ForeFlight

MILITARY FLIGHT BAG

Guide

ForeFlight

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INTRODUCTION

ForeFlight Military Flight Bag is an enhanced version of the ForeFlight Mobile electronic flight bag application that includes features supporting global flight operations for military and government pilots.

ForeFlight Military Flight Bag is offered in Essential and Premium plans for individual use. Multi-pilot accounts are also available. Managers of multi-pilot accounts may use ForeFlight's web-based dashboard to:

- Add or remove users and devices.
- Monitor data and software currency compliance for each device.
- Distribute documents to each pilot's iPad.

For information on using a Military Interdepartmental Purchase Request (MIPR), email sales@foreflight.com.

This guide only addresses ForeFlight Military Flight Bag-specific features. For a complete description of ForeFlight Mobile features, refer to the "ForeFlight Mobile Pilot's Guide" available in-app at **Documents → Catalog → ForeFlight** or at www.foreflight.com/support/pilots-guide/.

1.1 Plan Comparison

Three plan types are available for military and government pilots. Each includes standard ForeFlight Mobile features and additional functionality specific to ForeFlight Military Flight Bag.

Refer to the following table to determine feature availability by plan.

Features	MFB Pro	MFB Performance	MFB One
Aeronautical Map	✓	✓	✓
High-Resolution Base Map	✓	✓	✓
Flight Planning	✓	✓	✓
Flight Plan Filing	✓	✓	✓
En Route Charts	✓	✓	✓
Airport and FBO Data	✓	✓	✓
Integrated Weather Data	✓	✓	✓
Global Navigation Data	✓	✓	✓
ForeFlight Airport Diagrams	✓	✓	✓
Jeppesen VFR Procedures	✓	✓	✓
Optional Data Packages	✓	✓	✓
Weight & Balance	✓	✓	✓
Logbook	✓	✓	✓
Avionics Connectivity	✓	✓	✓
Printable NavLog	✓	✓	✓
Documents Catalog	✓	✓	✓
Flight Notifications	✓	✓	✓
Track Logs	✓	✓	✓
Breadcrumbs	✓	✓	✓
Internet Traffic	✓	✓	✓

Features	MFB Pro	MFB Performance	MFB One
Plates on Maps	✓	✓	✓
Synthetic Vision	✓	✓	✓
Hazard Advisor + Hazard Alerts	✓	✓	✓
Profile View	✓	✓	✓
Cloud Documents	✓	✓	✓
Icing, Turbulence Map Layers	✓	✓	✓
Surface Analysis Map Layer	✓	✓	✓
Content Pack		✓	✓
Performance Profiles		✓	✓
3D View		✓	✓
Recommended Routing		✓	✓
Takeoff & Landing Performance		✓	✓
Runway Analysis (Add-on license required)		✓	✓
Pre-Departure Clearance (PDC)		✓	✓
Digital ATIS (D-ATIS)		✓	✓
Fuel Load Planner		✓	✓
557th Weather Wing Icing & Turbulence Map Layers		✓	✓
FBO Fuel Orders		✓	✓
Files in Flights		✓	✓
Marked Positions		✓	✓
En Route Fuel Changes (Aerial Fueling)			✓
Time on Target			✓
Avian Hazard Forecasts			✓
Air Force DD 175-1Weather Briefs			✓
Obstacles (DOD)			✓

Features	MFB Pro	MFB Performance	MFB One
557th Forecasts in 3D & Profile View			✓
ForeFlight Web	✓	✓	✓

1.2 Restrictions on International Users

ForeFlight Military Flight Bag International is available only to approved international military and government organizations. Some data is sourced from the National Geospatial-Intelligence Agency (NGA), the United States Air Force, and other military entities. Usage requires permission from the relevant agencies.

1.3 Restricted Profiles Access

ForeFlight Military Flight Bag complies with U.S. export regulations. A license is required to access International Traffic in Arms Regulations (ITAR)-controlled performance data and U.S. Munitions List (USML) data. Licenses can be requested via foreflight.com/support/enterprise-portal/.

