Runway** to enter the desired shortened amount, then tap **Shorten Runway** (**Shorten Runway**).

Manually Entering Weather

To manually enter wind, temperature, and altimeter data:

1. Tap the **Enter** (**Enter**) button to the right of the Wind, Temperature C, and Altimeter fields.
2. Use the numeric keypad to enter the appropriate values.
3. Tap the **Done** (**Done**) button.
4. Tap the  (**Weather**) button to view current weather conditions and forecasts.
5. Tap the **Use** (**Use**) button to automatically transfer METAR, TAF, and PIREPs data into the Runway Analysis calculator.

Specifying Flap Settings

1. Tap the **Select** (**Select**) button to the right of **Flap**.



TIP: If the aircraft has only one takeoff flap setting, this field will be automatically populated and cannot be changed.

2. Scroll up or down to select the desired setting.
3. Tap the **Done** (**Done**) button when finished.

Options

Options can be changed as necessary to accommodate specific aircraft configuration, runway conditions, and landing factors.

1. Tap the **Edit** (**Edit**) button to the right of **Options**.
2. Scroll up or down and tap all desired conditions to include in the Runway Analysis calculation.
3. Tap the **Done** (**Done**) button when finished.

Calculating Aircraft Performance

Aircraft performance numbers are automatically calculated and shown in the lower half of the screen.

Calculating Emergency Return Performance

1. Tap the  (**Information**) button to the right of **ER ICAO** (Emergency Return International Civil Aviation Organization).

ICAO defaults to the departure airport.

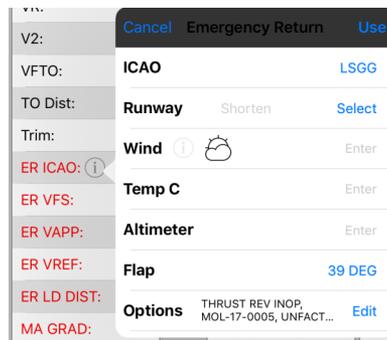
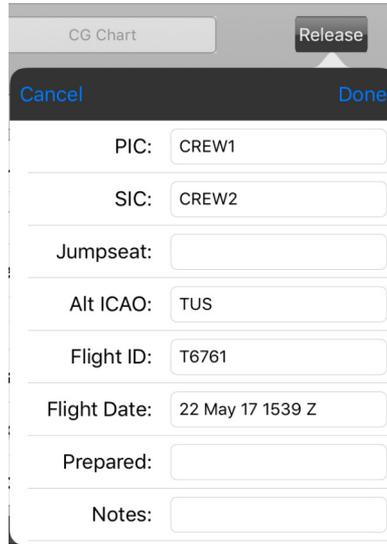


Figure 6-9: APG Emergency Return

2. Tap the desired airport in the list of Frequently Used Airfields or enter an ICAO code, airport name, or city in the search field to change the emergency return destination, then tap  (**Emergency Return**).
3. Tap the  (**Select**) button to the right of **Runway** to select the desired runway, then tap  (**Done**).
4. Tap the  (**Weather**) button next to the Wind label, then tap the  (**Use**) button to populate current weather.
5. Tap to the right of **Flap** to enter the desired flap setting, then tap the  (**Done**) button.
6. Tap the  (**Edit**) button to the right of **Options**, then tap the  (**Done**) button.
7. Tap the  (**Use**) button when finished.

CREATING A RELEASE

1. Tap the **Release** (Release) button from the Runway Analysis/Weight & Balance screen.
2. Enter any optional information.
3. Tap the **Done** (Done) button when finished.



CG Chart		Release
Cancel		Done
PIC:	CREW1	
SIC:	CREW2	
Jumpseat:		
Alt ICAO:	TUS	
Flight ID:	T6761	
Flight Date:	22 May 17 1539 Z	
Prepared:		
Notes:		

Figure 6-10: APG Create Release

The multiple-page RA/W&B Report is automatically added to your Trip Kit and ready to be viewed.

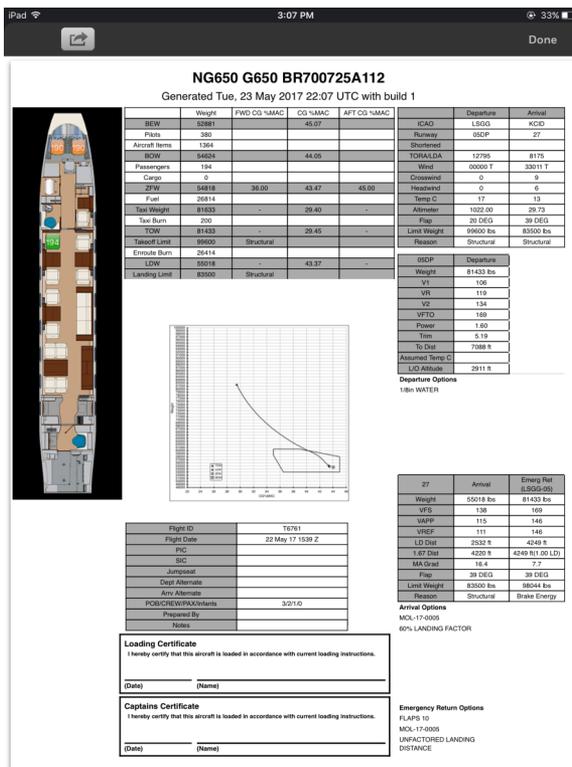
EMAILING OR PRINTING A RELEASE

The APG release document can also be emailed, printed, or sent to other programs.

1. Tap the  (**Share**) button from the upper-left corner of the screen.



TIP: This is a great way to send weight and balance information to meet record-keeping requirements.



NG650 G650 BR700725A112
Generated Tue, 23 May 2017 22:07 UTC with build 1

	Weight	FWD CG %MAC	CG %MAC	AFT CG %MAC	Departure	Arrival
BEW	52851		45.07		ICAO	L505
Pass	305				Routing	ROCP ZP
Aircraft Items	1364				Shortened	
BOW	54824		44.05		TOTALDA	12795 8175
Passengers	134				Wind	60000 T 30011 T
Cargo	0				Crosswind	0 0
ZFW	54815	35.00	43.47	45.00	Headwind	0 0
Fuel	20119				Temp C	12 13
Taxi Weight	81433	-	29.40	-	Altitude	1022 00 29.73
Taxi Burn	200				Flap	39 DEG 39 DEG
TOW	81633		29.45	-	Limit Weight	83000 lbs 83000 lbs
Takeoff Limit	95000	Structural			Reason	Structural Structural
Enroute Burn	26414					
LDFW	55019					
Landing Limit	83000	Structural	43.37	-		

ICAO	Departure
Weight	81433 lbs
V1	106
VLO	118
V2	134
VFTO	169
Power	1.60
Time	5.19
To Dist	7888 ft
Assumed Temp C	
L/D Altitude	2911 ft

ICAO	Departure	Arrival
Weight	55019 lbs	83000 lbs
V1	118	146
V2	134	169
VAPP	115	146
VREF	111	146
LD Dist	2532 ft	4249 ft
1.67 Dist	4229 ft	4249 ft
MA-Gnd	18.4	4249 ft
Flap	39 DEG	39 DEG
Limit Weight	83000 lbs	8804 lbs
Reason	Structural	Brake Energy

Flight ID	16761
Flight Date	22 May 17 1530 Z
PIZ	
SC	
Jumpseat	
Dist Alternate	
Arry Alternate	
POB/CREW/PAX/Inlets	3/2/1/0
Prepared By	Name

Leading Certificate	
I hereby certify that this aircraft is loaded in accordance with current loading instructions.	
(Date)	(Name)

Captains Certificate	
I hereby certify that this aircraft is loaded in accordance with current loading instructions.	
(Date)	(Name)

Emergency Return Options	
FLAPS 10	
MOL-17-0000	
UNFACTORED LANDING DISTANCE	

Figure 6-11: APG Release

2. Tap the  (**Done**) button when finished.
3. Tap the  (**Close**) button to close the Runway Analysis/Weight & Balance tool.

VIEWING RUNWAY ANALYSIS/WEIGHT & BALANCE INFORMATION IN YOUR TRIP KIT



*NOTE: The RA/W&B report must be added from the **Manage Trip Kit** window prior to viewing in the View Trip Kit window.*

1. Tap the  (**Tools Menu**) button.
2. Tap the  (**Trip Kits**) button.



*NOTE: These documents can be accessed via the Flight Schedule screen by tapping the  (**Trip Kit**) button on the respective flight plan or by navigating to the Trip Kits screen and selecting a Trip Kit for the respective flight plan.*

3. Tap the  (**View Trip Kit**) tab.

7. Creating a Flight Plan

Flight plans can be created from the Flight Schedule screen by tapping the  (Create New Flight Plan) button or by tapping the  (Create Flight) button in the main navigation bar or the  (Tools Menu).

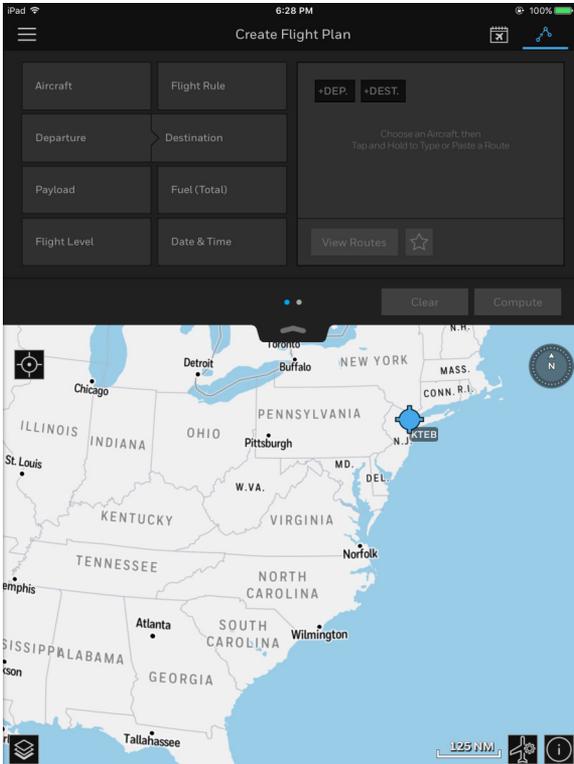


Figure 7-1: Create Flight Plan Tray

ENTERING FLIGHT PLAN INFORMATION

Selecting an Aircraft

1. Tap the  (Create New Flight Plan) button.

The aircraft form field is highlighted and the popover menu is displayed with a list of aircraft profiles tied to your account.

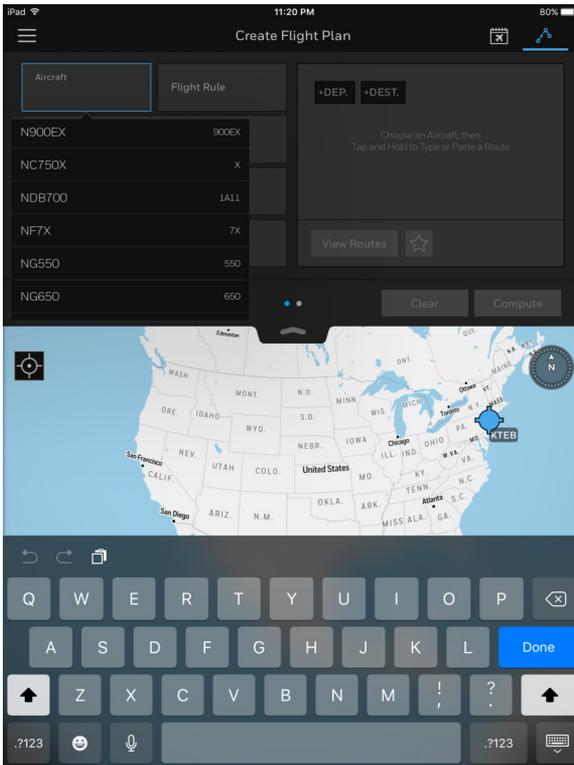


Figure 7-2: Aircraft Popover Menu

2. Tap the desired aircraft from the list.



TIP: New aircraft profiles can be created on the Honeywell GoDirect Flight Services website (www.flightservices.honeywell.com). See [GoDirect Flight Services Subscription in Section 2, Getting Started](#), for more information.

Selecting a Flight Rule

1. Tap the **Flight Rule** (Flight Rule IFR) button.

After you select an aircraft, the **Flight Rule** (Flight Rule) form field automatically defaults to IFR. However, you can change your Flight Rule to VFR or IFR, or, if you're flying EuroControl routes, you can choose **VFR ► IFR** or **IFR ► VFR**.

2. Tap the desired flight rule from the list.

Selecting Departure and Destination Airports

1. Tap the **Departure** (Departure) form field.

A Departure submenu displays the most recently filed arrival airport or Nearby Airports based on your GPS location when deleted or added for the first time.

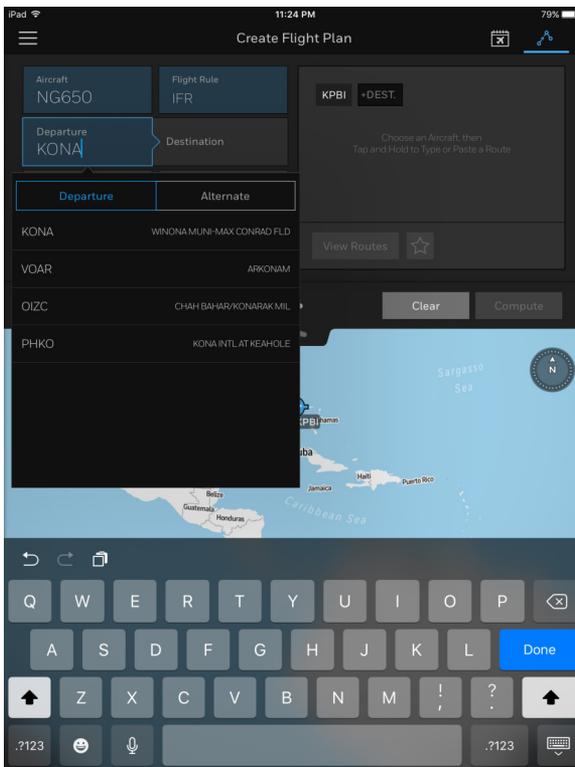


Figure 7-3: Departure Popover Menu

2. Tap on a Nearby Airport to select from the list or use the keyboard to type the four-letter ICAO identifier for the desired **Departure** airport.

After you select a Departure airport, the **Destination** (Destination) field is highlighted and a popover menu displays a list of Nearby Airports based on your GPS location.

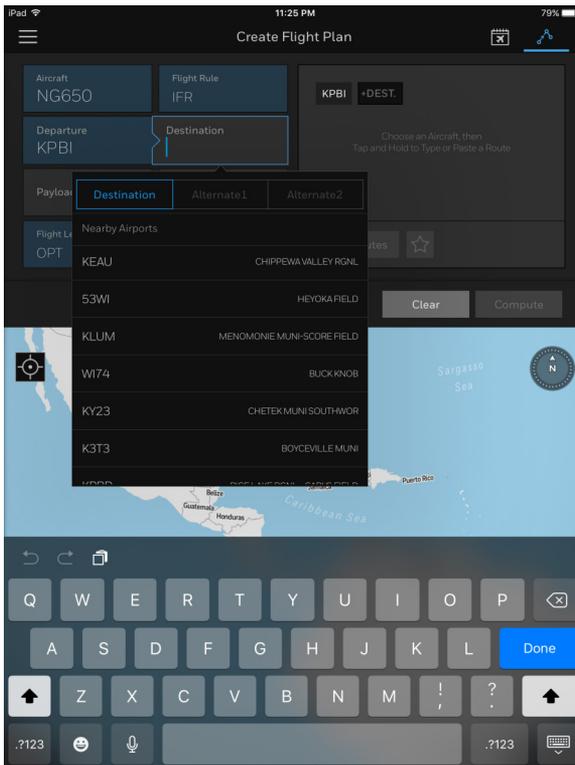


Figure 7-4: Destination Field

3. Tap on a Nearby Airport to select from the list or use the keyboard to type the four-letter ICAO identifier for the desired **Destination** airport.

The destination airport is entered and the Alternate 1 tab is highlighted.

After selecting the Departure and Destination, the Great Circle Distance and Magnetic Course are displayed on the lower portion of the **Create Flight Plan** Tray.

Selecting Departure or Destination Alternate Airports

After selecting a Departure or Destination airport, you can select a Departure Alternate airport and up to two Destination Alternate airports.

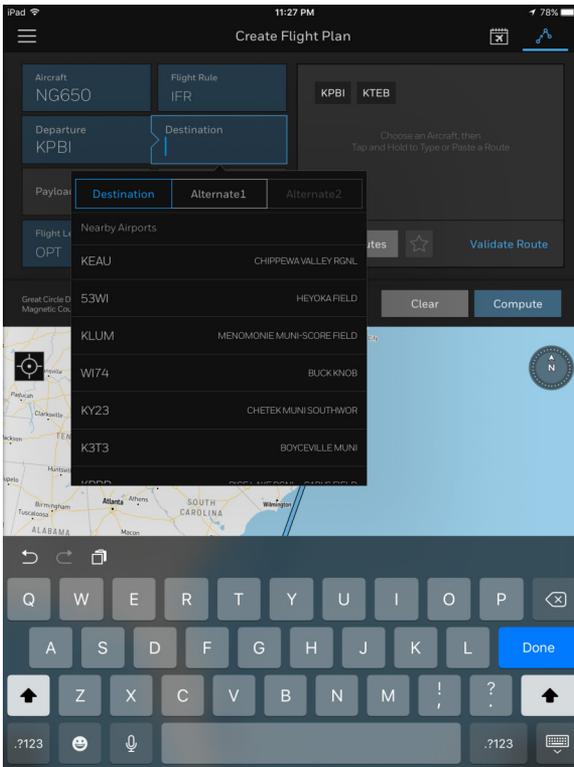


Figure 7-5: Destination Popover Menu

You may filter the list of alternate airports in the popover menu by the following criteria:

- **Search by TAF** – Toggle switch is ON by default and filters the list by Terminal Area Forecasts (TAFs). Slide the toggle switch to turn this filter off and see more airports in the list.
- **Distance from Departure/Destination** – Tap the **< 50 NM** (Distance) dropdown menu to expand the search results based on the distance (in nautical miles) from your chosen airport.

- **Runway Length** – Tap the **>=4000 FT** (Length) dropdown menu to expand the search results based on the runway lengths (in feet) of the airports in the list.



*TIP: You can include alternate destination airport weather and NOTAMS information in your flight plan summary by tapping the **Include in Flight Plan summary** toggle switch under the Alternate 1 menu.*

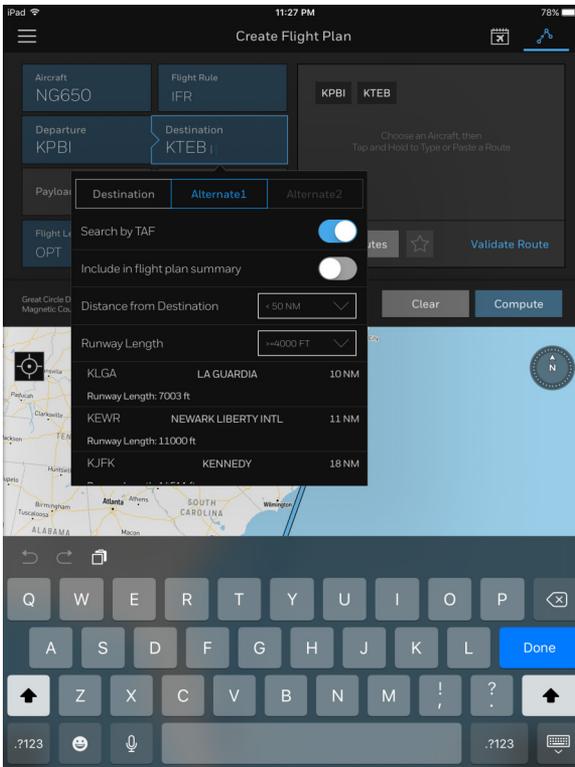
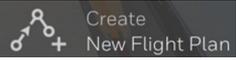


Figure 7-6: Alternate Destination Popover Menu

ENTERING YOUR PAYLOAD

Flight Bag Pro allows you to enter payload weights in one of two convenient ways – Manual or Itemized – or you can leave this field blank.

1. Tap the  (**Create New Flight Plan**) button.
2. Tap the  (**Aircraft**) form field.
3. Tap the  (**Payload**) form field to display the popover menu.

By default, the Payload field is set to Manual; allowing you to enter the total weight of your payload in pounds (lbs).

4. Tap the  (**Manual**) button to enter the total weight in pounds (lbs).

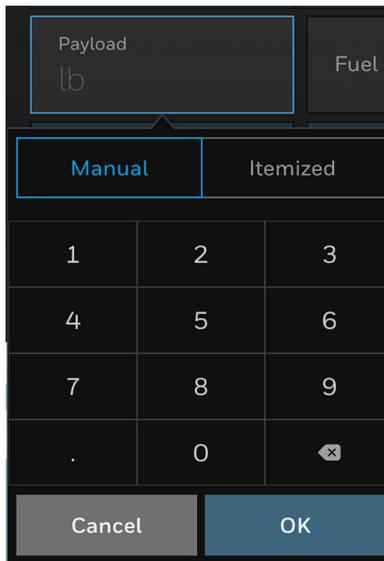


Figure 7-7: Entering Payload – Manual

Alternatively, you can choose to itemize your payload.

1. Tap the **Itemized** (Itemized) button.
2. Enter the total number of passengers using the standard weight of 200 lbs.
3. If necessary, enter the total additional cargo weight in pounds (lbs).

The screenshot shows a mobile application interface for entering payload information. At the top, there are two input fields: "Payload lb" and "Fuel (lb)". Below these are two buttons: "Manual" and "Itemized", with "Itemized" highlighted in blue. Underneath are two more input fields: "# Passengers (1x 200 lb)" and "Additional Cargo Weight". At the bottom is a numeric keypad with digits 1-9, a decimal point, 0, and a backspace key. At the very bottom are "Cancel" and "OK" buttons.

Figure 7-8: Entering Payload – Itemized

FUEL CALCULATIONS



TIP: You can set default Fuel values (Max Trip Fuel, Reserve, Holding, and Additional) for each of your aircraft by editing your Aircraft Profiles. See [Setting Up and Managing Your Aircraft Profile\(s\)](#) in Section 6, Runway Analysis/Weight & Balance.

Entering Primary Fuel

1. Tap the  (**Create New Flight Plan**) button.
2. Tap the  (**Aircraft**) form field.
3. Tap the  (**Fuel**) button.

A popover menu appears displaying your primary Fuel requirements for the flight you're planning.

4. Tap the  (**Max Trip Fuel**) toggle switch to enter the **Ramp Fuel** using the maximum fuel allowable for your aircraft, or you may enter a specific Ramp Fuel weight in pounds (lbs).



*NOTE: By default, the **Max Trip Fuel** toggle switch is turned **OFF**.*



NOTE: Before entering a Ramp Fuel value, the Max Trip Fuel toggle switch must be OFF.

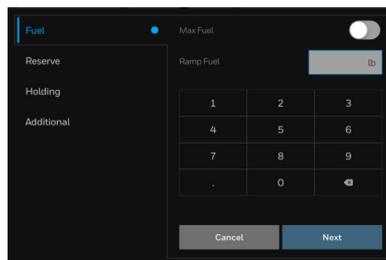


Figure 7-9: Primary Fuel

- Tap the **Reserve** (**Reserve**) tab to change the desired reserve fuel based on weight, time, or contingency.

The **Weight** (**Weight**) tab allows for a manual entry of fuel in pounds.

The **Time** (**Time**) tab allows for fuel calculations by 15-minute increments up to 60 minutes.

The **Contingency** (**Contingency**) tab allows for calculations using a selectable combination of percentage of fuel burn, holding time, and percentage of alternate.

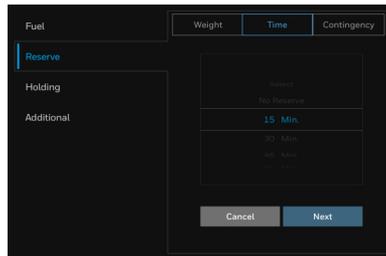


Figure 7-10: Reserve Fuel Tab

- Tap the **Holding** (**Holding**) tab to change the holding time in 15-minute increments up to 60 minutes.



NOTE: The **Holding** (**Holding**) tab is disabled when Reserve Contingency has been selected.

- Tap the **Additional** (**Additional**) tab to enter any additional fuel.



TIP: You may also choose to create a flight plan without specifying any fuel values. Simply leave the Fuel tab empty – only specifying Reserve, Holding, or Additional fuel values – and Flight Bag Pro will calculate the amount of fuel required based on the flight plan parameters.

FLIGHT LEVEL

1. Tap the **Flight Level** (**Flight Level**) form field to enter the desired en route flight level.



TIP: By default, the Flight Level will automatically be set to Optimize FL (OPT) and Flight Bag Pro will calculate the best flight level for optimum aircraft performance based on the route and winds.

2. Tap the **OK** (**OK**) button to close the popover menu.

DATE AND TIME (DEPARTURE)

When creating a new flight plan, the **Date & Time** (**Date & Time**) form field defaults to one hour in the future from the minute you began creating the flight plan.

Changing the Date and Time

1. Tap the **Date & Time** (**Date & Time**) form field.
2. Select the desired date from the calendar, then tap the **Next** (**Next**) button.
3. Scroll to select the desired time and format (Local or Zulu).
4. Tap the **OK** (**OK**) button to close the popover menu.



NOTE: You may only create a flight plan up to 14 days in the future. Also, be aware of the Time setting, as Zulu time format can affect this 14-day window.

SELECTING A ROUTE

After specifying Departure and Destination airports, you may select a route by tapping the **View Routes** (**View Routes**) button. Flight Bag Pro will then display a modal window, which contains a list of available routes.

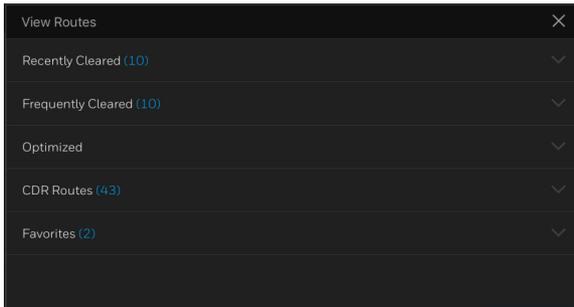


Figure 7-11: View Routes Modal Window

Each route category (Recently Cleared, Frequently Cleared, etc.) will display a number to indicate how many routes are available in that category. Categories only appear if routes are available.

Viewing and Comparing Routes

With Flight Bag Pro, it's easy to compare up to five routes and select the one that works best for your schedule and/or budget.

1. With the **View Routes** (**View Routes**) modal window open, tap a category to expand the menu and see a list of available routes.
2. Tap the **View** (**View**) button next to any route to display the route on the map.

Each route is color-coded so you can easily compare routes.

3. Tap the **Hide** (**Hide**) button to hide the route from the map.
4. Tap the **Select** (**Select**) button to choose the route you would like to use for your flight plan.



TIP: Tapping on the waypoints on a route will display the fix names and associated latitude and longitude information.

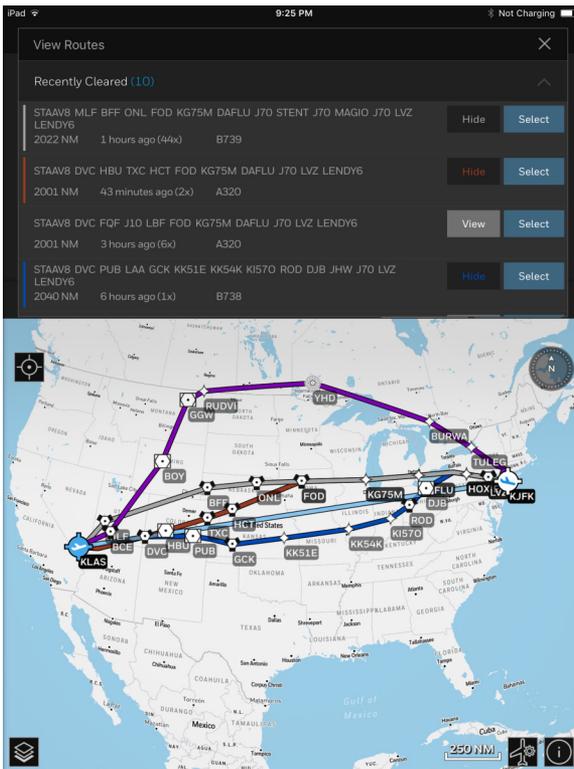


Figure 7-12: Viewing and Comparing Routes on the Map

Creating and Editing a Custom Route

Flight Bag Pro allows you to manually enter a customized route or edit an existing route via the **Route** form field.

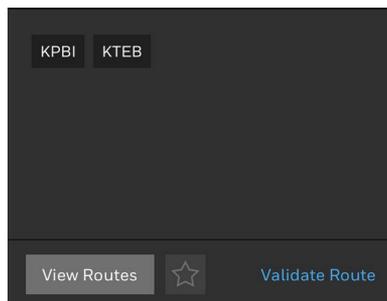


Figure 7-13: Route Form Field

After specifying a Departure and Destination airport:

1. Tap and long press on the Route box.
2. Tap and move the cursor between the Departure and Destination ICAO codes.
3. Begin typing route fixes between the Departure and Destination.
4. Tap the **Return** key on the keyboard to finish manually creating a route.



*NOTE: To make changes, simply tap and long press in the **Route** box again to begin editing. The Route box uses standard iOS input controls, so you can tap and hold on a waypoint or airway to highlight to cut, paste, or delete by pressing the **Backspace** key on the keyboard.*

5. Tap **Delete**.

A fix can also be deleted by tapping **Backspace** on the keyboard.

COPYING/PASTING A ROUTE FROM OUTSIDE OF FLIGHT BAG PRO

Flight Bag Pro also allows you to copy and paste a route from an external source, such as a website, email, or message.

1. Copy the route from your external source.
2. Long press on the **Route** box until the **Paste** button is displayed.
3. Tap the **Paste** button to paste the route.



TIP: You can also use native iOS controls to copy the route from the Route box to paste the route into an email, message, or document outside of Flight Bag Pro.

Validating a Route



*NOTE: After you manually create a route, the **Validate Route** (Validate Route) button is displayed below the Route box. A customized route must always be validated to ensure the route matches proper flight plan connections between waypoints, airways, etc.*

1. Tap the **Validate Route** (Validate Route) button.

Valid Route (Valid Route) indicates a valid route with valid connections.

Invalid Route (Invalid Route) indicates the route contains invalid connections and requires additional editing before you may proceed with computing the flight plan.

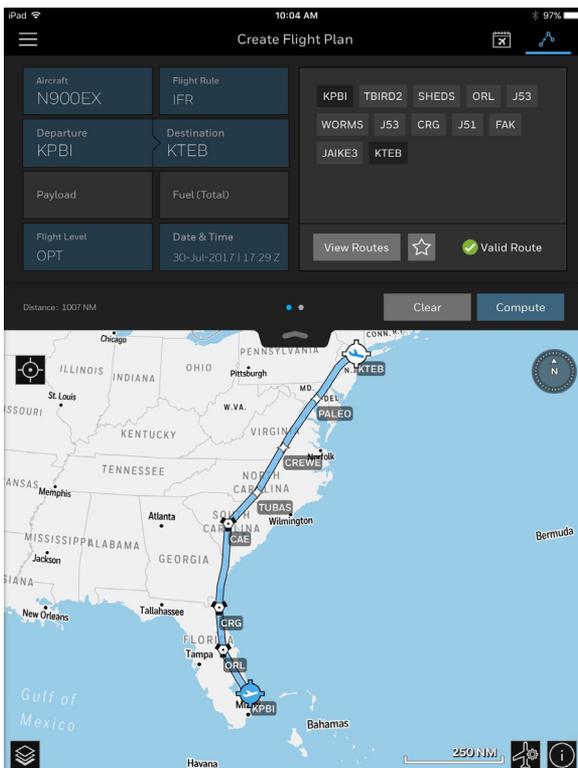


Figure 7-14: Valid Route

Favorite Routes

After selecting a route or creating a customized route, you can favorite the route for future reference.



*TIP: In the MyGDC iPad app, these routes were referred to as **User Defined Routes**.*

TO CREATE A FAVORITE ROUTE:

1. Ensure the route selected or created is valid.
2. Tap the  (**Star**) icon.

The  (**Star**) icon turns blue and the route is now saved as a Favorite Route.

TO ACCESS YOUR FAVORITE ROUTES:

1. Tap the **View Routes** (View Routes) button.
2. Expand the Favorite Routes category in the **View Routes** modal window.

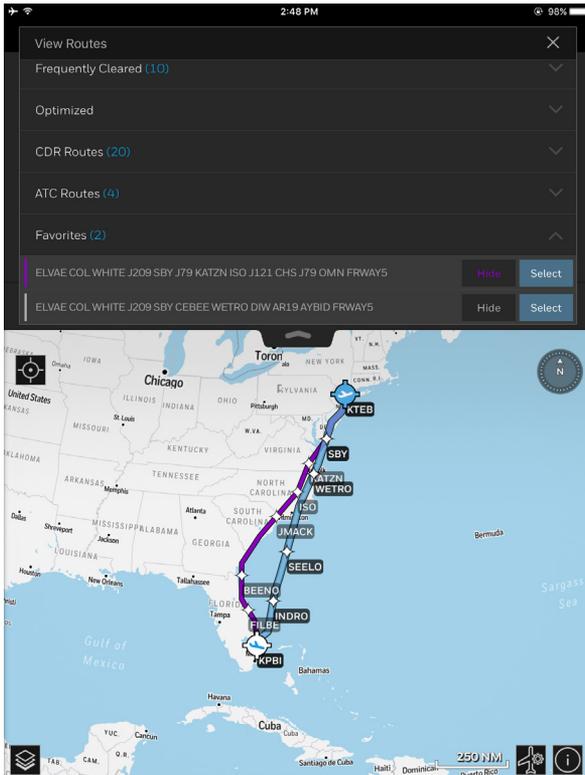


Figure 7-15: Favorite Routes

EUROCONTROL Routes

For flights that will enter one of the 41 EUROCONTROL member-countries, flight plans can be filed with the EUROCONTROL Network Manager Operations Centre.



NOTE: You must allow for a minimum of three hours before your Departure Time to obtain a validation of the selected route.

SELECTING A PROCEDURE

After selecting a route, you may customize it by adding or changing the departure and/or arrival procedure(s).

Adding a Procedure

1. Tap the departure or destination airport in the route box.

A popover menu is displayed with an option to Add Procedure.

2. Tap the **Add Procedure** (**Add Procedure**) button.

The **View Procedures** modal window is displayed, which lists all of the available departure and arrival procedures. The list contains the SID and/or STAR name, transition, and transition cardinal direction.

3. Tap the **Select** (**Select**) button to add the desired procedure to the route.



NOTE: Repeat steps 1 through 3 to add an additional procedure.



CAUTION: After adding a procedure, you must validate the route to ensure the route matches proper flight plan connections between waypoints, airways, etc.

4. Tap the **Validate Route** (Validate Route) button.

Valid Route (Valid Route) indicates a valid route with valid connections.

Invalid Route (Invalid Route) indicates the route contains invalid connections and requires additional editing before you can proceed with computing the flight plan.

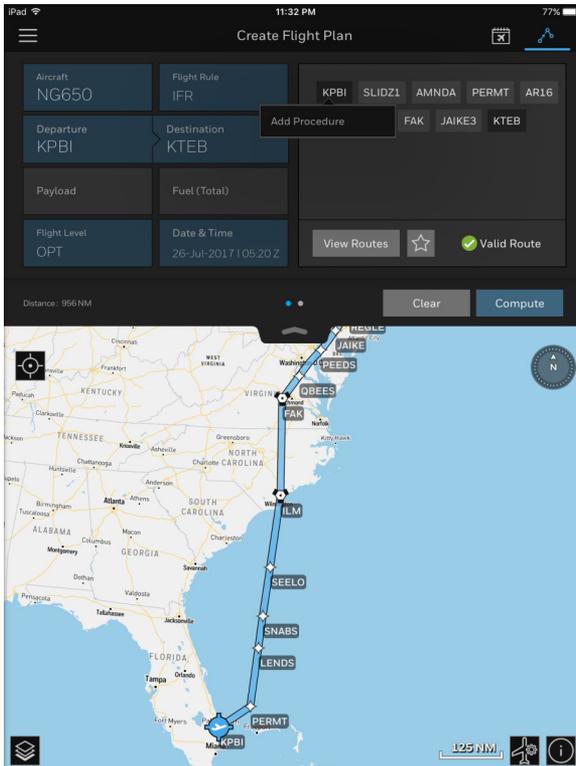


Figure 7-16: Adding a SID or STAR Procedure

Viewing and Comparing Procedures

Before selecting a procedure, you can also view, compare, and review the procedure plate.

With the **View Procedures** modal window open:

1. Tap the **View Plate** (**View Plate**) button next to any SID/STAR to view the Digital Terminal Procedures Publication (d-TPP) of the SID or STAR.
2. Tap the **View** (**View**) button next to any SID/STAR to display the procedure on the map.

Each procedure is color-coded so you can easily compare procedures.

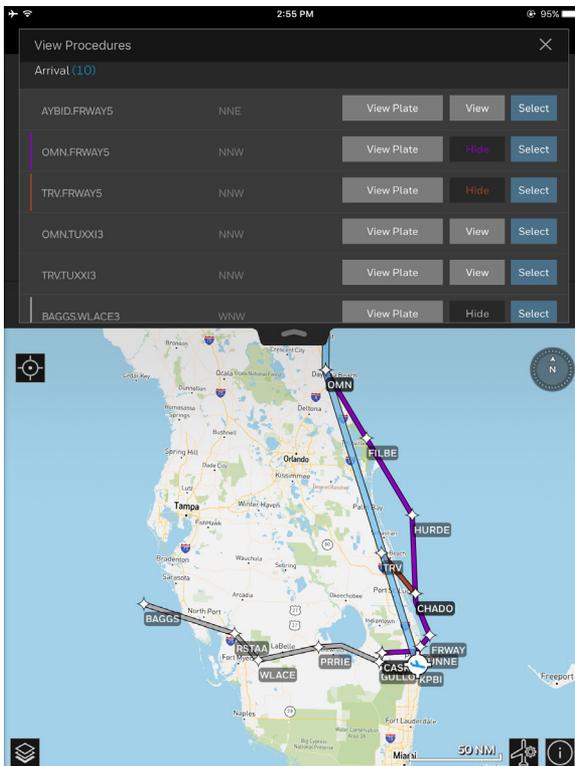


Figure 7-17: View Procedures Modal Window

3. Tap the **Hide** (**Hide**) button to hide the procedure from the map.

ETPS, ETOPS, AND STEP LEVELS

Sliding the flight plan tray to the left reveals another set of options, including the ability to enter Equal Time Points (ETPs) alternates, Extended-range Twin-engine Operational Performance Standards (ETOPS) alternates, Step Levels, and Performance Calculations.

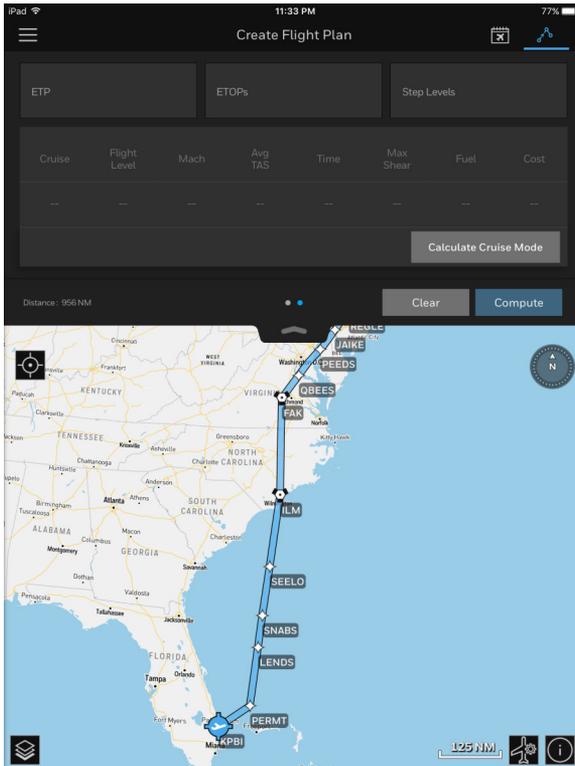


Figure 7-18: Second Screen of Flight Plan Tray

Adding ETPs: Basic and Enhanced

ADDING ETPS

After entering the basic details of your flight plan – including the route:

1. Slide the Flight Plan tray to the left.
2. Tap the **ETP** (ETP) form field.

The ETP popover menu is displayed.



TIP: Add ETP ICAO identifiers in pairs (e.g., a flight between KTEB and EGLL).

3. Tap the **⊕ ETP 1 (Add ETP 1)** button in the top row and enter a valid four-letter ICAO identifier (e.g., CYQX).
4. Tap the **⊕ ETP 1 (Add ETP 1)** button in the bottom row and enter a valid four-letter ICAO identifier (e.g., EINN).
5. For depressurization fuel calculations, tap the Flight Level dropdown box and select an option (FL150, FL100, or None).

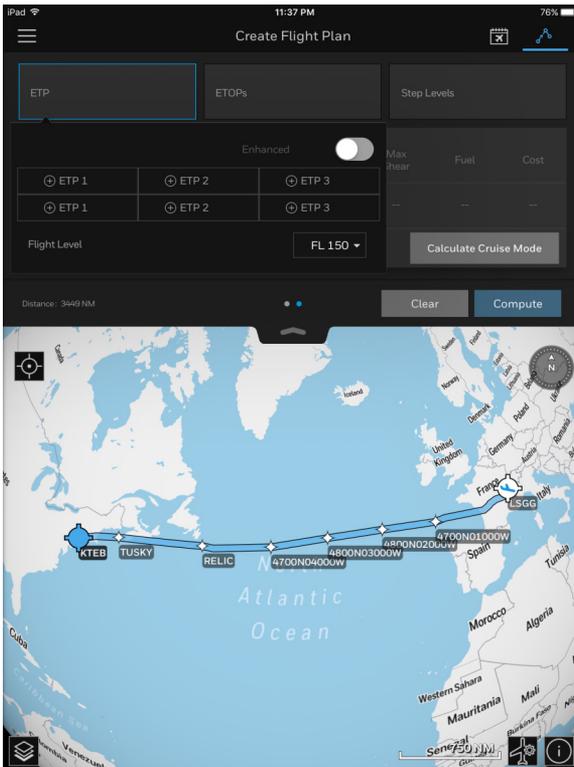


Figure 7-19: Basic ETP Calculation

ENHANCED FUEL CALCULATION

1. Slide the **Enhanced** toggle switch to enable the flight planning engine to perform enhanced fuel calculations.

The ETP popover menu expands to display additional form fields for more granular customization.

2. Tap the **Initial FL** form field and enter the desired flight level using the number pad.
3. Tap the **Final FL** form field and enter the desired flight level using the number pad.
4. Tap the **Oxy Time** form field and enter the time of supplemental oxygen in minutes using the number pad.