1.3.1 ForeFlight Military Flight Bag Email Verification Process

Aircraft performance profiles must be individually provisioned. To request access:

1. Use the form at foreflight.com/support/enterprise-portal/.
2. Use a valid military email address.
3. Include the identifier of the aircraft operated.
4. Upon confirmation of pilot eligibility, aircraft profiles will be provisioned in the application.

This process ensures compliance with U.S. export laws and protects sensitive military data.

1.4 Data Syncing

Due to security policies, many military users cannot utilize full data synchronization. ForeFlight Military Flight Bag supports Conditional Sync, which categorizes data to allow only non-sensitive items to sync across devices.

For organization-level accounts, administrators control the categories of data that sync. Individual users in such accounts cannot modify these settings.

> **NOTE:** Ensure the ForeFlight Military account permits Data Sync and that Synchronize User Data is enabled on all devices.

MILITARY-THEMED APP ICON

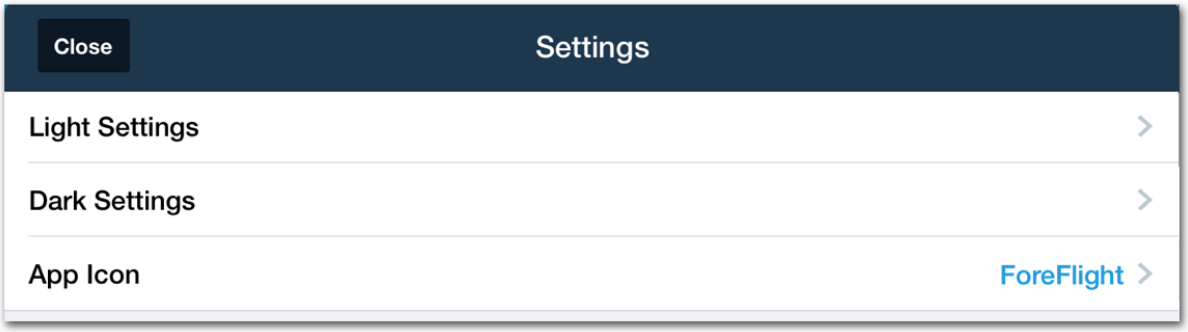
ForeFlight Military Flight Bag (MFB) users have the option to use a military-themed app icon. The MFB icon selection does not affect app functionality.



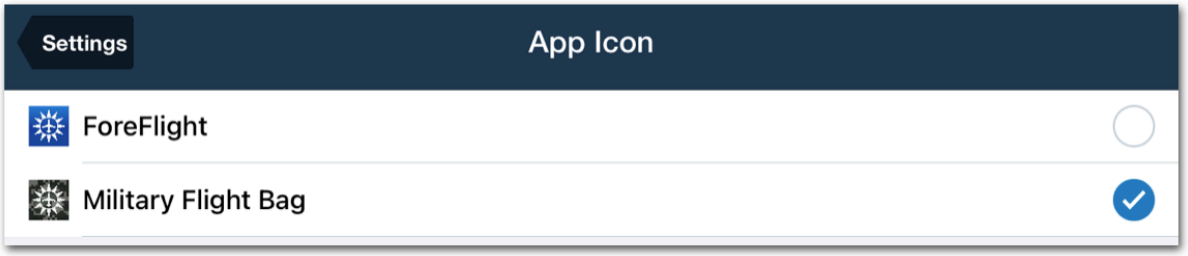
2.1 Enabling the MFB App Icon

To change the app icon to the military-themed variant:

1. Open **ForeFlight Mobile**.
2. Go to **More → Settings**.
3. Scroll to the **App Theme** section.
4. Tap **App Icon**.



5. Select the **Military Flight Bag** icon from the available options.



A confirmation pop-up will appear indicating the app icon has been changed.