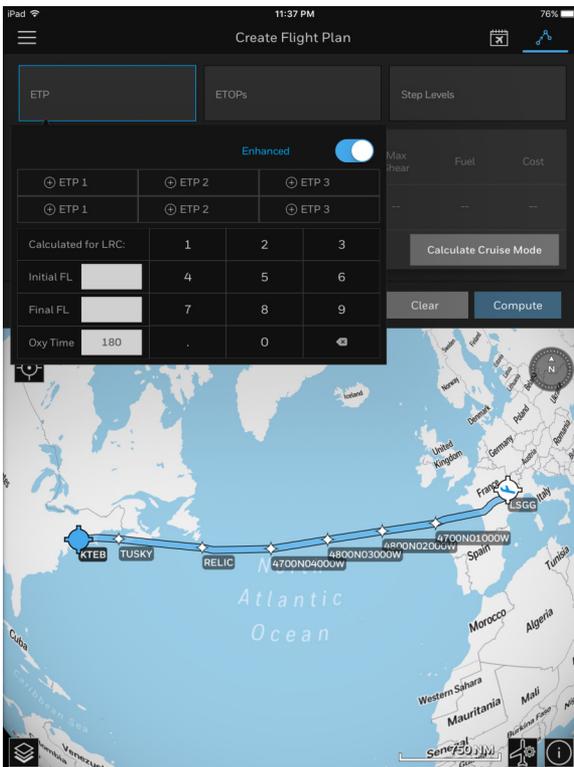


Figure 7-20: Enhanced ETP Calculation

Adding ETOPs

After entering the basic details of your flight plan – including the route:

1. Tap the  (**ETOPs**) form field.
The ETOPs popover menu is displayed.
2. Tap the  (**Add ETOP 1**) button and enter a valid four-letter ICAO airport identifier (e.g., CYQX).
3. Tap the  (**Add ETOPs**) button to enter additional ETOP airports.
4. Slide the  (**Show on Map**) toggle switch to display the range to the ETOP alternate airport on the map.
5. Tap the  (**Minutes**) form field and enter the ETOP certification time in minutes.
6. Tap the  (**TAS**) form field and enter your Single Engine True Airspeed (TAS) in knots.

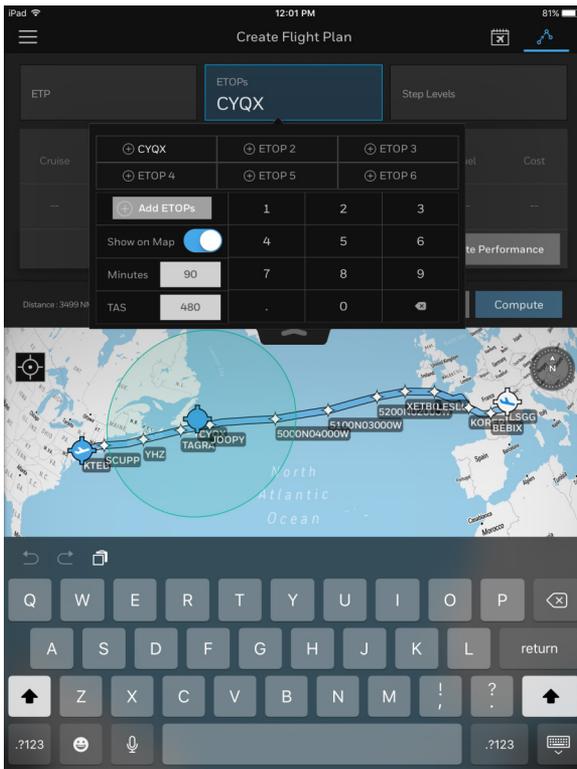


Figure 7-21: ETOPs Menu

Adding Step Levels

Step levels are an easy way to remind a pilot when a higher flight level can be accepted, given the temperature and weight, after a waypoint along a route.

After entering the basic details of your flight plan – including the route:

1. Tap the **Step Levels** (Step Levels) form field.
2. Tap the **Waypoint** (Waypoint) dropdown box to view a list of waypoints along your selected route.
3. Scroll through the list and tap to select the desired waypoint.
4. Tap the **FL** (FL) form field and enter the desired flight level using the number pad.

5. Tap outside of the popover menu to accept the value entered.
6. Tap the **+ Add Step Level** (Add Step Level) button to add additional step levels along your route.

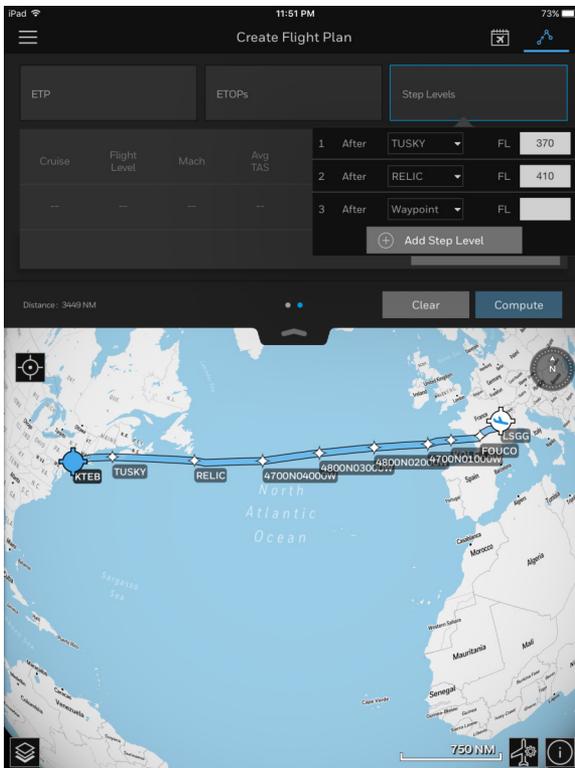


Figure 7-22: Step Levels Popover Menu

CALCULATING AIRCRAFT PERFORMANCE

Aircraft performance calculations are based on the performance data contained in your Aircraft Profile. This data can be adjusted, as necessary, to help you calculate expected flight times, fuel burns, and operational cost as precisely as necessary.

To manage your Aircraft Profile performance settings, visit the GoDirect Flight Services website at www.flightservices.honeywell.com.

Default Cruise Modes

- **High Speed Cruise (HSC)** – The highest speed allowed per the Aircraft Profile settings.

- **Aircraft Mach Speed** – Performance is based on the Mach speeds provided in the Aircraft Profile settings.
- **Long-Range Cruise (LRC)** – Maximizes the distance your aircraft can fly when performing calculations. Cruise speed will typically be slower.
- **Optimized Flight Level** – The flight level will be optimized to take advantage of the selected cruise mode.



TIP: The Default Cruise Mode settings used by Flight Bag Pro can be adjusted via your Aircraft Profile. For example, you may only want to calculate your performance for Long Range Cruise for every flight instead of calculating for Long Range Cruise, High Speed Cruise, and a specific Mach Speed.

Adding a Cruise Mode

After entering the basic details of your flight plan – including the route:

1. Slide the **Flight Plan** tray to the left.
2. Tap the **Calculate Cruise Mode** button.

Flight Bag Pro will automatically begin calculating your aircraft performance based on the default cruise modes in your Aircraft Profile.



TIP: The fewer default cruise modes you have in your Aircraft Profile, the quicker Flight Bag Pro can calculate your aircraft performance.

After the calculations are finished, you can begin making adjustments.

3. Tap the desired cruise dropdown menu to select a new Cruise Mode.
4. Tap the desired FL form field and enter a flight level using the number pad.

After you enter three digits for the flight level, Flight Bag Pro recalculates your aircraft performance.



*TIP: The **FL** (Flight Level) form field will default to **OPT** (Optimized), which will provide you with the most optimal flight level based on the Cruise Mode you have selected.*

- Tap the **Select** (Select) button to choose the Cruise Mode performance calculations you would like to use.



*NOTE: After making a selection, you can tap the **Edit Cruise Mode** button to adjust your previous calculations should you need to make changes.*

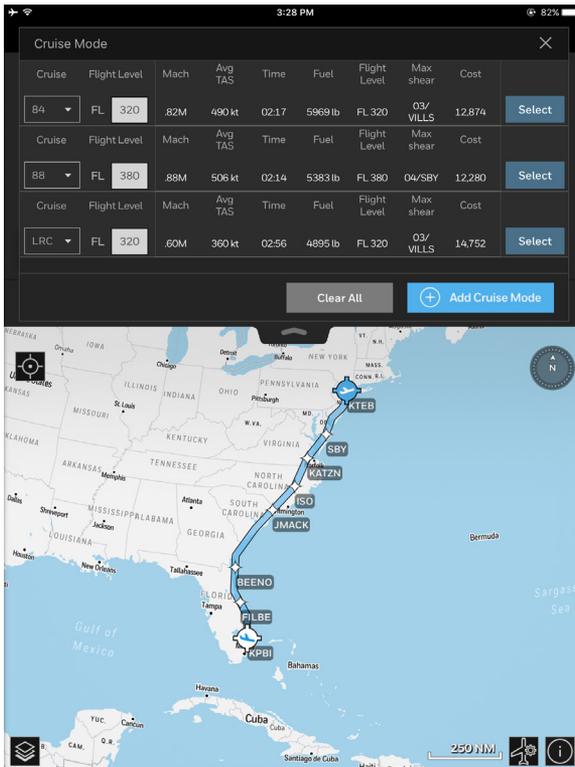


Figure 7-23: Cruise Mode Modal Window

Comparing Cruise Modes

Flight Bag Pro allows you to conduct performance calculations for multiple cruise modes so you can choose the most efficient flight by comparing Mach speed, true airspeed (TAS), flight level, time, fuel cost (of the trip), and more.

COMPUTING A FLIGHT PLAN

Once you've entered the details of your flight plan, it's time to compute the flight plan.

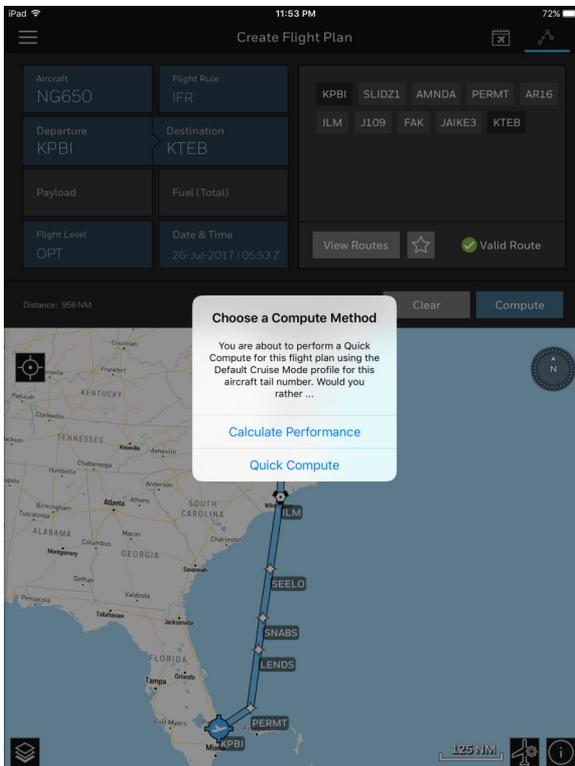
1. Tap the **Compute** (Compute) button.

An alert message is displayed, asking to confirm a **Quick Compute** or select **Calculate Performance**.



TIP: *Calculate Performance* allows you to select a customized cruise speed and altitude.

Quick Compute allows you to conveniently use default settings already provided in your MyGDC profile.



**Figure 7-24: Calculate Performance/
Quick Compute Alert Message**

After the flight plan has been computed, a PDF document is displayed that contains all of the details for the flight plan.

2. Tap the **Continue** (**Continue**) button to add the flight plan to a Trip Kit.



*NOTE: You may change the format of the flight plan document by tapping the **Format** dropdown box in the upper-right corner of the screen.*

Editing a Flight Plan

If you would like to make changes, tap the **Edit Flight Plan** (**Edit Flight Plan**) button to go back and begin editing the parameters you previously entered.



CAUTION: When editing a flight plan, you must redo the Cruise Mode performance calculations before re-computing the flight plan.

Re-Compute

To update flight plan data with current winds and temperature, tap the **Re-Compute** (**Re-compute**) button directly from the Flight Schedule page.

Internet Connectivity Requirements



CAUTION: Flight Bag Pro requires Internet connectivity to perform the following actions.

- Creating, editing, or filing a flight plan
- Conducting Cruise Mode performance calculations
- Downloading the latest routes
- Downloading, updating, or viewing charts, navigation databases, weather information, or airport information
- Generating and downloading Trip Kits

FILING A FLIGHT PLAN

You can easily file your flight plan directly with Air Traffic Control (ATC) from your Trip Kit or from any flight plan tile on the Flight Schedule screen.

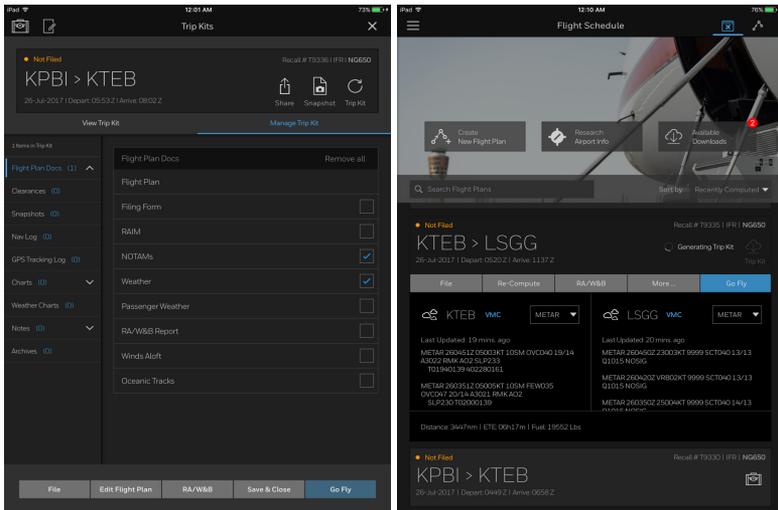


Figure 7-25: Filing Trip Kit

Completing the Filing Form

1. Tap the **File** (File) button from within a Trip Kit or from an expanded flight plan tile on the Flight Schedule screen.

The Filing Form is displayed for your flight plan.

2. Tap each line item to begin filling out the applicable information for your Aircraft Details, Flight Details, Pilot-in-Command (PIC) Details, and more.



CAUTION: *Flight Bag Pro will not allow you to submit your filing until you have filled out all required fields in the Filing Form.*

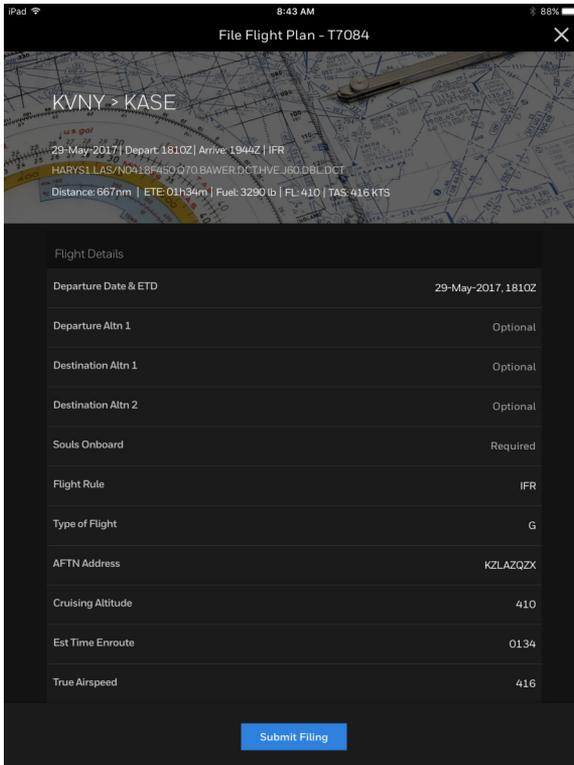


Figure 7-26: Filing Form Flight Details

3. Tap any desired Notifications toggle switches to turn on notifications related to your flight plan filing.



NOTE: *You must specify the Notification Delivery Methods for any notifications you have selected using the toggle switches.*

4. For flights departing or arriving within the EUROCONTROL region, you may file your flight plan directly to the Integrated Initial Flight Plan Processing System (IFPS) for validation by sliding the IFPSRA  toggle switch to the right in the ATC Remarks section. Selecting IFPSRA in the ATC Remarks field allows EUROCONTROL to correct errors or amend the filed route.

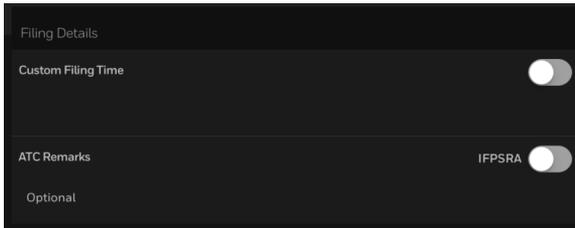


Figure 7-27: IFPSRA Toggle Switch

5. Tap the  (**Add**) button to enter information regarding your phone SMS (text messaging), email address, and/or fax.

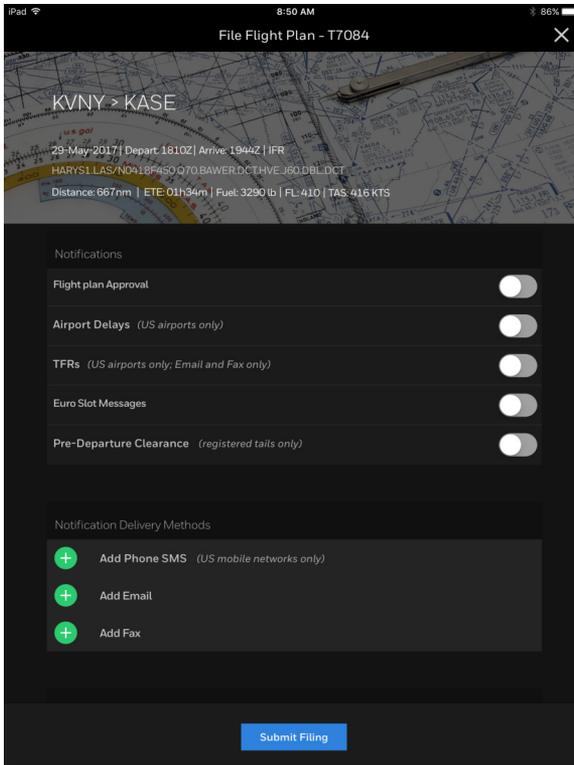


Figure 7-28: Flight Plan Notifications

Submitting a Flight Plan

After filling out the required and desired optional information in the filing form, you're now ready to submit your filing.

1. Tap the  (**Submit Filing**) button.

Your flight plan is submitted and filed with ATC. You may customize the Filing Time on the Filing Form prior to submission.



CAUTION: The status of your flight plan filing is displayed on each flight plan tile on the Flight Schedule screen, as well as on your Trip Kit. This status will be updated pending approval from ATC.

Pre-Departure Clearances (PDCs) are displayed in the trip Kit for your flight plan.

TRIP KITS

Trip Kits allow you to store all of the important documents related to your flight plan. You can easily add and remove documents from your Trip Kits based on your specific needs.

The list of document categories available in a Trip Kit are:

- Flight Plan Docs
- Route Weather Brief (included in Trip Kit only when this option is enabled via the GoDirect Flight Planning website)
- Clearances
- Winds Aloft
- Snapshots
- Nav Log
- GPS Tracking Log
- Charts
- Weather Charts
- Notes
- Archives

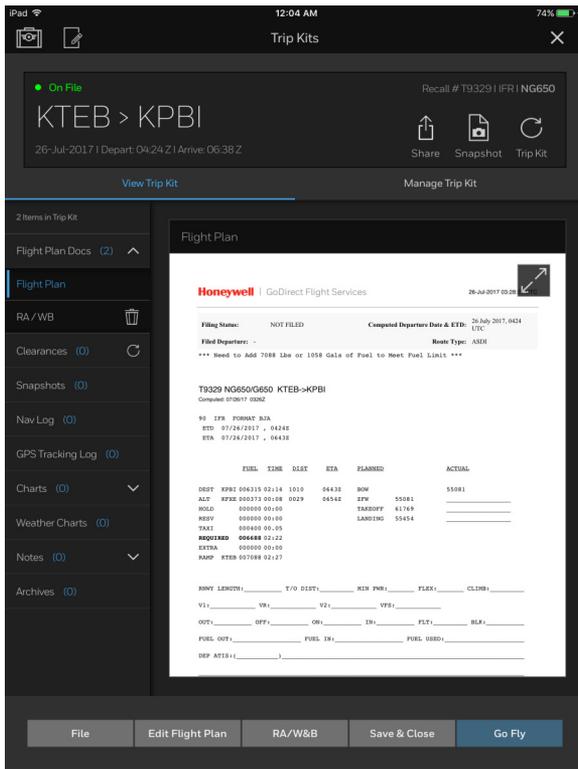


Figure 7-29: Trip Kits Screen (Portrait Device Orientation)

Creating and Managing a Trip Kit

After creating a new flight plan, Flight Bag Pro will automatically create a Trip Kit in the GoDirect Flight Services cloud and begin downloading. By default, the Trip Kit will include the computed flight plan documented in the format of your choice.



NOTE: You must change your flight plan format after computing your flight plan prior to tapping the **Continue** (Continue) button to create the Trip Kit. Once the flight plan document is created, you cannot change the format.