6. Select **OK**.

2.2 Supported Display Modes

The military app icon supports all iOS display modes:



Figure 2-1. Light Mode



Figure 2-2. Dark Mode



Figure 2-3. Tinted Mode

2.2.1 Changing Display Mode

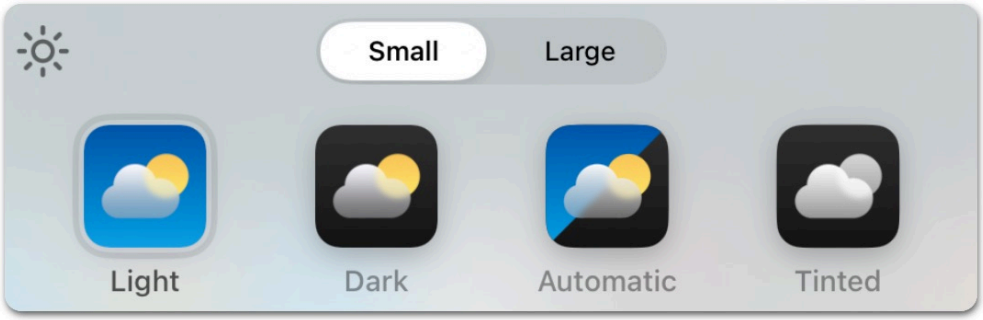
To change the display mode (light, dark, or tinted):

1. Touch and hold the Home Screen until the app icons jiggle.
2. Select **Edit** in the upper left.

3. Select **Customize**.



4. Choose from **Light**, **Dark**, or **Tinted** modes.



MFB SPECIFIC DATA

ForeFlight Military Flight Bag contains additional data not available in civilian ForeFlight Mobile subscriptions. This data includes global mission planning charts, Department of Defense (DOD) data-driven Aeronautical Maps, optional integration with the Jeppesen Military Charting Service (JMCS), and support for importing documents and custom content.

3.1 DOD Documents

An MFB subscription includes two document drives:

- **CENOR FLIP** (Central and Northern Region Flight Information Publication)
- **DOD**.

DOD documents cannot be exported from ForeFlight Mobile, except for the military flight plan form and legend.

3.1.1 Downloading CENOR FLIP or DOD Documents

Documents are not downloaded by default. To download:

1. Tap **Documents** on the navigation toolbar.
2. Select either the **CENOR FLIP** or **DOD** drive.
3. Tap the download icon on individual documents, folders, or drives to initiate downloads. A green checkmark indicates downloaded items.

3.1.2 CENOR FLIP Drive

The CENOR FLIP drive provides three files that contain instrument procedures for multiple European countries.