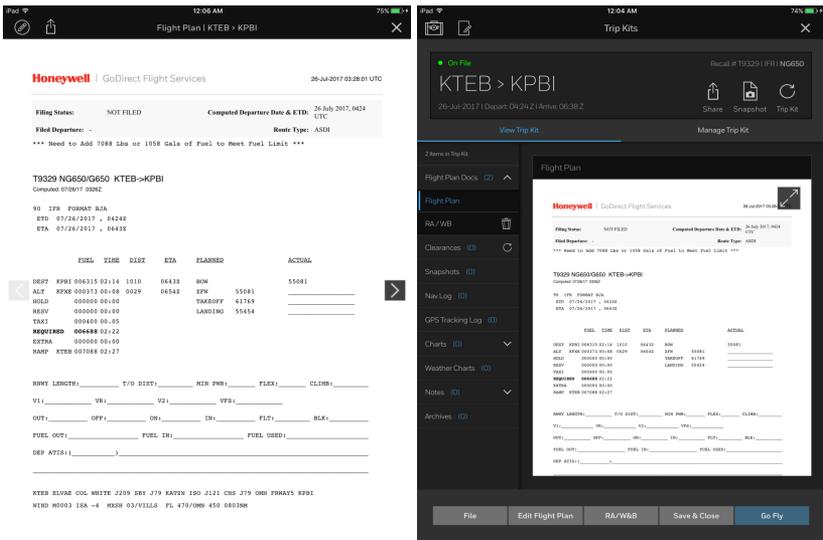


Figure 7-30: Creating a Trip Kit



NOTE: Any changes made while Managing a Trip Kit require you to regenerate and download the Trip Kit.

ACCESSING A TRIP KIT FROM THE FLIGHT SCHEDULE SCREEN

Downloading a Trip Kit for Offline Viewing

If the Trip Kit has not been generated and downloaded:

1. Tap the  (Download Trip Kit) icon on the desired flight plan tile.

The Trip Kit will generate in the GoDirect Flight Services cloud and begin downloading.

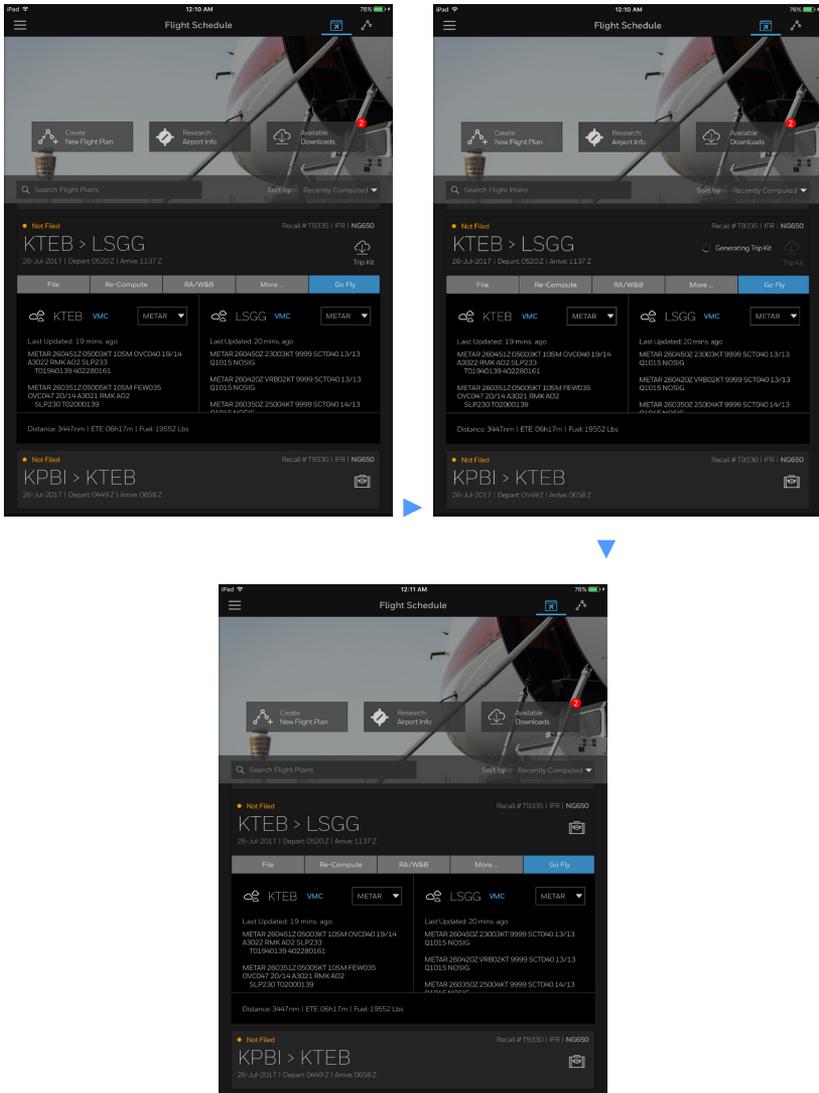


Figure 7-31: Generating & Downloading a Trip Kit From the Flight Schedule Screen

Once a Trip Kit has been downloaded:

1. Tap the  (**Trip Kit**) button from the desired flight plan tile. The Trip Kit is displayed.

Accessing the Trip Kits Screen via the Flight Schedule Screen

1. Tap the  (**Flight Schedule**) button.
2. Tap the  (**Trip Kit**) button to access the Trip Kit screen.

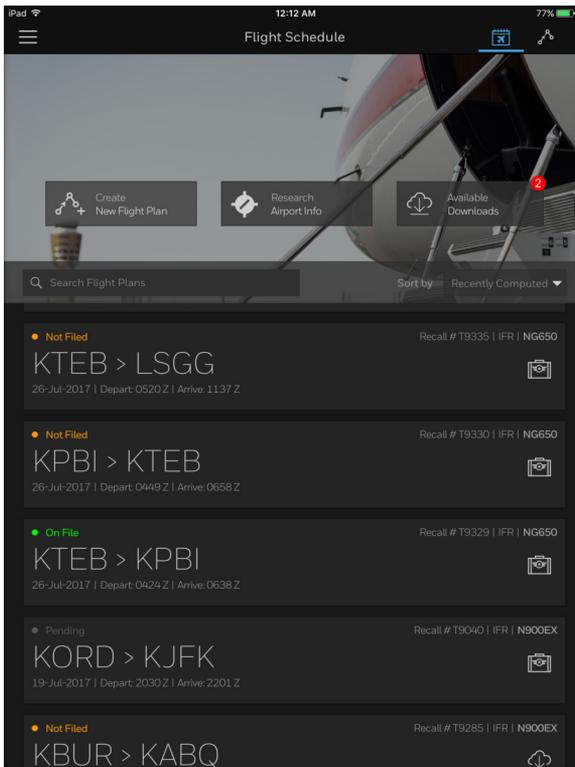


Figure 7-32: Flight Schedule Screen



NOTE: If necessary, tap the  (**Download Trip Kit**) button first to download the Trip Kit in order to display the



(Trip Kits) button.

ACCESSING A TRIP KIT FROM THE TOOLS MENU

1. Tap the  (Tools Menu) button.
2. Tap the  (Trip Kits) button to display the Trip Kits view.
3. Tap the  (Trip Kit Library) button to display the Trip Kit Library side menu.

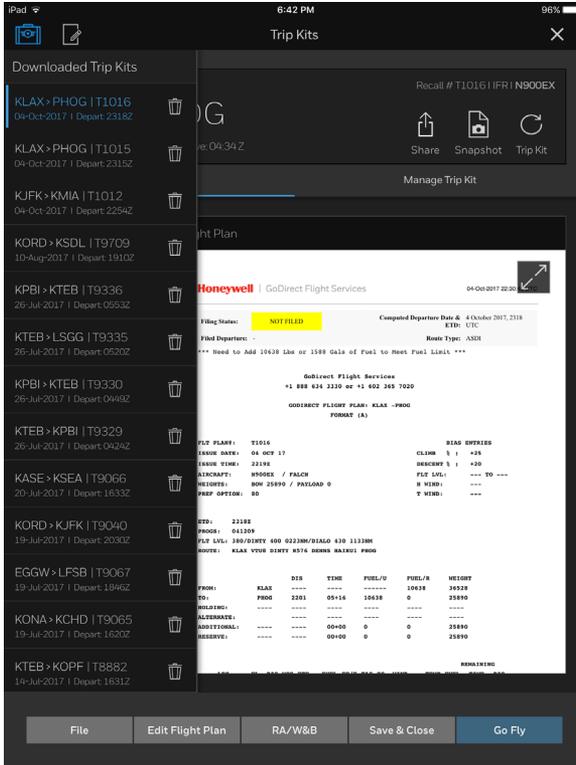


Figure 7-33: Trip Kits Screen (Portrait Device Orientation)

4. Tap the desired Trip Kit from the list to load and display the Trip Kit.

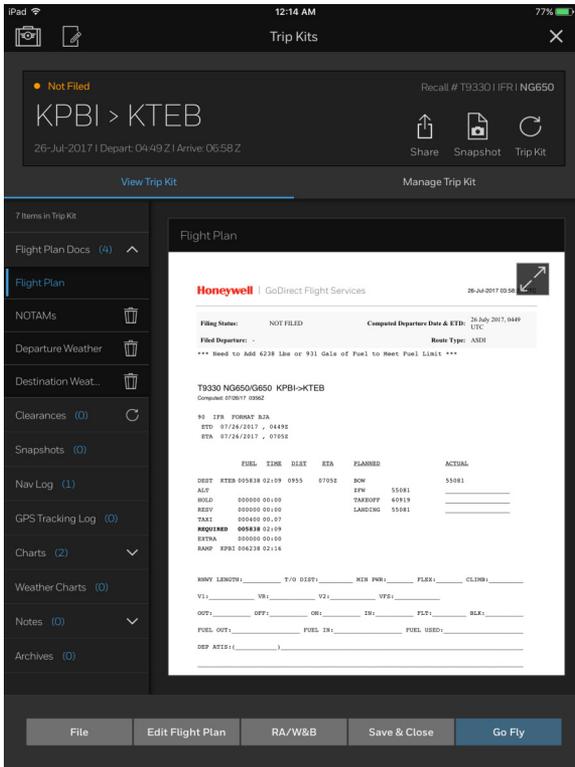


Figure 7-34: Trip Kit Loaded



NOTE: When your iPad orientation is changed to landscape, the **Trip Kits Library** side menu is always open, allowing you to conveniently switch between your Trip Kits.

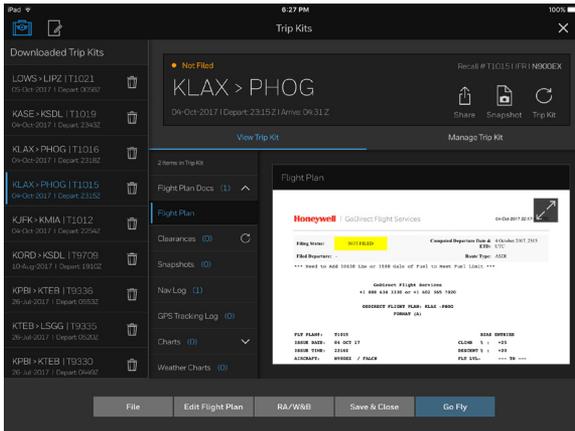


Figure 7-35: Trip Kits Screen (Landscape Device Orientation)

ADDING DOCUMENTS TO A TRIP KIT

1. Tap the **Manage Trip Kit** (Manage Trip Kit) tab to display a list of Trip Kit document categories in the side menu.
2. Tap the desired category from the menu (e.g., **Flight Plan Docs**, **Snapshots**).

The desired category will be displayed on the right side of the screen containing a list of sub-categories and/or documents that can be added to the Trip Kit.

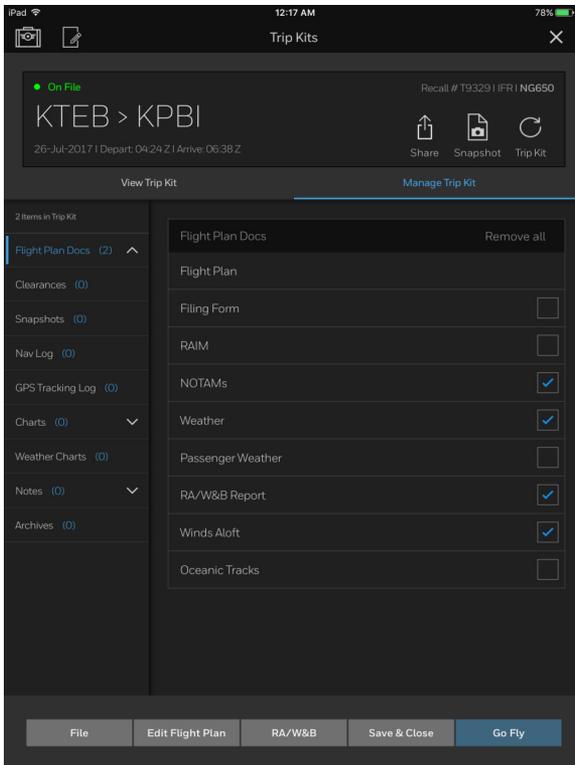


Figure 7-36: Trip Kit Document Categories

3. Tap the  (**Check**) box next to the desired document.
- A  (**Blue**) checkmark is displayed in the checkbox when selected.
4. Tap the  (**Save & Close**) button to add the document to the Trip Kit.



NOTE: While viewing the Manage Trip Kit tab, several categories in the side menu do not allow for managing, such as **Snapshots**, **Nav Log**, **GPS Tracking Log**, **Notes**, or **Archives**.

DELETING DOCUMENTS FROM A TRIP KIT

There are three ways to delete documents from a Trip Kit:

Method 1:

1. Tap the category you want to expand.

2. Tap the  (**Delete**) button on the document you would like to delete from the list.

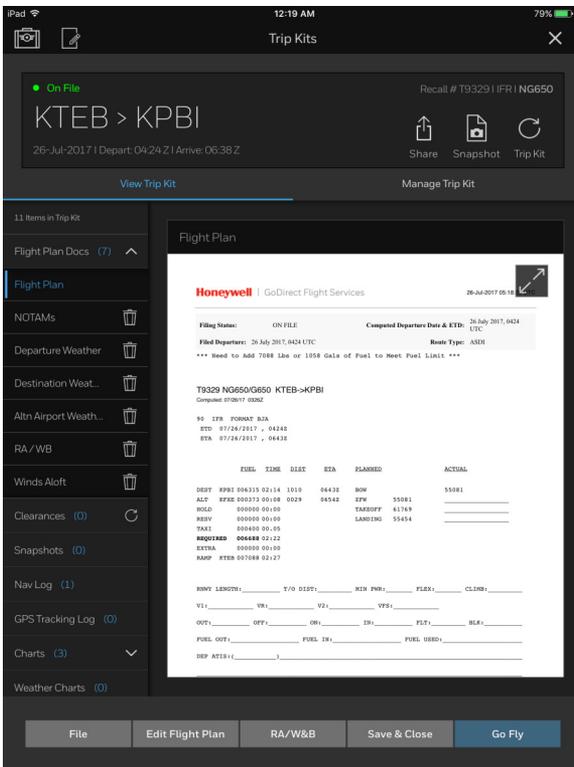


Figure 7-37: Deleting a Document

Method 3:



NOTE: Method 3 only pertains to Snapshots and Weather Charts.

1. Tap on either the **Snapshots** or **Weather Charts** category.
2. Long press on a thumbnail image.

A  (**Delete**) button appears on the thumbnail image.

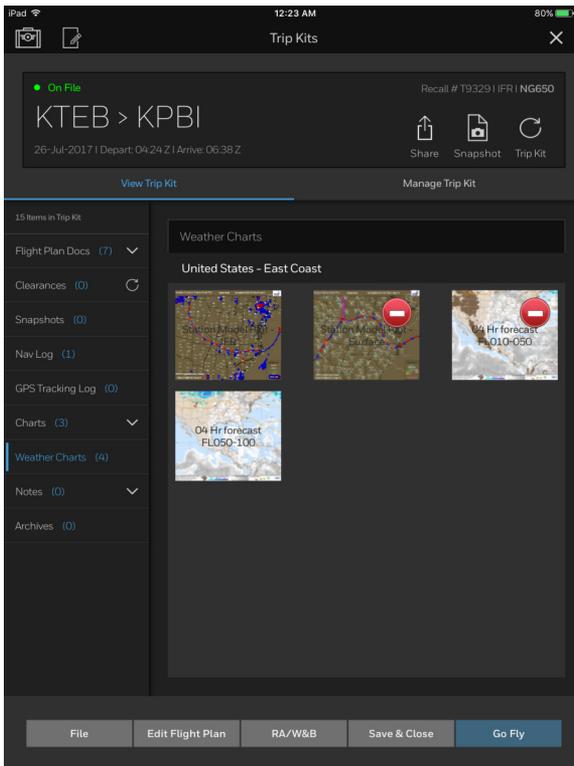


Figure 7-40: Deleting a Thumbnail

3. Tap the  (**Delete**) button.

The thumbnail image is deleted from the Trip Kit.

4. Repeat steps 2 through 3 to delete additional images.

ADDING SNAPSHOTS TO THE TRIP KIT

1. Tap the  (**Snapshot**) button in the flight plan tile at the top of the screen

The flight plan route is displayed on a map.



*TIP: Turn on Weather overlays and/or rotate the map while taking snapshots to get the most out of the **Snapshot** tool.*



Figure 7-41: Initiating the Snapshot Tool From the Trip Kit

The **Snapshot File Saving** modal window is displayed, allowing you to change the Snapshot file name.

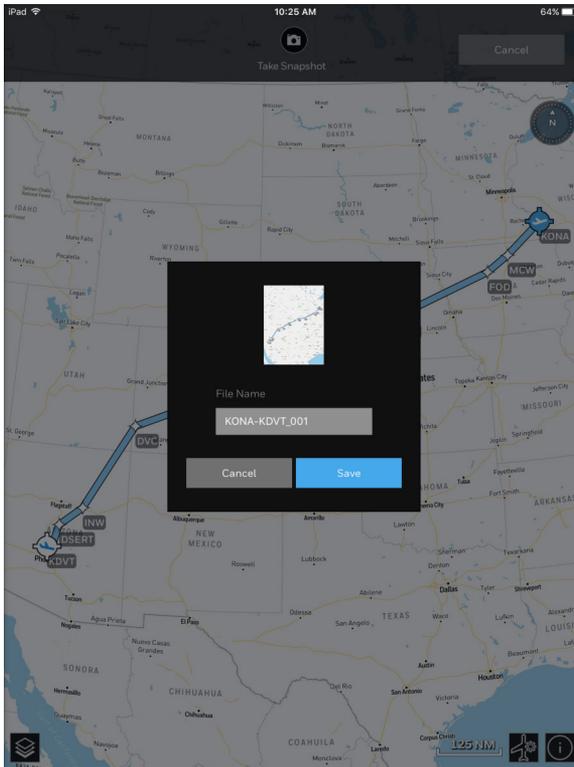


Figure 7-42: Snapshot File Saving Modal Window

2. Tap the **Save** (Save) button.

The Snapshot is saved to the Trip Kit.

3. Repeat steps 1 through 2 to continue taking additional snapshots.
4. When you are finished taking snapshots, tap the **Cancel** (Cancel) button to return to the Trip Kit.

Refreshing the Trip Kit

After adding documents while managing the Trip Kit, you must refresh the Trip Kit. This regenerates the Trip Kit on the GoDirect Flight Services cloud and re-downloads the new Trip Kit to your device for offline viewing.

You can refresh the Trip Kit in two different ways:

Using the Refresh Trip Kit button:

1. Tap the  (**Refresh Trip Kit**) button on the flight plan tile at the top of the Trip Kit screen.

The Trip Kit will save and close to display the Flight Schedule screen; the Trip Kit will start to regenerate, then begin downloading automatically.

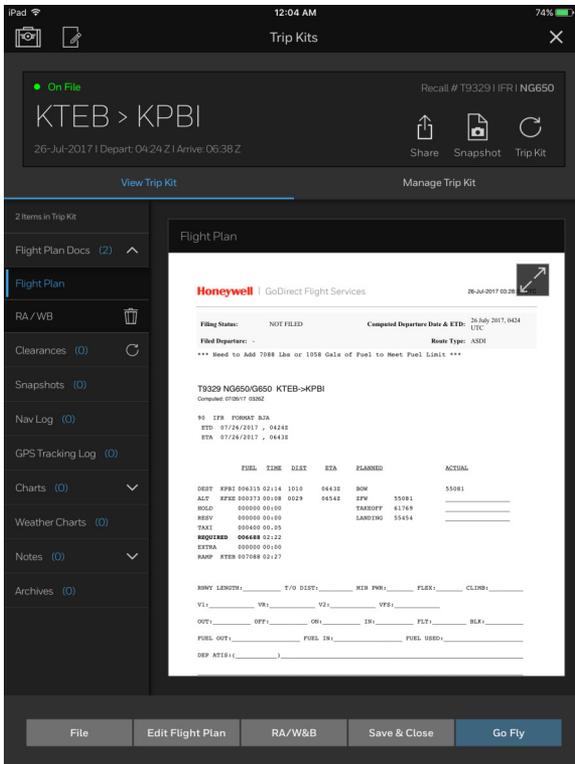


Figure 7-43: Refresh Trip Kit Button



NOTE: If you attempt to close the Trip Kit after making changes and do not Refresh or Save & Close the Trip Kit, Flight Bag Pro will display an alert to remind you to refresh the Trip Kit.

Saving & Closing Trip Kit:

1. Tap the **Save & Close** (Save & Close) button.

The Trip Kit will save and close to display the Flight Schedule screen. The Trip Kit will start to regenerate, then begin downloading automatically.

Deleting a Trip Kit From the Library

There are three ways to delete a previously downloaded Trip Kit from the library.