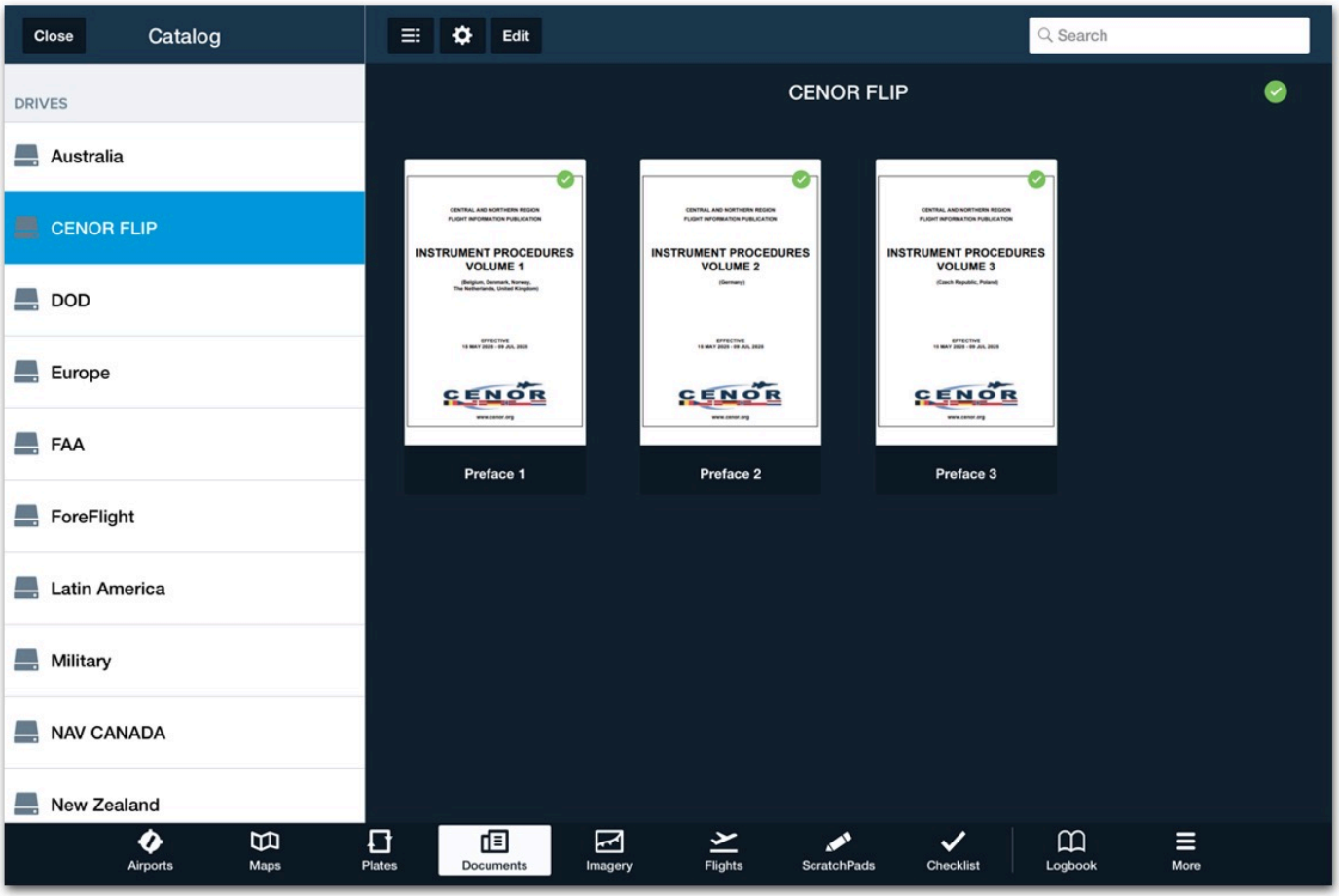


Figure 3-1. CENOR FLIP Document Drive

3.1.3 DOD Drive

The DOD drive contains various folders and documents. The folders include:

- AIS-AF
- Enroute Change Notice
- Legends
- Planning Change Notice
- Planning Docs
- Supplements (DOD FLIP)
- Terminal Change Notice.