Method 1:

1. Tap the  (Trip Kit Library) button.
2. Tap the  (Delete) button on the Trip Kit you would like to delete in the list.

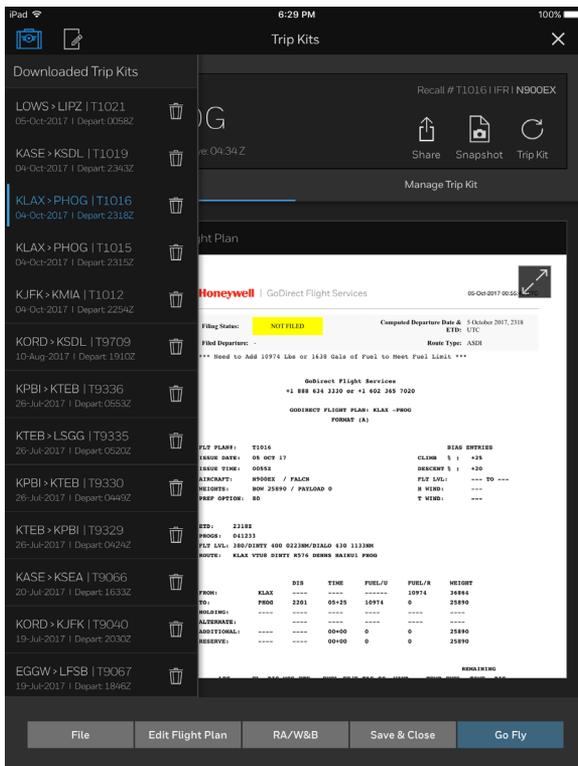


Figure 7-44: Trip Kit Library

An alert message is displayed to confirm deleting the Trip Kit.

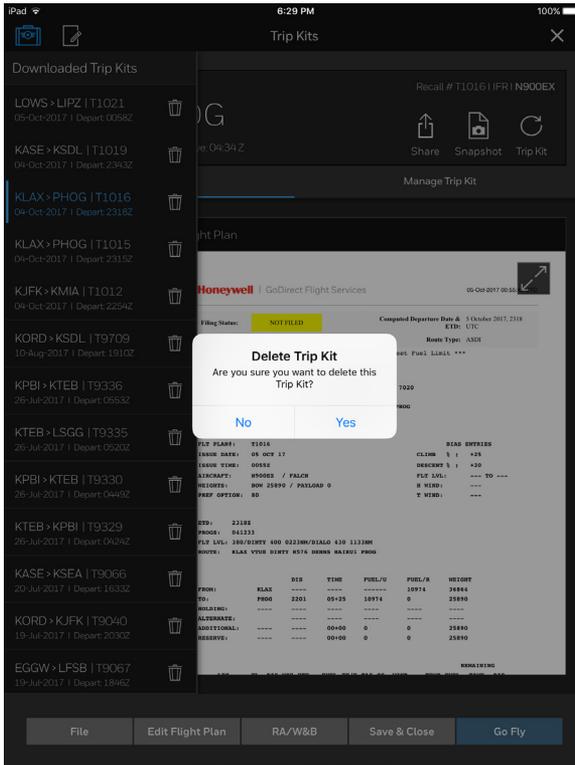


Figure 7-45: Delete Trip Kit Confirmation

- Tap the **Yes** (Yes) button.
The Trip Kit is deleted.

Method 2:

1. Tap the  (Trip Kit Library) button.
2. Swipe left on the Trip Kit you would like to delete in the list.

A **Delete** (Delete) button is displayed.

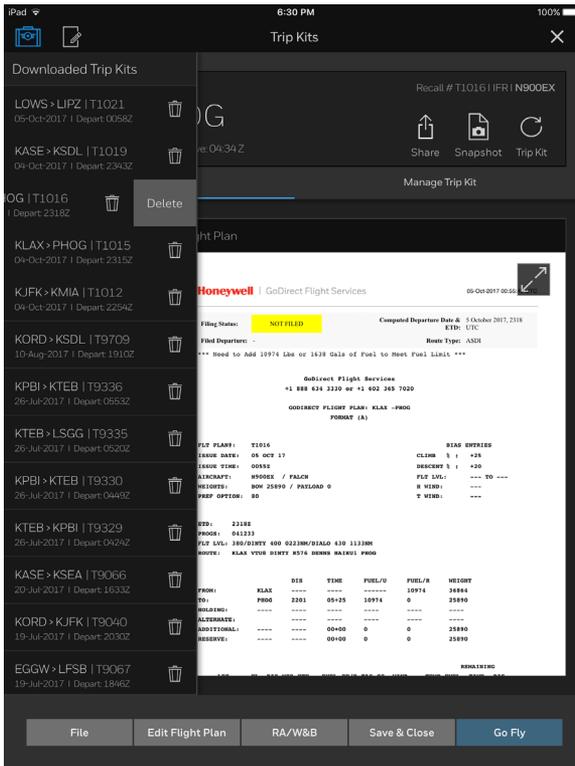


Figure 7-46: Delete Trip Kit Button

3. Tap the **Delete** (Delete) button to delete the Trip Kit.
The Trip Kit is deleted.



NOTE: Method 2 does not display an alert message to confirm deletion of the Trip Kit.

Annotating Documents

Flight Bag Pro allows you to create notes (scratchpad or text) in a Trip Kit as a standalone document or you can add notes within an existing document.

CREATING SCRATCHPAD NOTES

1. Tap the  (**Create New Note**) button to display the **Create a Note** modal window.

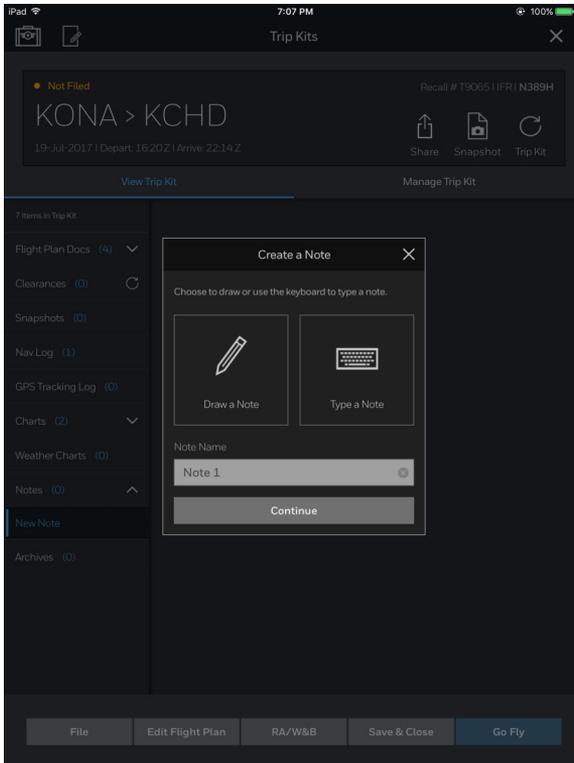


Figure 7-47: Create a Note Modal Window



NOTE: If you do not have any notes already created, you may also tap on the **Notes** category in the left side menu of the Trip Kit and tap the  (**Create New Note**) button displayed in the preview window on the right side of the screen.

2. Tap the  (**Draw a Note**) button.
The **Draw a Note** button highlights blue.
3. Tap in the **Note Name** field to type a new name, or you can leave the default name provided.
4. Tap the  (**Continue**) button.

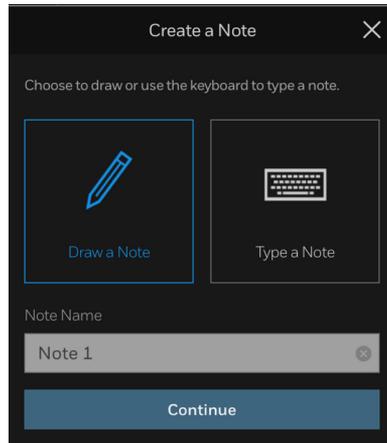


Figure 7-48: Create a Note Modal Window

A new **Scratchpad Note** is displayed with an array of tools to draw notes. You can Write, Highlight, Erase, change the Brush Size, change the Color of the writing tool or highlighter tool, Undo notes one at a time, or Delete all annotations.

5. Use your finger to draw or highlight notes.

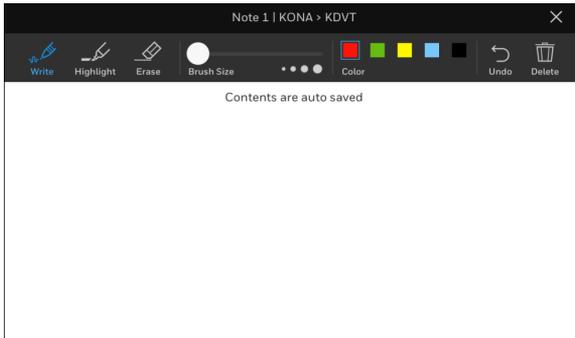


Figure 7-49: Scratchpad Note Drawing Tool



NOTE: As notes are drawn, changes are automatically saved in the note document.

CREATING TEXT NOTES

1. Tap the  (**Create New Note**) button to display the **Create a Note** modal window.
2. Tap the  (**Type a Note**) button.

The **Type a Note** button highlights blue.

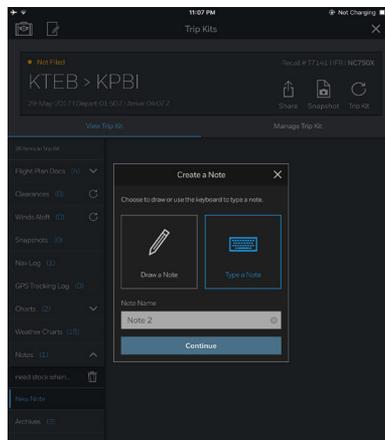


Figure 7-50: Selecting Type a Note

3. Tap in the **Note Name** field to type a new name; or you can leave the default name provided.
4. Tap the **Continue** (**Continue**) button.
A new Text Note is displayed.
5. Begin typing your notes using the keyboard.

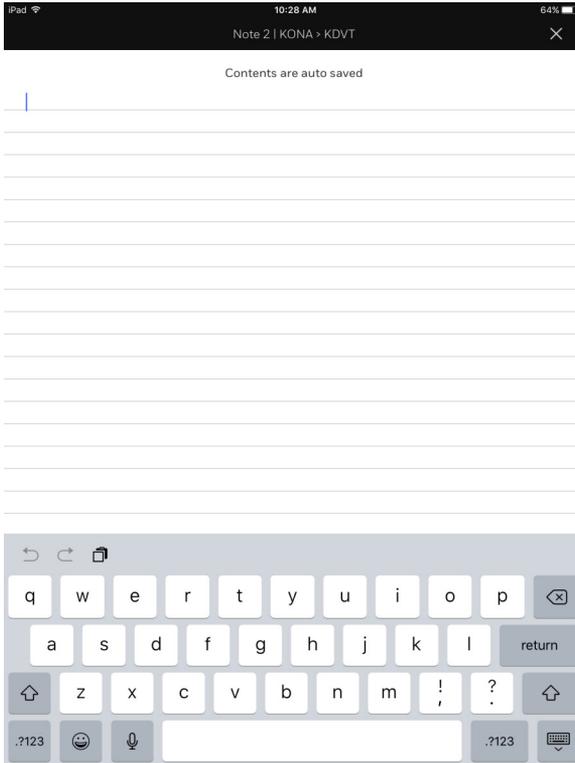


Figure 7-51: Typing a Text Note



NOTE: As notes are typed, changes are automatically saved in the note document.

Annotating a Document

If you would like to take notes on a document (e.g., Flight Plan, Airport Diagram, or Procedure Chart):

1. Tap a document in the Trip Kit document category list.
2. Tap the  (View Fullscreen) button.

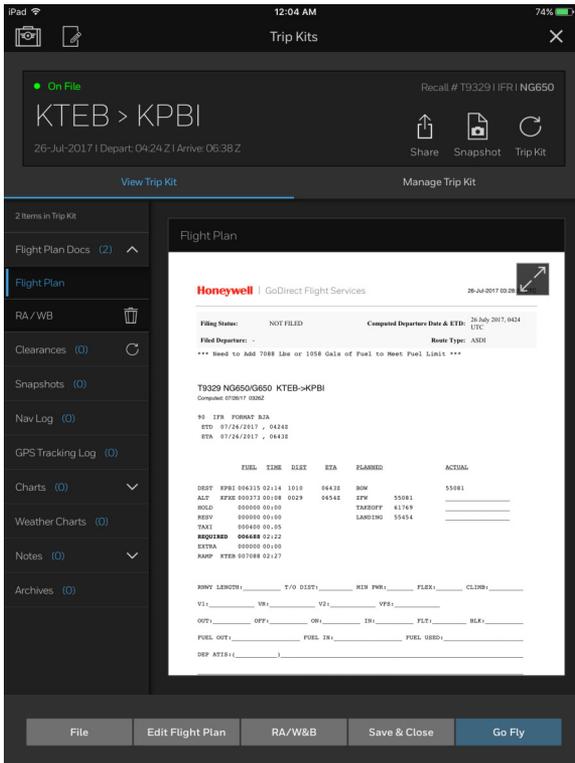


Figure 7-52: Viewing a Document Full-Screen

3. Tap the  (Pencil) button in the top left corner.

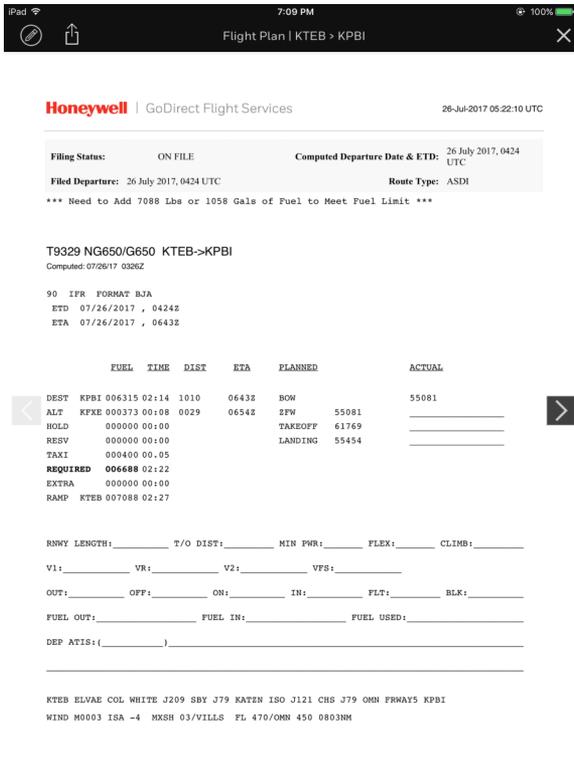


Figure 7-53: Pencil Button

4. Tap the **Save Changes** (Save Changes) button to complete.

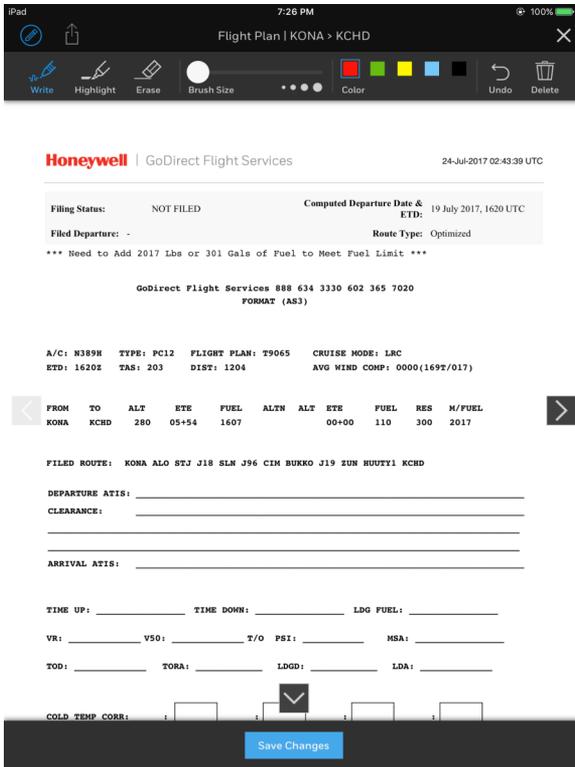


Figure 7-54: Save Changes

5. To share a document, tap the  (Share) button. Tap the **Share with Annotations** (Share with Annotations) menu item to include annotations. Tap the **Share without Annotations** (Share without Annotations) menu item to exclude annotations.

GPS Tracking Log

After recording your GPS Tracking Log during En Route (Go Fly) mode, you can play back and review the log from the Trip Kit.

1. Tap the **GPS Tracking Log** (**GPS Tracking Log**) button in the side menu.

The flight plan route will display on the map. Playback data is displayed for the tracking log.

Nav Log

After recording Nav Log during En Route (Go Fly) mode, you can review the log from the Trip Kit.

1. Tap the **Nav Log** (**Nav Log**) button in the side menu.

Nav Log loads with all entered values displayed.

	Distance (NM)	Altitude (ft x 100)	Time (HHMM)	Fuel (lb)	GS (kts)	Fuel Rem. (lb)	ETA (UTC)
KTEB to ELVAE							
Estimated	021	CLB	0007	0402	299	4991	0202
Actual	22	80	0008	385	248	4900	1314
ELVAE to COL							
Estimated	015	CLB	0002	0108	395	4883	1316
Actual	14	120	0002	111	390	4850	1316
COL to WHITE							
Estimated	019	CLB	0003	0136	416	4747	1319
Actual	20	160	0004	130	420	4720	1320
WHITE to CYN							
Estimated	014	CLB	0002	0098	421	4649	1322
Actual	13	180	0002	90	420	4630	1322
CYN to VILLS							
Estimated	044	CLB	0006	0288	432	4361	1328
Actual	44	280	0006	280	430	4350	1328
VILLS to SBY							

Figure 7-55: Nav Log Screen

ARCHIVES



CAUTION: After re-computing a flight plan, any Notes or Annotations made to documents (e.g., Flight Plan) will need to be saved into an archive or they will be lost.

To create a document archive:

1. Tap the  (**Refresh Trip Kit**) button after making annotations to a document.

An alert message is displayed allowing you to Archive Annotation & Regenerate the Trip Kit, Regenerate (without creating an Archive), or Cancel.

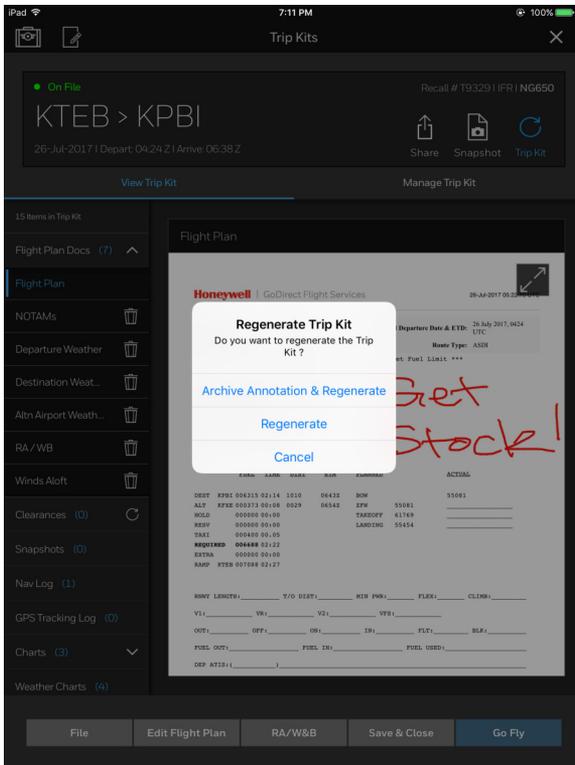


Figure 7-56: Regenerate Trip Kit Confirmation

2. Tap the **Archive Annotation & Regenerate** (**Archive Annotation & Regenerate**) menu item.

The annotated documents are saved to the Archive category.

To delete an archived document:

1. Tap the **Archives** (**Archives**) button category.
2. Long press on a thumbnail image.

A  (**Delete**) button appears on the thumbnail image.

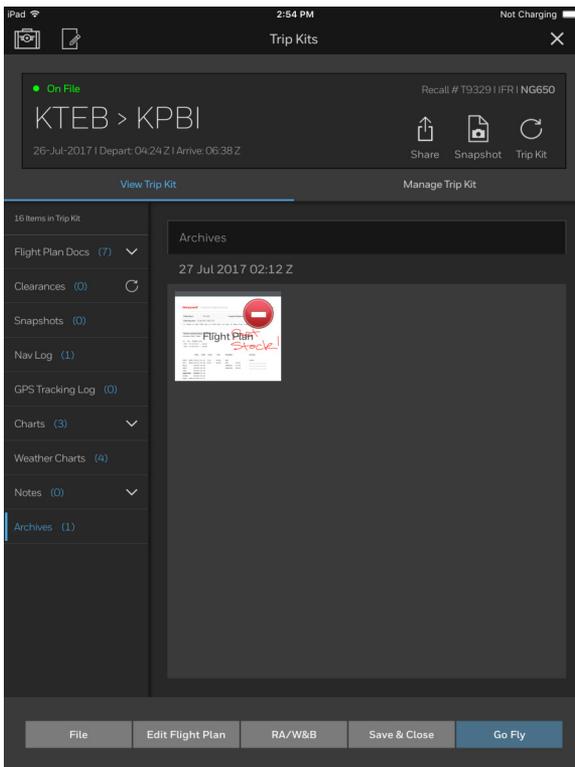


Figure 7-57: Deleting an Archive

3. Tap the  (**Delete**) button.

The document is deleted from the Trip Kit.

Repeat steps 2 through 3 to delete additional archived documents.

DOCUMENT SHARING

The Share feature can be used to share or print documents such as flight plans, NOTAMs, and passenger weather.

Sharing Individual Documents

1. Open a Trip Kit.

2. Tap the  (Share) button to display the Share Trip Kit modal window.

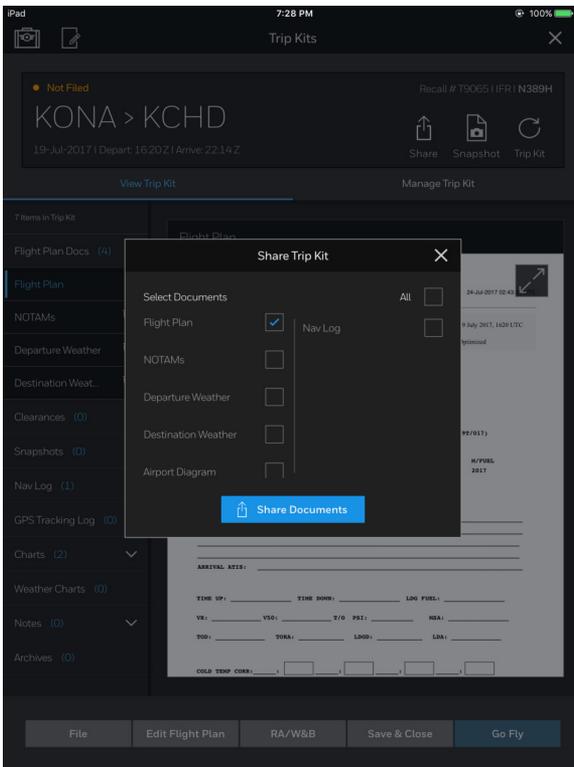


Figure 7-58: Share Trip Kits Modal Window

3. Tap the checkboxes next to the documents you would like to share.

4. Tap the  (Share Documents) button.

5. Tap to select the method to share the document.

The document(s) can be shared via Airdrop, emailed using the Mail app, sent via messages opened in a compatible app, copied, printed, or uploaded to iCloud.

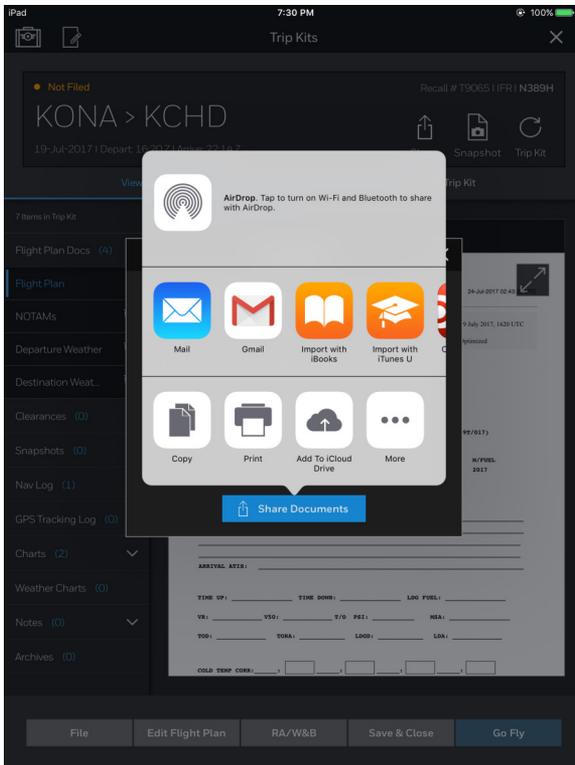


Figure 7-59: Sharing Methods



NOTE: AirDrop must be enabled on the sending and receiving iOS devices. The Mail and Messages apps must be configured in Settings on the sending device. iCloud must be enabled for your Apple ID on the device.

Printing Documents

To print a document:

1. Tap the  (**Print**) button.
2. Select a printer.

3. Tap to increase/decrease the number of copies to print and select the print options.
4. Tap **Print** to print the document(s).

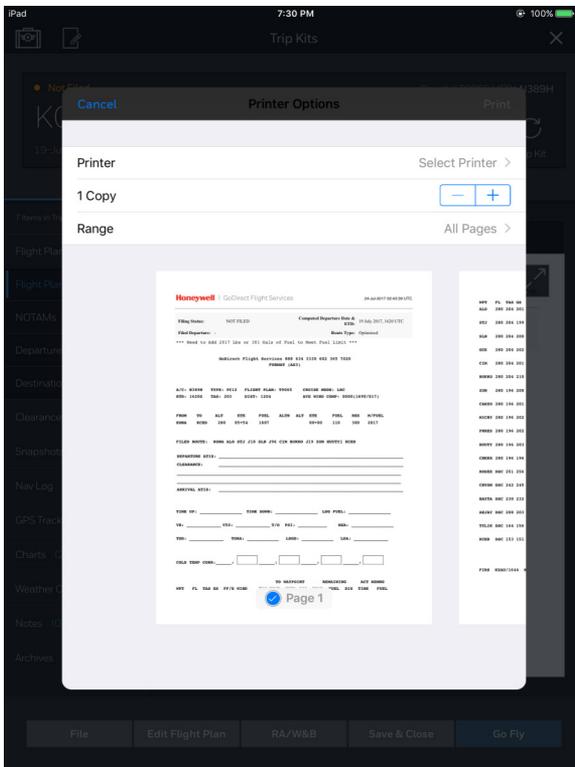


Figure 7-60: Print Options

Sharing Trip Kits

1. Tap the  (**Share**) icon.
2. Tap the **All** checkbox.
3. Tap the  (**Share Documents**) button.
4. Select the method for sharing the Trip Kit.

NAV LOGS

The Nav Log contains estimated performance values for a flight such as time, distance, fuel, etc. The values are broken down by each waypoint. The Nav Log also provides entries for total flight times such as Out, Off, On, and In times.

The screenshot shows the 'Nav Log' interface on an iPad. At the top, it displays '10:35 AM' and '82%' battery. Below the title 'Nav Log', there are buttons for 'Pilot in Command', 'First Officer', 'Departure Fuel' (2890 lb), and 'Trip Kit Generated' (25-MAY-2017 17:18 UTC). A row of buttons includes 'Out', 'Take Off', 'Land', and 'In'. The main data table has columns for Distance (NM), Altitude (ft x 100), Time (HHMM), Fuel (lb), GS (kts), Fuel Rem. (lb), and ETA (UTC). The data is organized into segments: KVNY to BSHOW, BSHOW to HARYS, HARYS to SLAPP, SLAPP to YAAPY, YAAPY to JETHK, and JETHK to BBITE. Each segment has 'Estimated' and 'Actual' rows.

	Distance (NM)	Altitude (ft x 100)	Time (HHMM)	Fuel (lb)	GS (kts)	Fuel Rem. (lb)	ETA (UTC)
KVNY to BSHOW							
Estimated	003	CLB	0003	0398	327	2492	1818
Actual							
BSHOW to HARYS							
Estimated	006	CLB	0001	0063	412	2429	1819
Actual							
HARYS to SLAPP							
Estimated	010	CLB	0002	0121	438	2308	1821
Actual							
SLAPP to YAAPY							
Estimated	016	CLB	0002	0140	472	2168	1823
Actual							
YAAPY to JETHK							
Estimated	008	CLB	0001	0070	499	2098	1824
Actual							
JETHK to BBITE							

Figure 7-61: Nav Log

Accessing the Nav Logs

There are two ways to access the Nav Log:

- Trip Kit side menu
- En Route (Go Fly) mode.

ACCESSING THE NAV LOGS FROM A TRIP KIT

1. Open a Trip Kit from either the  (Tools Menu) button or from the Flight Schedule screen.
2. Tap the  (Nav Log) button on the side menu.

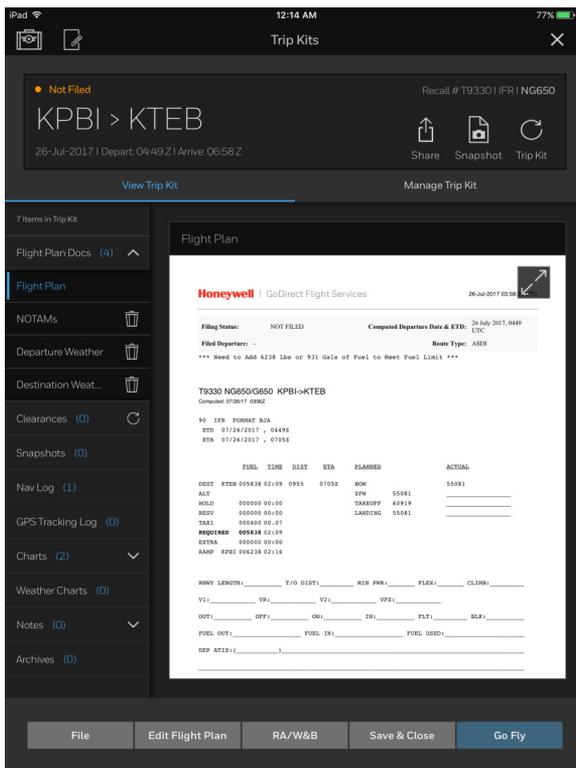


Figure 7-62: Accessing the Nav Log From the Trip Kit Side Menu

ACCESSING THE NAV LOG FROM EN ROUTE (GO FLY) MODE

1. Tap to expand the desired flight plan tile on the Flight Schedule screen.
2. Tap the **Go Fly** (Go Fly) button.



CAUTION: If you have not downloaded the Trip Kit for the flight plan you are about to activate to fly, Flight Bag Pro will display an alert message.

You can tap **No** to ignore this alert and proceed with activating the flight or tap **Yes** to automatically download the Trip Kit before your flight.

The flight plan is activated, meaning you are ready to “Go Fly” the route as intended.

3. Tap the  **Nav Log** (**Nav Log**) button.

The Nav Log is displayed.

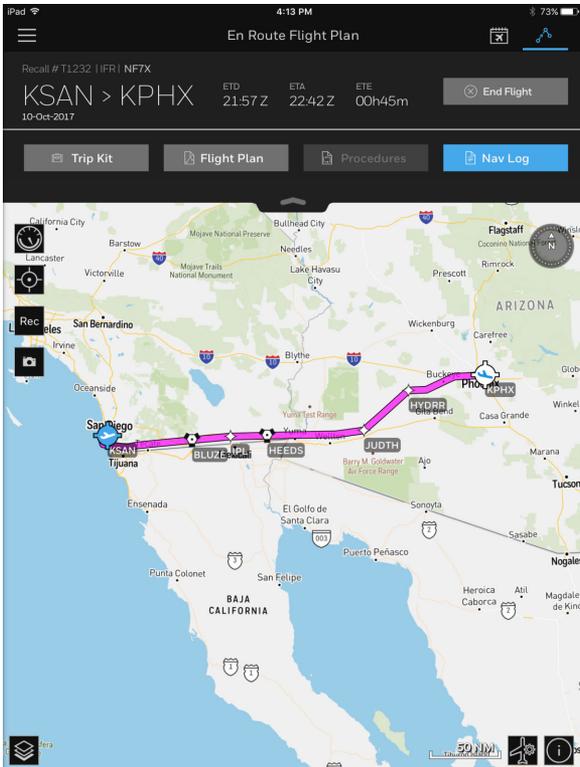


Figure 7-63: Accessing the Nav Log From En Route (Go Fly) Mode

Using the Nav Log

The Nav Log can be used to track your actual flight times, as well as en route performance data.

To enter information:

1. Tap a form field.
2. Use the number pad to enter a value.
3. Tap the **OK** button or tap another form field to close the number pad.

Once your flight is over, the Nav Log can be saved, printed, or shared.

	Distance (NM)	Altitude (ft x 100)	Time (HHMM)	Fuel (lb)	GS (kts)	Fuel Rem. (lb)	ETA (UTC)
KTEB to ELVAE							
Estimated	021	CLB	0007	0402	299	4991	0202
Actual	22	80	0008	385	248	4900	1314
ELVAE to COL							
Estimated	015	CLB	0002	0108	395	4883	1316
Actual	14	120	0002	111	390	4850	1316
COL to WHITE							
Estimated	019	CLB	0003	0136	416	4747	1319
Actual	20	160	0004	130	420	4720	1320
WHITE to CYN							
Estimated	014	CLB	0002	0098	421	4649	1322
Actual	13	180	0002	90	420	4630	1322
CYN to VILLS							
Estimated	044	CLB	0006	0288	432	4361	1328
Actual	44	280	0006	280	430	4350	1328
VILLS to SBY							

Figure 7-64: Nav Log With Entries

UPLOADING A FLIGHT PLAN TO AN AIRCRAFT

Flight plans created using Flight Bag Pro can be uploaded to aircraft that have the Aspen Connected Panel™ Wireless Gateway system installed.

For more information about the Aspen Connected Panel™ Wireless Gateway, visit www.aspenavionics.com.



CAUTION: When flight plans are uploaded using the Aspen Connected Panel™ Wireless Gateway, only the en route portion of the flight plan will be uploaded. Any custom-entered SID and/or STAR segments of the flight plan will be removed. Any departure and/or arrival procedures must be manually selected in the aircraft's FMS prior to departure based on the current runways in use at the time of departure.

Using the Aspen Connected Panel™ Wireless Gateway

To upload a flight plan to your aircraft:

1. Connect your iPad device to the Aspen Connected Panel™ Wireless Gateway using the Wi-Fi settings in iOS.

To learn how to connect your device to a Wi-Fi network, visit help.apple.com/ipad/10/#/iPad93753bb2.

2. Open Flight Bag Pro and expand the desired flight plan tile.
3. Tap the **More...** (**More**) button.
4. Tap the **Upload to FMS** (**Upload to FMS**) button.



NOTE: The Upload to FMS option is only displayed when your device is connected to the Aspen Connected Panel™ Wireless Gateway.

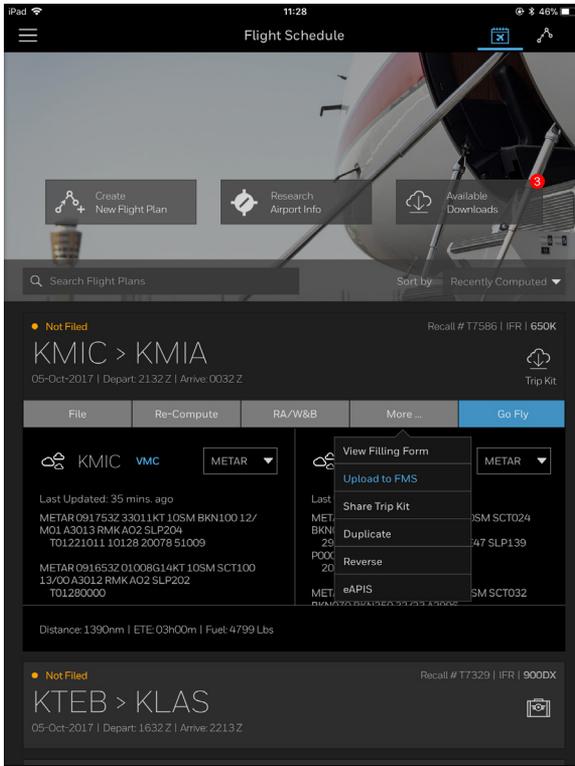


Figure 7-65: Upload to FMS Option in Expanded Flight Plan Tile

An alert message is displayed, which prompts you to confirm that you would like to upload the flight plan to the FMS.

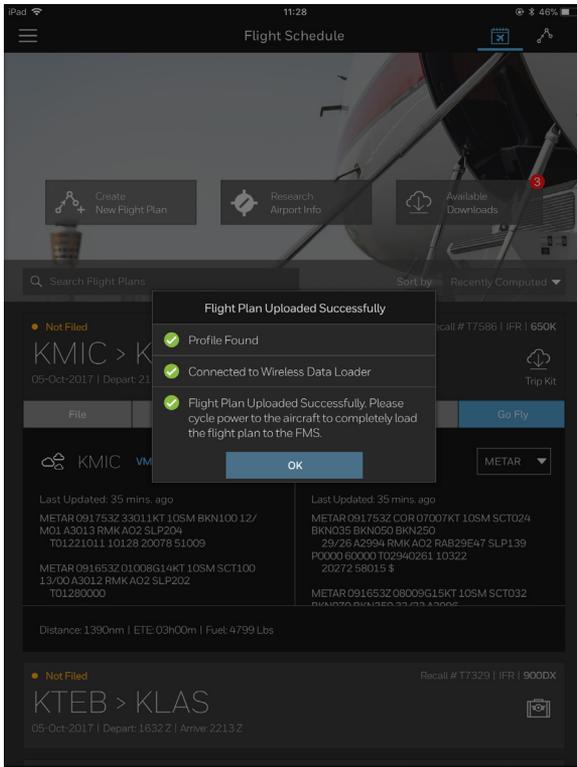


Figure 7-66: Upload Confirmation Alert Message

5. Verify the Flight Plan Recall Number is correct, then tap the **Upload** button.

Flight Bag Pro will then connect to the Aspen Connected Panel™ Wireless Gateway and begin uploading the flight plan.



NOTE: This process may take several minutes.

Once the flight plan has successfully uploaded, a confirmation window is displayed.



NOTE: If the upload process fails at any point, the confirmation window will display which step in the process caused the fault.

6. Tap the **OK** (OK) button to close the confirmation window.
7. Cycle power to the aircraft.
8. Once the aircraft has powered up, select the uploaded flight plan and insert it as the active flight plan on the FMS.
9. Review the flight plan and enter any departure and/or arrival procedures, as necessary.



CAUTION: Remember to manually enter any SIDs and/or STARs directly via the FMS—even if the waypoints from the procedures are displayed in the uploaded flight plan.

The only way to ensure all the appropriate flight level and speed restrictions for the procedures are properly loaded is to manually enter the desired SID, STAR, and/or approach procedure.

EN ROUTE (GO FLY) MODE

When it's time to take off, it's time to engage Go Fly mode. While in Go Fly mode, your flight plan is activated with your route displayed on the map; providing you access to your GPS position, GPS recording to track your flight, Snapshot functionality, Digital Instruments, and quick access to the most important documents in your Trip Kit.

Go Fly

After creating a flight plan, you can access En Route (Go Fly) mode from two areas of the Flight Bag Pro interface:

ACCESSING GO FLY MODE FROM THE FLIGHT SCHEDULE SCREEN

1. Tap to expand a flight plan tile.
2. Tap the **Go Fly** (Go Fly) button to engage Go Fly mode and activate your flight plan.

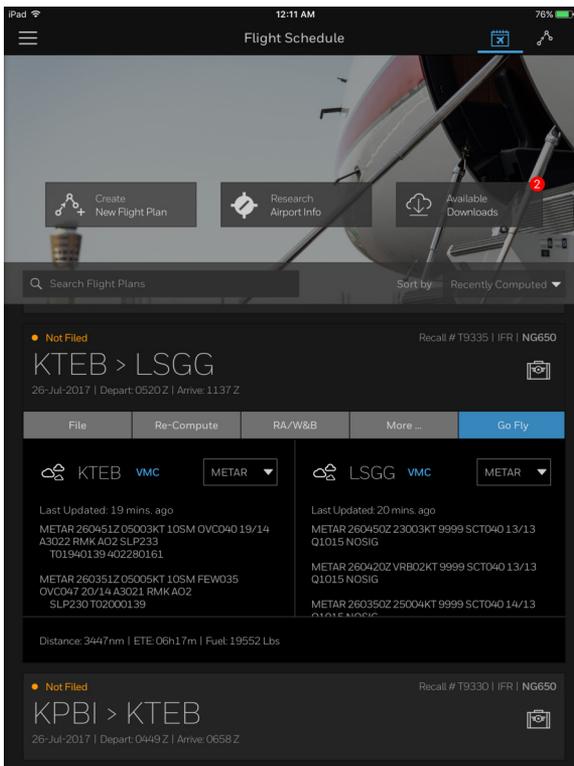


Figure 7-67: Go Fly Button in Expanded Flight Plan Tile

ACCESSING GO FLY MODE FROM A TRIP KIT

1. Tap the  (Tools Menu) button.
2. Tap the  (Trip Kits) button.
3. Tap the  (Trip Kits Library) button.
4. Tap the desired Trip Kit from the list to display the Trip Kit.
5. Tap the **Go Fly** (Go Fly) button at the bottom of the Trip Kit to engage Go Fly mode and activate your flight plan.

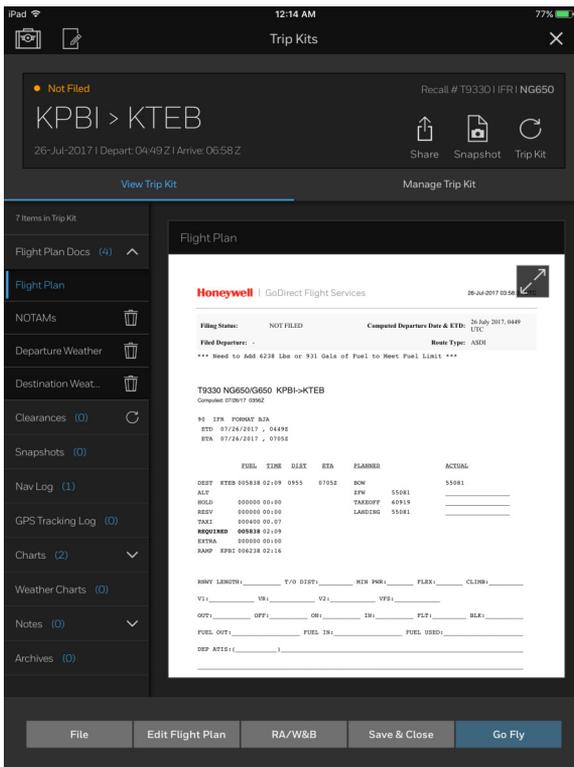


Figure 7-68: Go Fly Button in Trip Kit

ACCESSING THE EN ROUTE FLIGHT PLAN SCREEN FROM THE FLIGHT SCHEDULE SCREEN

1. Tap the  (Trip Kits) button on the desired flight plan.

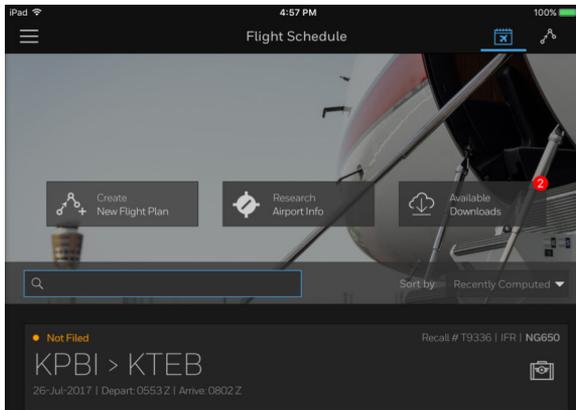


Figure 7-69: Trip Kits Button on Flight Plan

2. Tap the  (Go Fly) button.

Accessing Your Trip Kit in Go Fly Mode

While in En Route (Go Fly) mode, basic details of your flight plan are displayed in a tray at the top of the screen. From the tray, you can quickly access your entire Trip Kit – or specific documents, such as your **Flight Plan**, **Procedures**, and **Nav Log**.