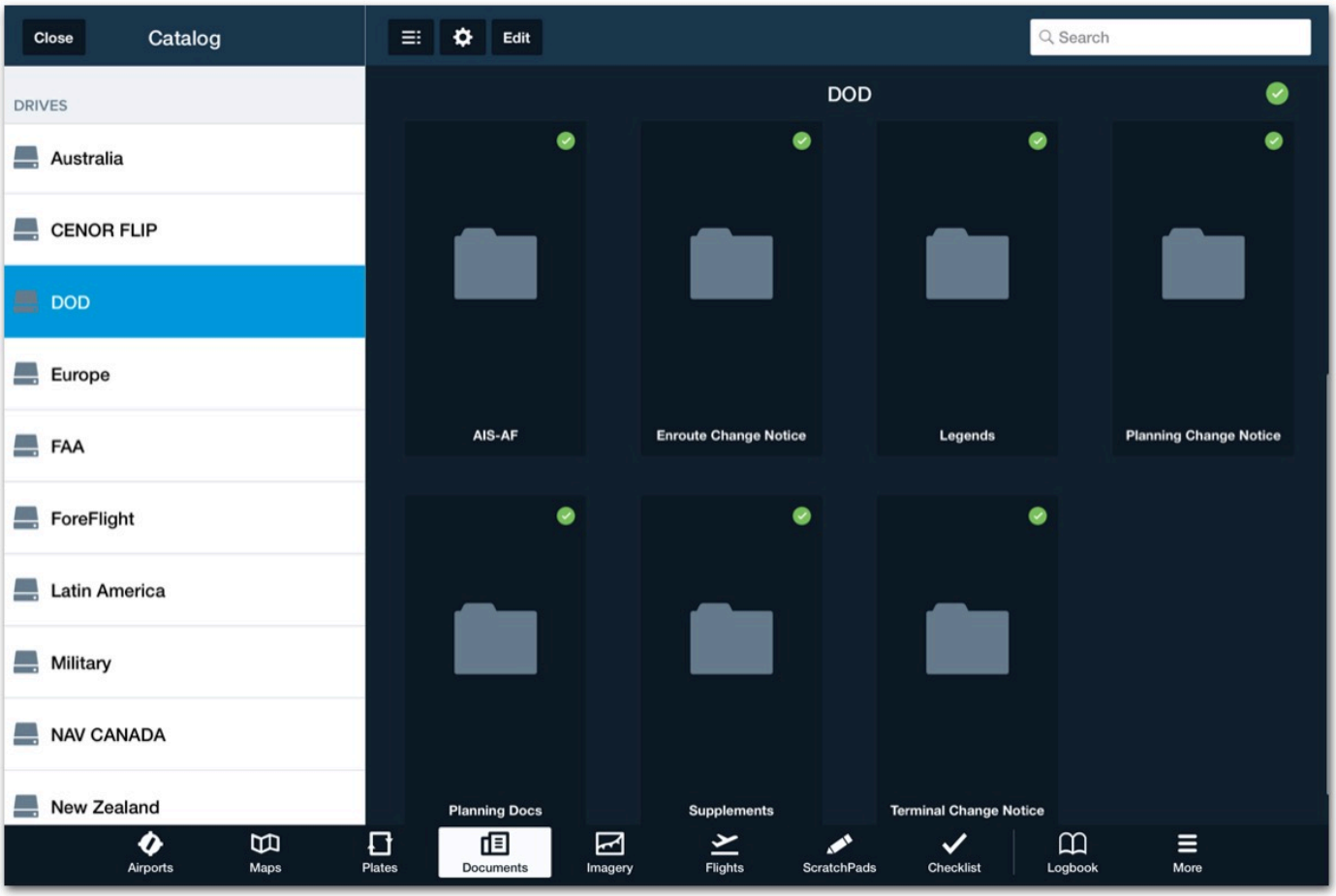


Figure 3-2. DOD Document Drive

3.2 Jeppesen Military Charting Service (JMCS)

ForeFlight Military Flight Bag supports integration with the Jeppesen Military Charting Service. Log in to www.jeppesen.com to link a Jeppesen account, then enter the same credentials in **More ➔ Jeppesen** within ForeFlight Military Flight Bag to begin downloading charts.

Pilots with JMCS credentials can access Jeppesen data by entering credentials in **More ➔ Jeppesen**. Those without credentials must register through the Charts Online Registration process.

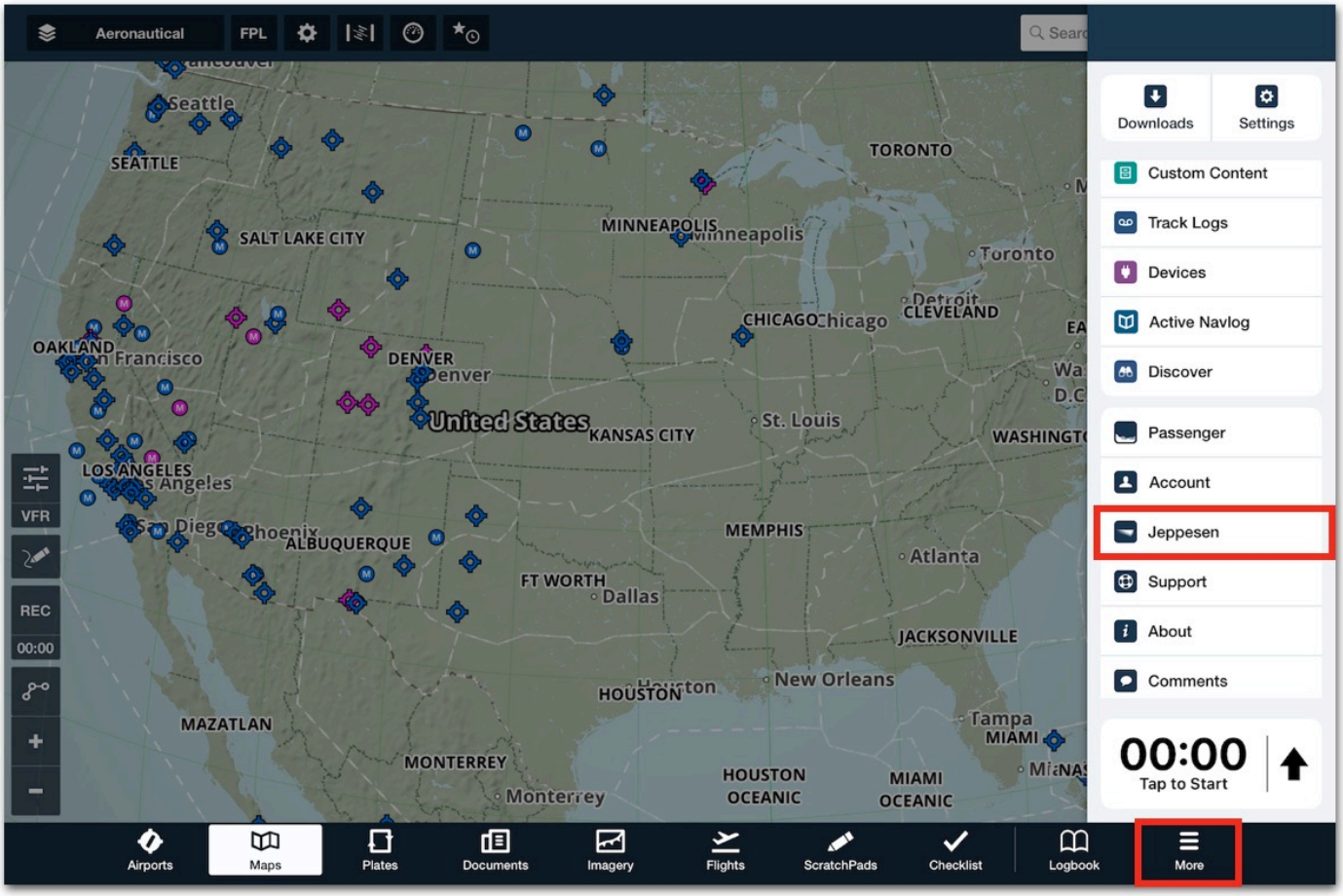


Figure 3-3. Jeppesen in the More menu

3.3 NavPlan Charts (Mission Planning Charts)

Downloaded mission planning charts, including JOG, TPC, ONC, and Range Charts, can be toggled from the **Layer Selector** at the top left of the **Maps** view. Only one chart type may be displayed at a time.