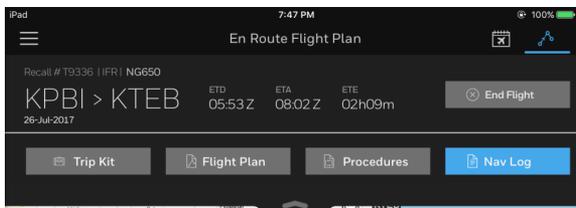
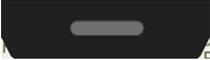


Figure 7-70: Flight Plan Tray in Go Fly Mode



TIP: While in Go Fly mode, you can view more of the map and your route by closing the Flight Plan tray.

1. Tap the  (**Tray Close**) button to collapse the Flight Plan tray.
2. Tap the  (**Tray Open**) button to expand the Flight Plan tray.

VIEWING PROCEDURES

1. Tap the  (**Procedures**) button from the Flight Plan tray.

The Trip Kit is displayed, defaulting to the Charts option in the side menu.

2. Tap to view a Chart or Procedure.
3. Tap the  (**Close**) button to return to Go Fly mode.

VIEWING/USING THE NAV LOG

1. Tap the  (**Nav Log**) button from the Flight Plan tray.
The Trip Kit will be displayed, defaulting to the Nav Log.
2. Enter Values as you fly the route.
3. Tap the  (**Close**) button to save your values and return to Go Fly mode.

ENDING A FLIGHT

After completing the flight:

1. Tap the  (**End Flight**) button from the Flight Plan tray.
A confirmation alert message is displayed.
2. Tap the  (**Yes**) button to end the flight, returning you to the **Flight Schedule** screen.

Digital Instruments Panel

The Digital Instruments Panel can be toggled ON to display GPS information, such as the GPS Device in use (internal vs. external Bluetooth), Flight Plan recall number, Accuracy of GPS position, Altitude, Ground Speed, Heading, and Current Lat/Lon position.

To display the Digital Instruments on the map:

1. Tap the  (**Digital Instruments**) button to open the Digital Instruments panel.
2. Tap the  (**Digital Instruments**) button again to close the panel.

INTERNAL AND EXTERNAL (BLUETOOTH) GPS

There are two types of GPS data sources that can be displayed in the Digital Instruments Panel:

- **Internal GPS** – By default, Flight Bag Pro will use the internal iPad GPS receiver to display GPS data.



NOTE: Only iPad Wi-Fi + Cellular devices contain the internal GPS chip required to display GPS data in Flight Bag Pro.

- **External (Bluetooth) GPS** – If paired with supported external GPS device, Flight Bag Pro will display GPS data.

For a list of supported external GPS devices, see [GPS Location Tracking in Section 1, Overview](#).

GPS RECORDING (TRACKING LOG)

When using the GPS Recording feature, Flight Bag Pro will record a GPS tracking log during the entire flight, as you fly your route. This allows you to go back to your Trip Kit later and review your actual flight route versus your planned route.

To activate GPS Recording using an external GPS:

1. Tap the **Go Fly** (**Go Fly**) button from either Trip Kits or Flight Schedule of your desired trip
2. Tap the **Rec** (**GPS Recording**) button.
An **Accessories** popover will appear.
3. Select the External GPS from the options (ex: XGPS150-478367).

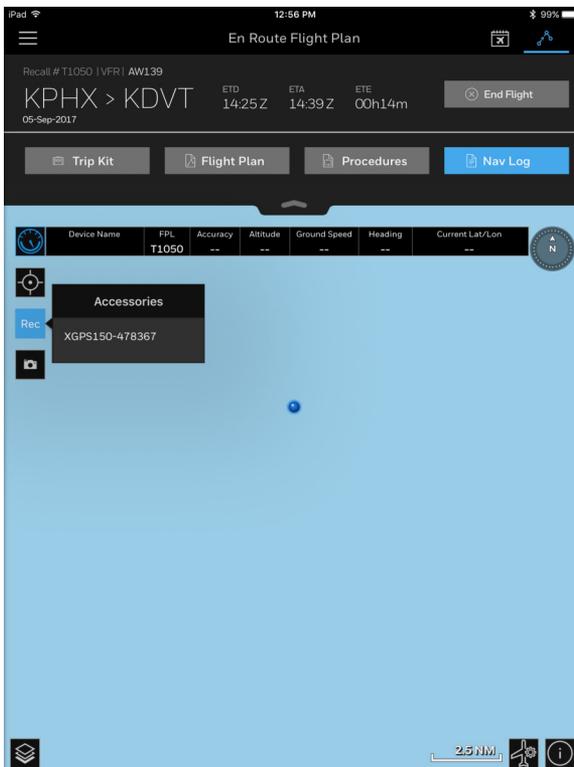


Figure 7-71: Selecting External GPS

The device name will appear in the  (Digital Instruments) and the recording counter will begin.

The  (GPS Recording) button will also turn light blue.

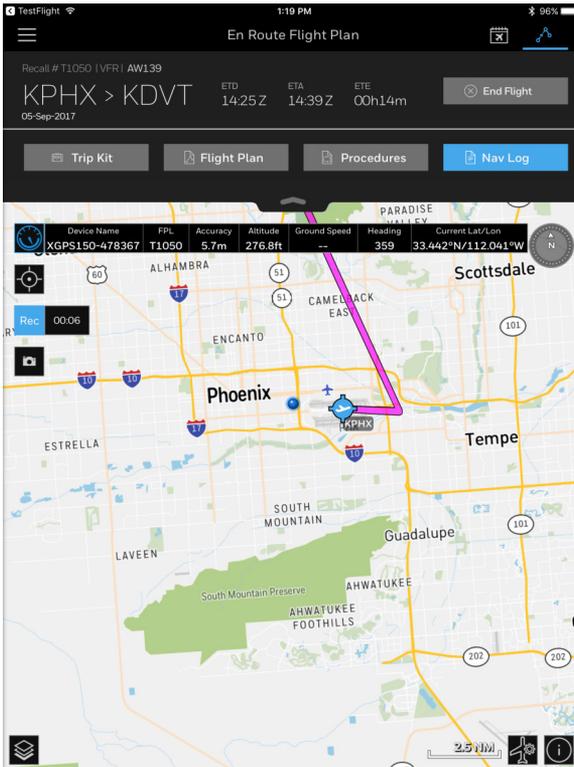


Figure 7-72: Recording GPS

4. Tap the **Rec** (**GPS Recording**) button again to stop recording and save.

GPS Tracking log will be saved and accessible under **Trip Kits** **GPS Tracking Log** (**GPS Tracking Log**).



NOTE: Only one recording per trip can be saved. By attempting to record multiple times the previous recording will be overwritten.

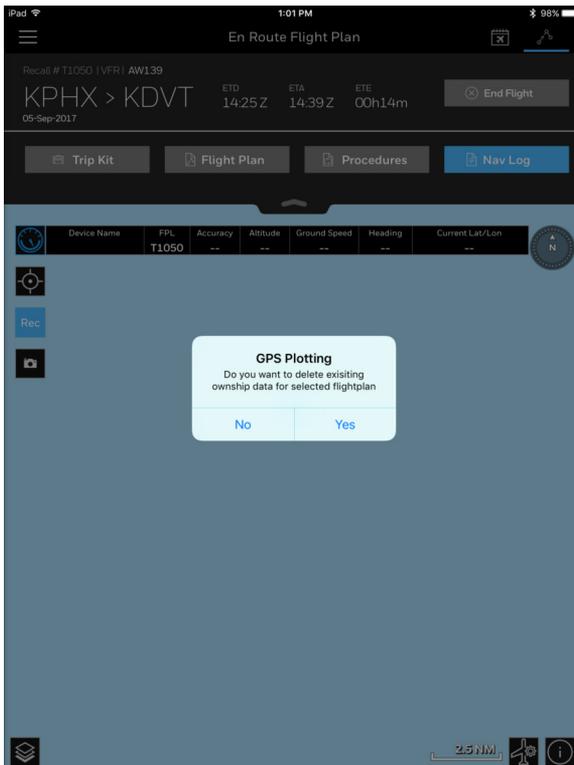
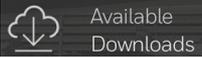


Figure 7-73: Overwrite Previous Recording

8. Downloads

There are two ways to access the **Downloads** screen:

- Tapping on the  (**Available Downloads**) button from the Flight Schedule screen.



*NOTE: The **Available Downloads** button displays a badge count, which indicates how many downloads are ready for you to review and begin downloading.*

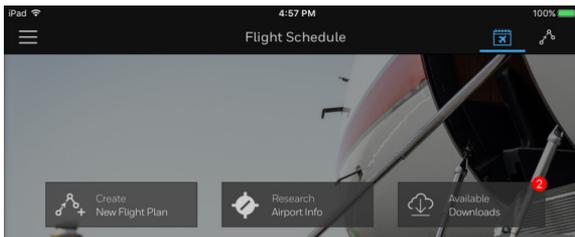


Figure 8-1: Available Downloads Button

- Tapping on the  (**Tools Menu**) button, then tapping on the  (**Downloads**) button.

The Downloads screen has three sections:

- Download Queue
- Products by Region
- Runway Analysis/Weight & Balance Profiles.

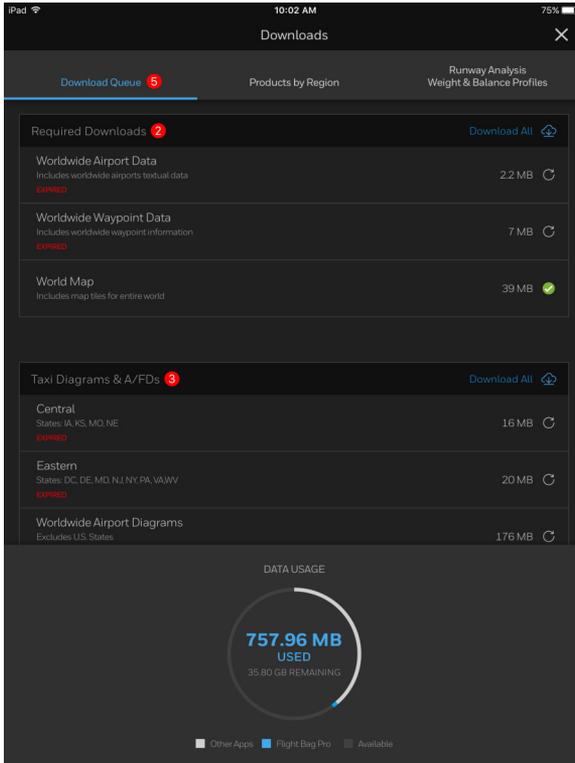


Figure 8-2: Downloads Screen

REQUIRED DOWNLOADS

Flight Bag Pro requires specific databases to always be up to date in order to research airports or create flight plans. These downloads are always listed at the top of the Downloads Queue screen and provide a description, the effective dates, and the size of each database file.



NOTE: These databases are effective during each AIRAC (Aeronautical Information Regulation and Control) cycle and must be updated after each cycle ends.

1. Tap the  (**Downloads**) button to begin downloading a database file.

The download is initiated and a progress bar is displayed.

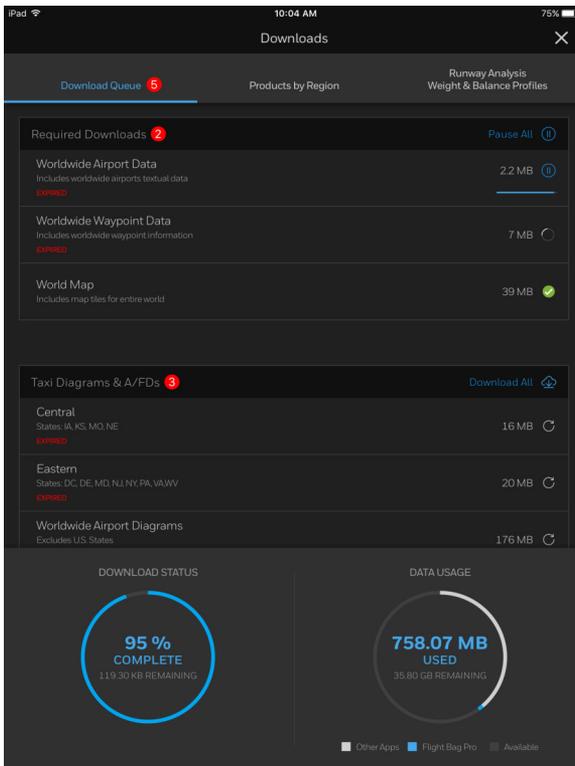


Figure 8-3: Downloads Started

You may tap to initiate as many downloads as you would like. The overall status of your downloads is displayed in the Download Status graph. When all downloads have completed, this graph will disappear.

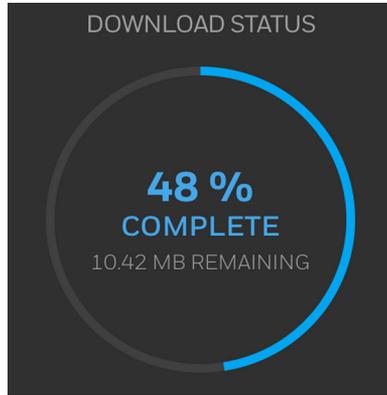
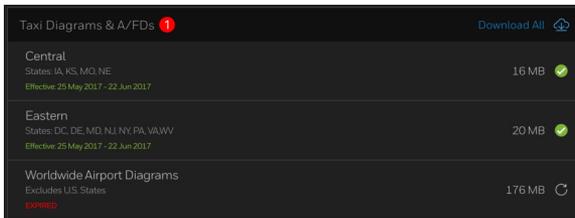


Figure 8-4: Download Status Graph

You may pause a download you’ve initiated at any time.

A  (green checkmark) is displayed next to each download once the download successfully completes.



Download Name	Size	Status
Taxi Diagrams & A/FDs ¹		Download All 
Central States: IA, KS, MO, NE Effective: 25 May 2017 - 22 Jun 2017	16 MB	
Eastern States: DC, DE, MD, NJ, NY, PA, VA, WV Effective: 25 May 2017 - 22 Jun 2017	20 MB	
Worldwide Airport Diagrams Excludes US States <small>EXPIRED</small>	176 MB	

Figure 8-5: Required Downloads

MANAGING DOWNLOADS BY REGION

Flight Bag Pro allows you to download additional database products so information and data is available for offline viewing.

The Available Products for download are:

- Taxi Diagrams & A/FDs (Airport/Facility Directories)
- Terminal Procedures
- IFR Low Charts
- IFR High Charts

Each of these items is available to download by specific regions so you only have to download the data you need when you need it, saving data storage space on your device.

To add downloads to your Download Queue:

1. Tap the **Available Products** toggle switch to enable a Product category.
2. Tap a Region to add the Product for that Region to the Download Queue.



A **(Blue)** checkmark is displayed next to the database file size to indicate when a Product for a specific region has been selected and added to the Download Queue.



TIP: Once the Products by Region have been added, the items will always be listed in the Download Queue. After each AIRAC cycle ends, the effective date for the item will turn red and the badge count on the Download Queue will update to indicate the download must be refreshed to be valid for the new cycle.

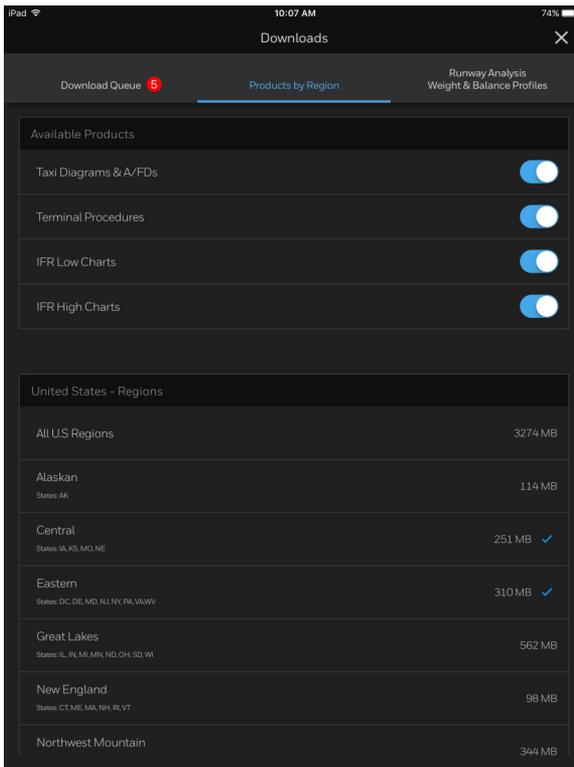


Figure 8-6: Available Products

- Once you have selected the desired products by region, tap the **Download Queue** (Download Queue) tab.
- Tap the  (Downloads) button to independently initiate each download, or tap the **Download All**  (Download All) button to initiate downloading all of the items in a particular section.

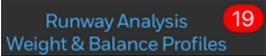
MANAGING AIRCRAFT PROFILE DOWNLOADS FOR APG (RUNWAY ANALYSIS/WEIGHT & BALANCE)



NOTE: An active APG subscription is required to use the Runway Analysis/Weight & Balance tool and access the associated downloads necessary to perform calculations. Additionally, this tool requires an APG Username and Password, which is separate from your Flight Bag Pro Honeywell ID and Password.

Contact a GoDirect Sales Representative to inquire about APG subscriptions:

- US Toll Free: (888) 634-3300
- International: +1 (602) 365-7020
- Select Option 1

1. Tap the  (**Runway Analysis/Weight & Balance Profiles**) button.

There are three sections under Runway Analysis/Weight & Balance Profiles.

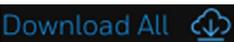
- Required Downloads
- Aircraft Downloads
- W&B Tail Downloads.



CAUTION: Each sections displays a red badge count (e.g.,  (9)), indicating the number of updates available.



WARNING: The Airfield Data file is required to perform Runway Analysis calculations.

2. Tap the  (**Download All**) button in each section to initiate downloading all available data files, or tap the  (**Downloads**) button to download individual data files.



CAUTION: You must download the Aircraft and W&B Tail downloads for your aircraft to perform Runway Analysis/Weight & Balance calculations.

A  (green checkmark) is displayed when the download is complete.

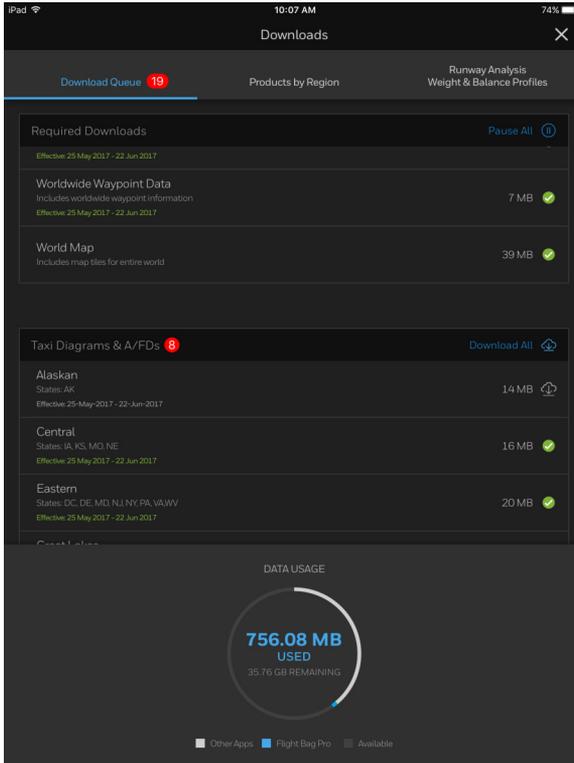


Figure 8-7: Runway Analysis/Weight & Balance Profiles Screen

MANAGING YOUR DEVICE STORAGE

Your device storage space is displayed on the main Downloads screen.

Data Usage Graph

The Data Usage graph displays the amount of storage space being used by Flight Bag Pro, along with the space used by other apps, and the amount of available space remaining.

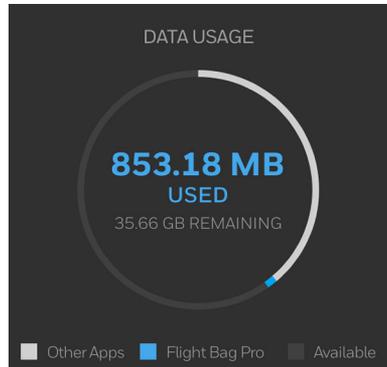


Figure 8-8: Data Usage Graph

Deleting Downloads



NOTE: The following steps can be used for deleting any downloads displayed on the Download Queue screen (Required Downloads, Taxi Diagrams & A/FDs, Terminal Procedures, and IFR Charts).

1. Using one finger, swipe from right to left on a download you want to delete.

A red **Delete** (Delete) button is displayed.

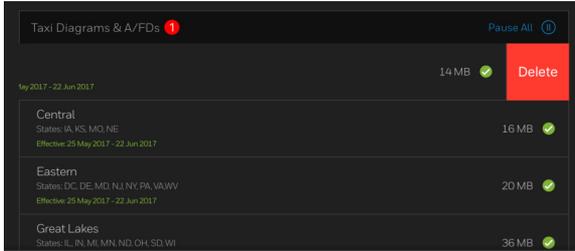


Figure 8-9: Deleting Downloads

2. Tap the **Delete** (Delete) button to delete the download.

Repeat this action for any additional downloads you want to delete.

9. Settings

Various user preferences for Flight Bag Pro can be adjusted within the **Settings** screen. Here you will also find general information about the app, such as the version number, the user guide, and GoDirect Customer Support information, where you can contact them directly.

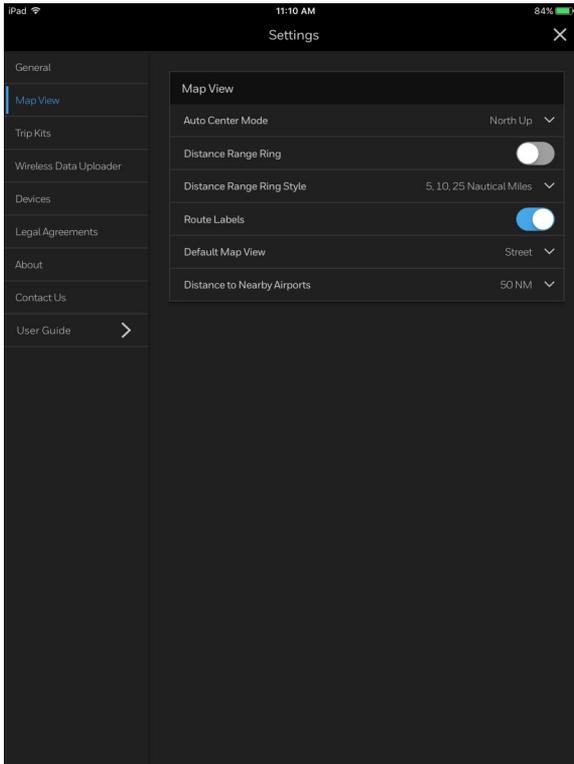


Figure 9-1: Map View Tab in Settings

ACCESSING THE SETTINGS SCREEN

You can access the Settings screen by tapping on the  (Tools Menu) button and then tapping on the  (Settings) button.

General

The **General Settings** tab contains the following preferences:

- **App Preferences:**

Diagnostic Logs – Selecting this option enables the Flight Bag Pro app to send diagnostic logs directly to the development team using background services. This helps Honeywell to provide constant improvements to the app based on usage statistics and crash logs.

Interface Hints – Selecting this option enables helpful hints, which display throughout the user interface to help you learn how various controls work within the app. This option can be re-enabled at any time even after dismissing the hints after installing an app update.

Feedback Tool – Allows a quick and easy way to take a screenshot, add comments, and email feedback directly to Honeywell by shaking the device.

- **Display Preferences:**

Screen Orientation Lock – Enabling this option will lock your iPad screen so it does not rotate between portrait and landscape mode when rotating the device orientation.

Brightness – This slider control allows you to adjust the brightness of your screen. This is in addition to the native iOS brightness controls found in the Settings app on your device.



NOTE: Adjust the iOS device brightness to 50% before adjusting the brightness controls within Flight Bag Pro.

Allow Device Sleep – Enabling this option will allow your device to go to sleep after sitting idle to conserve your battery. Leaving the option disabled (default) allows the app to always be on for convenience during flight operations.

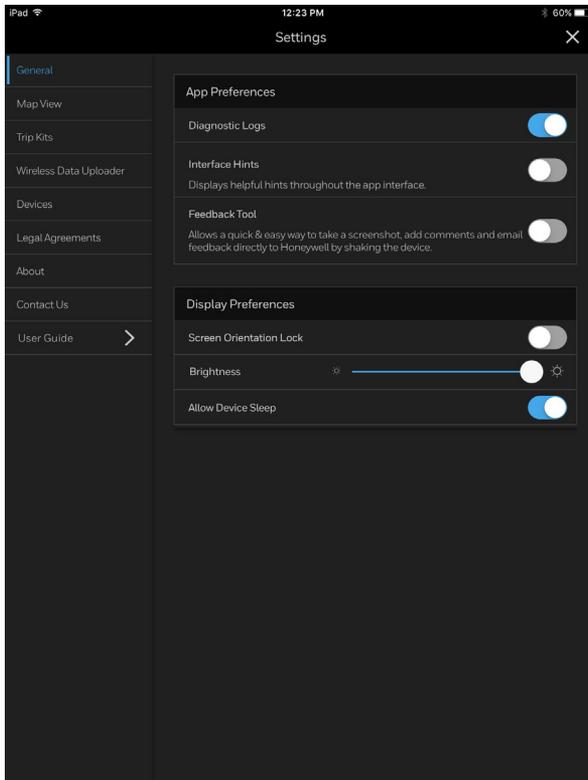


Figure 9-2: General Tab

Map View

The **Map View** tab contains the following preferences:

- Auto Center Mode – This option allows you to select the default map centering mode used when viewing the map on the Flight Plan screen or Go Fly (en route flying) screen.
- Distance Range Ring – Enabling this option will cause the range ring to display on the map at all times by default.
- Distance Range Ring Style – This option allows you to select the default measuring distances for the range ring.
- Route Labels – Enabling this option will cause the route labels to display on the map at all times by default.
- Default Map View – This options allows you to select which map background is displayed on the map by default each time you create a flight plan or start Go Fly mode.
- Distance to Neaby Airports – This option allows you to select the distance the app should use when calculating nearby airports based on the ICAO code used when searching airports or when creating a flight plan.

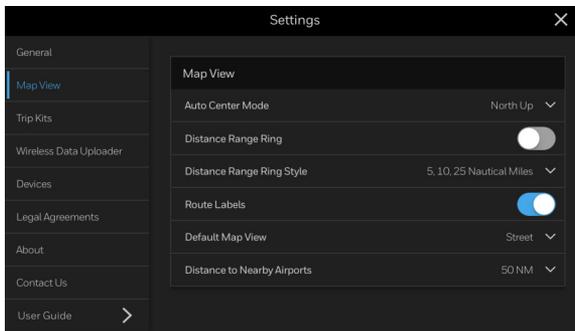


Figure 9-3: Map View Tab

Trip Kits

The **Trip Kits** tab allows you to enable which documents you would always like to include when generating a Trip Kit for a new flight.

Include Default Email Address – Enable this option to set a default email address you would like to use when sharing a Trip Kit.

When sharing a Trip Kit, the **To:** field in the email is pre-populated using this default email address.

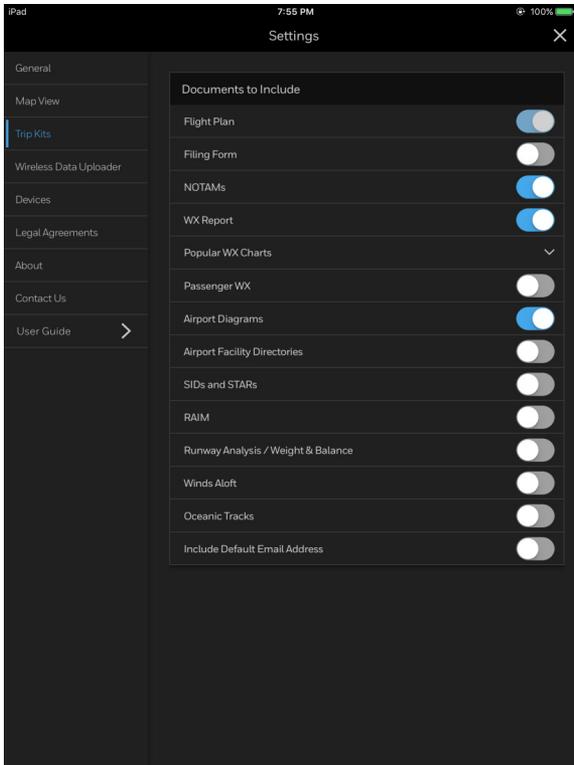


Figure 9-4: Trip Kits Tab

Wireless Data Uploader

The **Wireless Data Uploader** tab is used to connect to an external device on your aircraft to upload a flight plan via a Wi-Fi connection to the FMS.

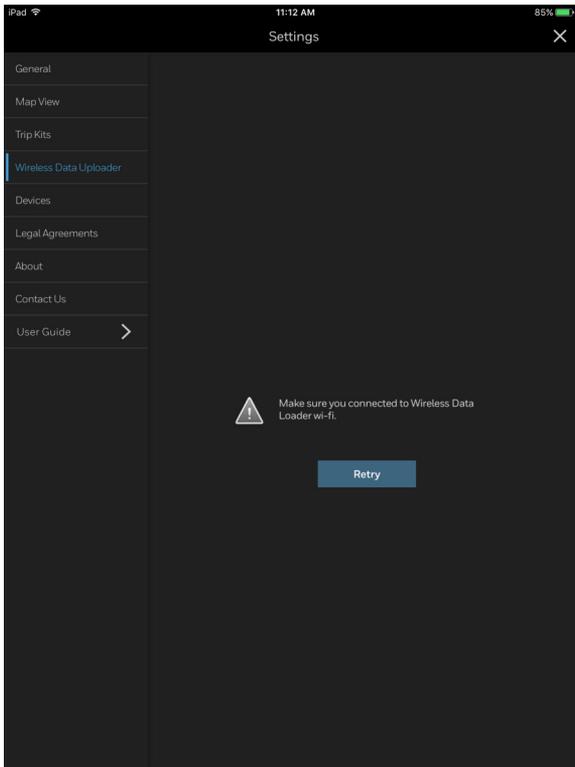


Figure 9-5: Wireless Data Uploader Tab

Devices Tab

The **Devices** tab provides a list of external third-party Bluetooth GPS devices currently supported by the Flight Bag Pro app. Using an external GPS device provides more accurate aircraft location information – such as heading, speed, and Lat/Lon position – during flight operations.

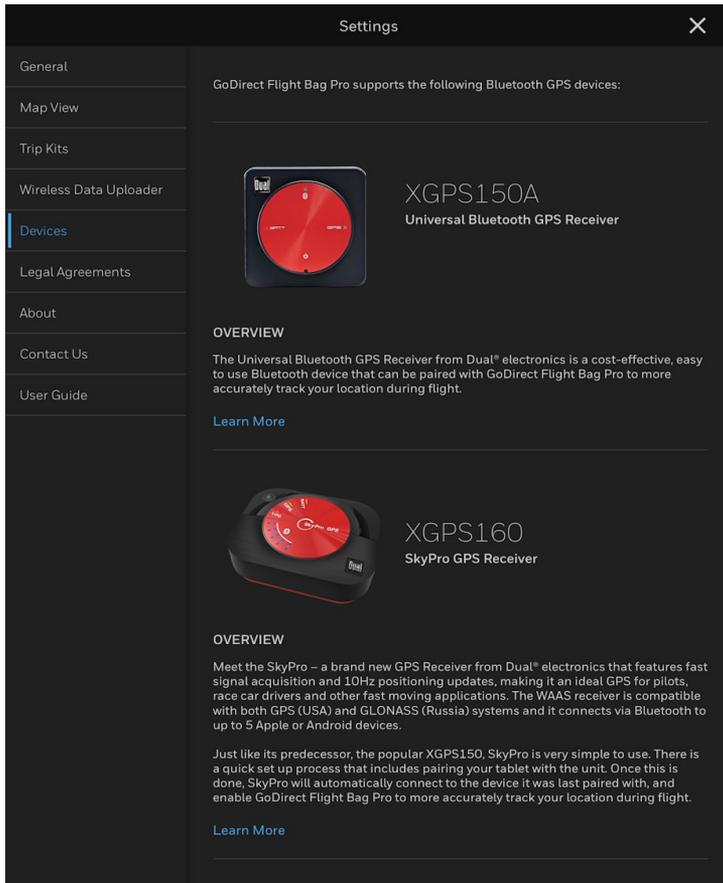


Figure 9-6: Devices Tab

PAIRING A THIRD-PARTY GPS DEVICE



NOTE: Make sure your device has established a satellite fix before proceeding (refer to your GPS user manual).

1. Tap the  (**Settings**) icon on your iPad.
2. Tap the  (**Bluetooth**) icon.
3. Slide the  (**Bluetooth**) toggle switch to the right to display a list of Bluetooth devices available for pairing.
4. Tap on the device to be connected.

Once the device is connected, **Connected**  (**Connected**) is displayed.

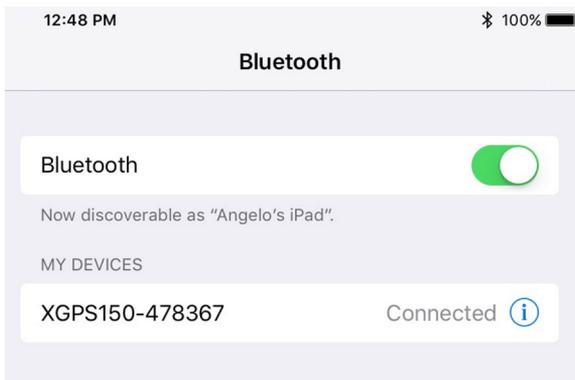


Figure 9-7: GPS Configure



NOTE: Once paired, see [GPS Recording \(Tracking Log\) in Section 7, Creating a Flight Plan](#), for information on how to record a GPS tracking log for a flight.

Legal Agreements

The **Legal Agreements** tab contains the Privacy Document and entire End-User License Agreement (EULA) for the GoDirect Flight Bag Pro app.

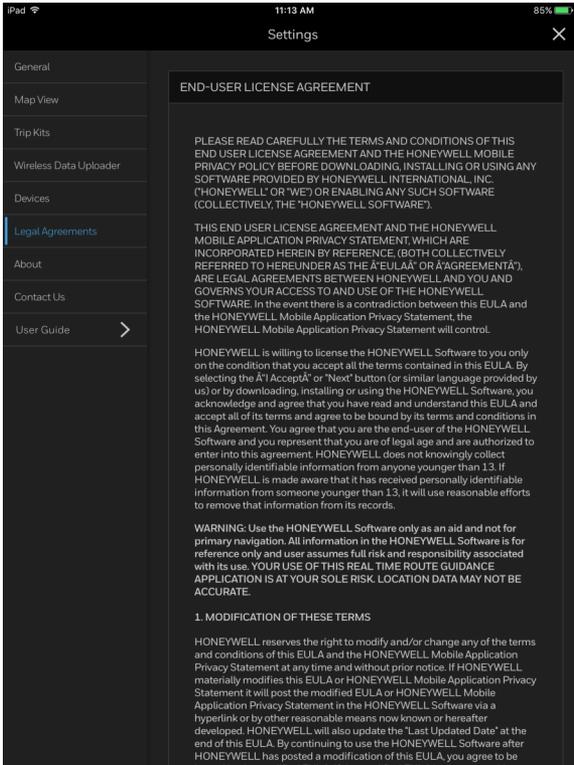


Figure 9-8: Legal Agreements Tab

About

The **About** tab contains information about the GoDirect Flight Bag Pro app, including the current version of the app release, links to other GoDirect apps for pilots, and app credits.

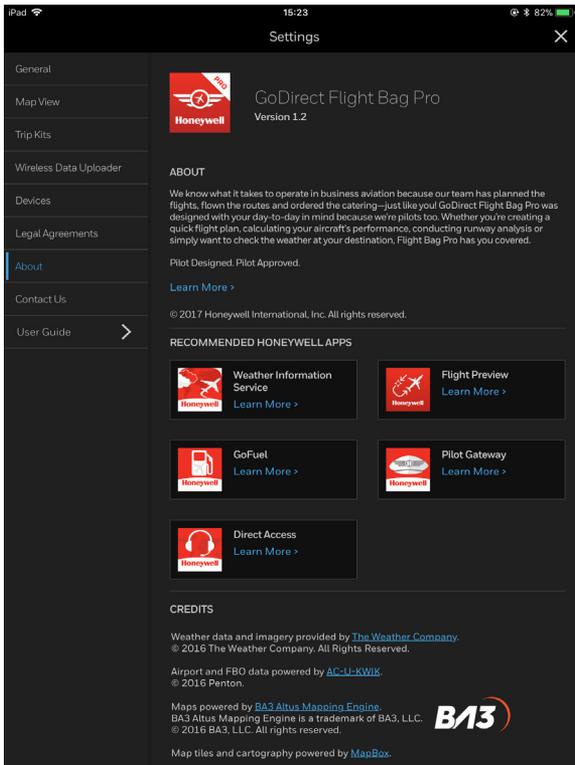


Figure 9-9: About Tab

10. Help

Flight Bag Pro Information and help can be found in the included Hints, User Guide, and Contact Us screen.

ENABLING INTERFACE HINTS

To enable Interface Hints, access the **General Settings** screen and tap on **Interface Hints**.

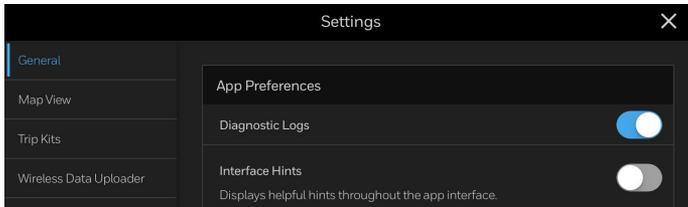


Figure 10-1: Interface Hints Selection in General Settings

CONTACT US

The **Contact Us** screen allows you to contact the GoDirect Customer Support team directly via email, phone, or by submitting a question or comment directly in the app using the form provided.

1. Tap the  (**Tools Menu**) button.
2. Tap the  (**Settings**) button.
3. Tap the  (**Contact Us**) tab.



TIP: If your device is 3G/4G-enabled OR you have configured FaceTime with your Apple ID, you may tap directly on the phone numbers to call Customer Support from within the app.

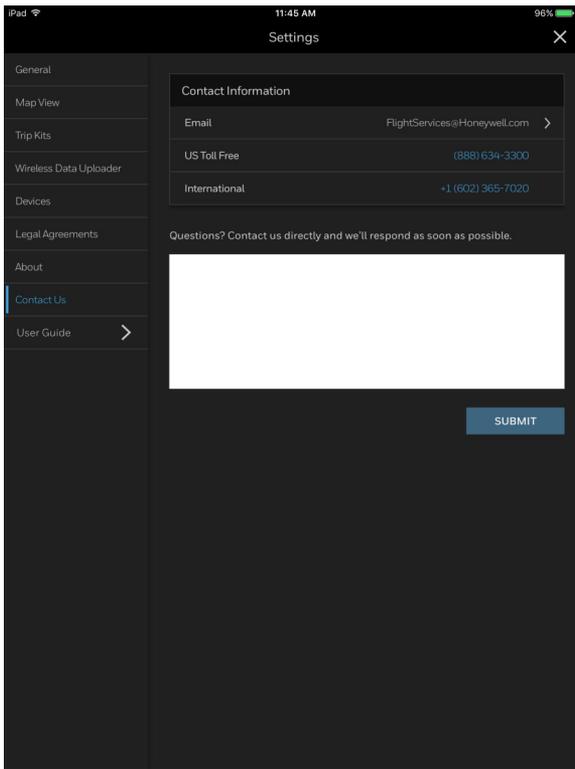


Figure 10-2: Contact Us Tab

USER GUIDE

To view the User Guide for Flight Bag:

1. Tap the  (Tools Menu) button.
2. Tap the  (Settings) button.
3. Tap the **User Guide** (User Guide) tab.

The most up-to-date version of the User Guide is downloaded for offline reference and will immediately open as a PDF in the app.

Acronyms and Abbreviations

The following is a list of technical and operational terms, acronyms, and abbreviations with definitions/explanations in alphabetical order.

<u>TERMS</u>	<u>DEFINITION</u>
A/FD	Airport/Facility Directory
AIRMET	Airmen's Meteorological Information
AIRAC	Aeronautical Information Regulation and Control
Alt	Altitude
APG	Aircraft Performance Group
ARTCC	Air Route Traffic Control Center
ATC	Air Traffic Control
ATIS	Automatic Terminal Information Service
D-ATIS	Digital Automatic Terminal Information Service
d-TPP	Digital Terminal Procedures Publication
ER	Emergency Return
ETOP	Extended-range Twin-engine Operational Performance Standards
ETP	Equal Time Point
FBO	Fixed-Based Operator
FDC	Flight Data Center
FL	Flight Level
FMS	Flight Management System
FP, FPL	Flight Plan
GPS	Global Positioning System
HSC	High Speed Cruise
ICAO	International Civil Aviation Organization

<u>TERMS</u>	<u>DEFINITION</u>
ID	Identification
IFR	Instrument Flight Rules
IFPSRA	Initial Flight Plan Processing System Re-Route
IMC	Instrument Meteorological Conditions
LAT	Latitude
lbs	pounds
LIMC	Low Instrument Meteorological Conditions
LON	Longitude
LRC	Long-Range Cruise
Max	Maximum
METAR	Meteorological aviation reports
MVMC	Marginal Visual Meteorological Conditions
NAVAID	Navigational Aid
NM	Nautical Mile(s)
NOTAM	Notice to Airmen
OPT	Optimize
PAX	Passenger
PDC	Pre-Departure Clearance
PDF	Portable Document Format
PIC	Pilot In Command
PIN	Personal Identification Number
PIREP	Pilot report
Satcom	Satellite Communication
SID	Standard Instrument Departure
SIGMET	Significant meteorological information
SMS	Short Message Service

<u>TERMS</u>	<u>DEFINITION</u>
STAR	Standard Terminal Arrival Route
SUA	Special Use Airport
TAF	Terminal Aerodrome Forecast
TAS	True Airspeed
TFR	Terminal Flight Restriction
US FDC	United States Flight Data Center
VFR	Visual Flight Rules
VHF	Very High Frequency
VMC	Visual Meteorological Conditions
W&B	Weight & Balance
WSI	Weather Services International
WX	Weather

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