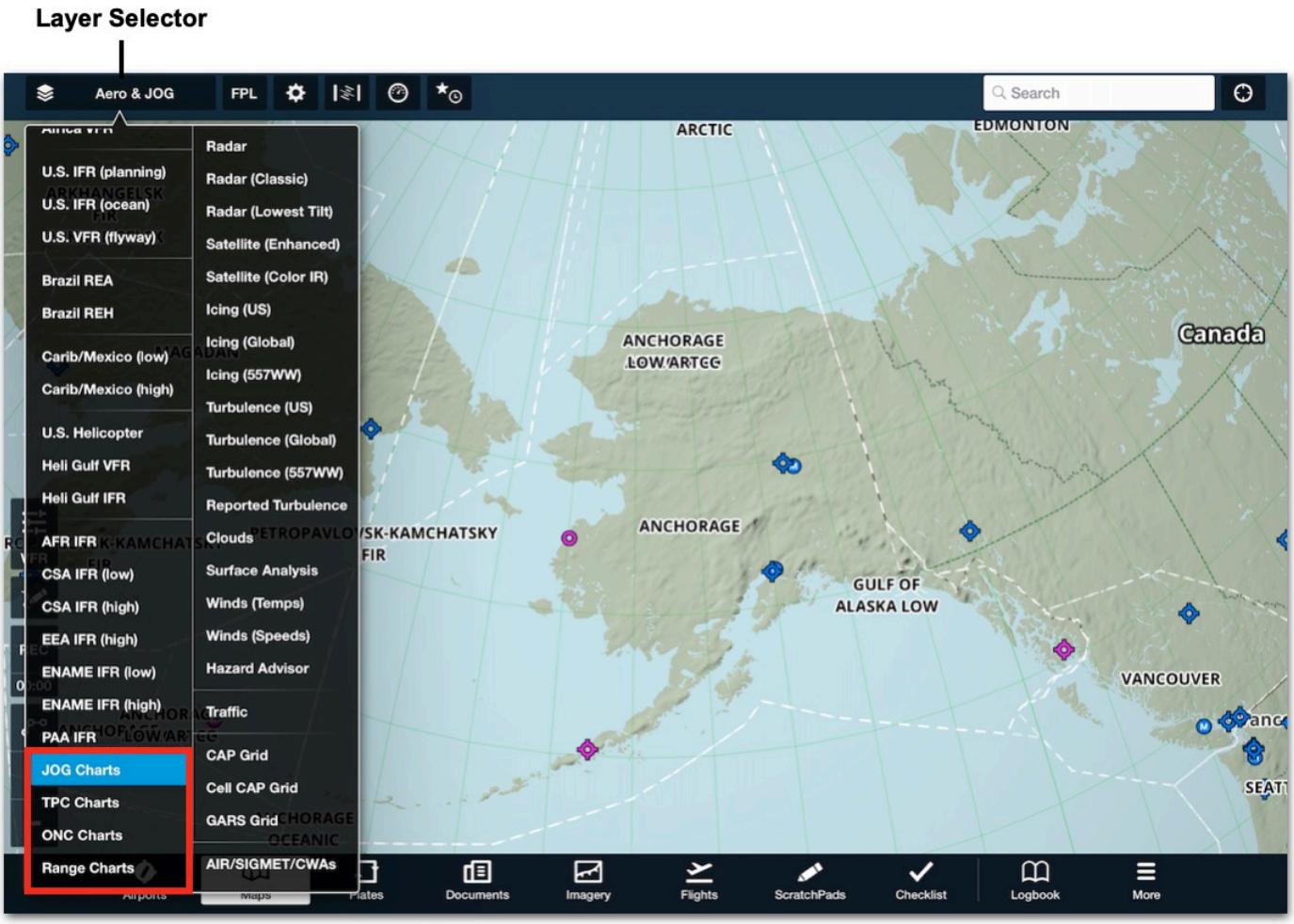


Figure 3-4. Mission Planning Charts in Layer Selector

3.3.1 Configuring Mission Planning Charts for Download

Mission Planning Charts are configured under **More → Downloads → NavPlan Charts**. Selecting an item for download initiates the download if it is not already installed.

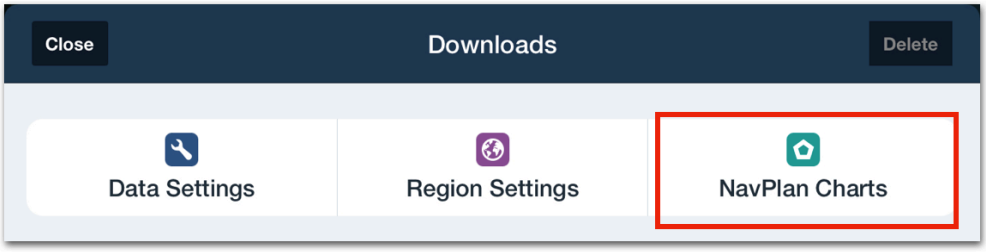


Figure 3-5. Download Settings Buttons

NavPlan Charts defines the geographic areas for which data will be downloaded for the following chart types:

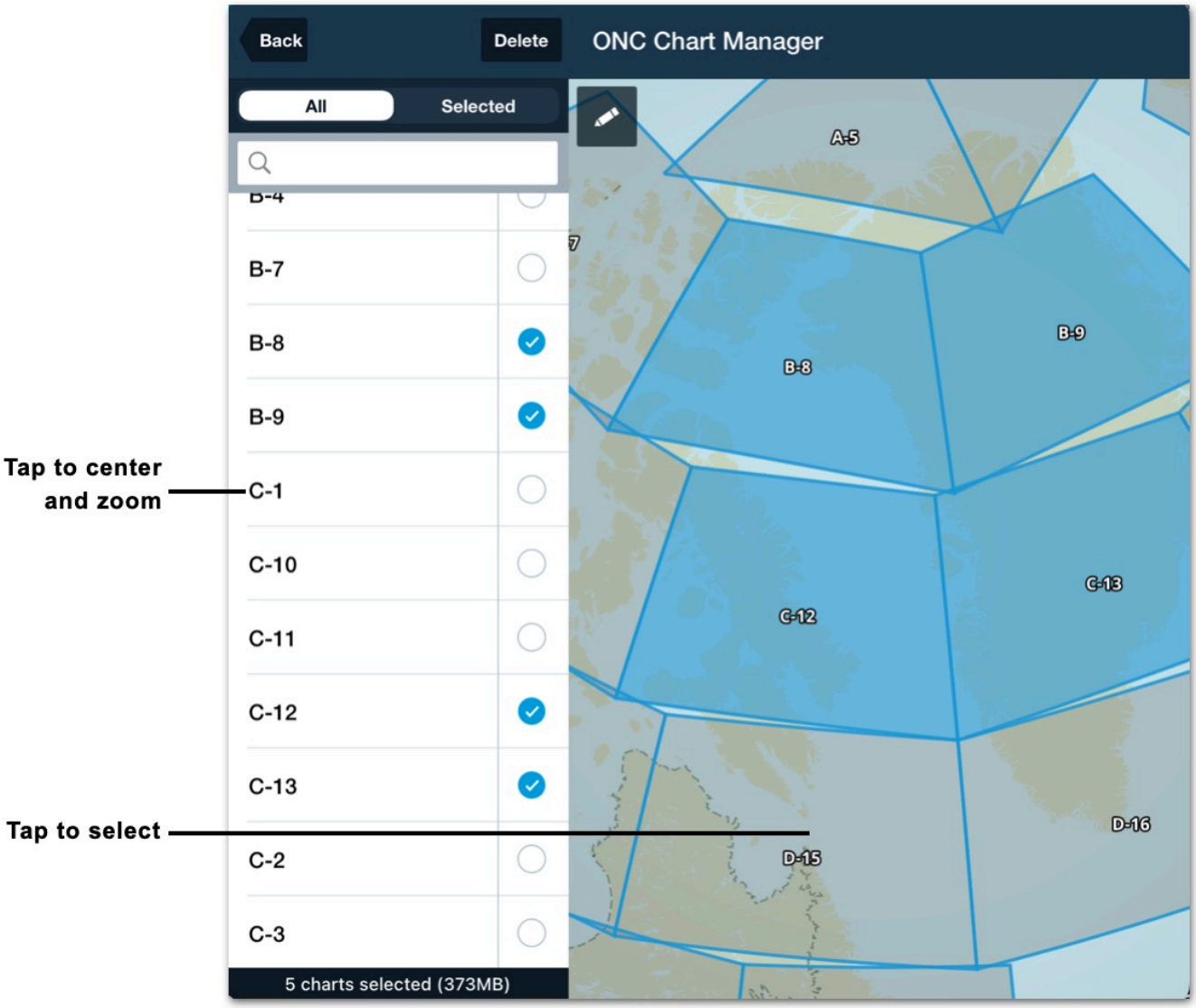
- Joint Operations Graphics (JOG)
- Tactical Pilot Charts (TPC)
- Operational Navigation Charts (ONC)
- Range Charts

Charts can be selected using one of the following methods:

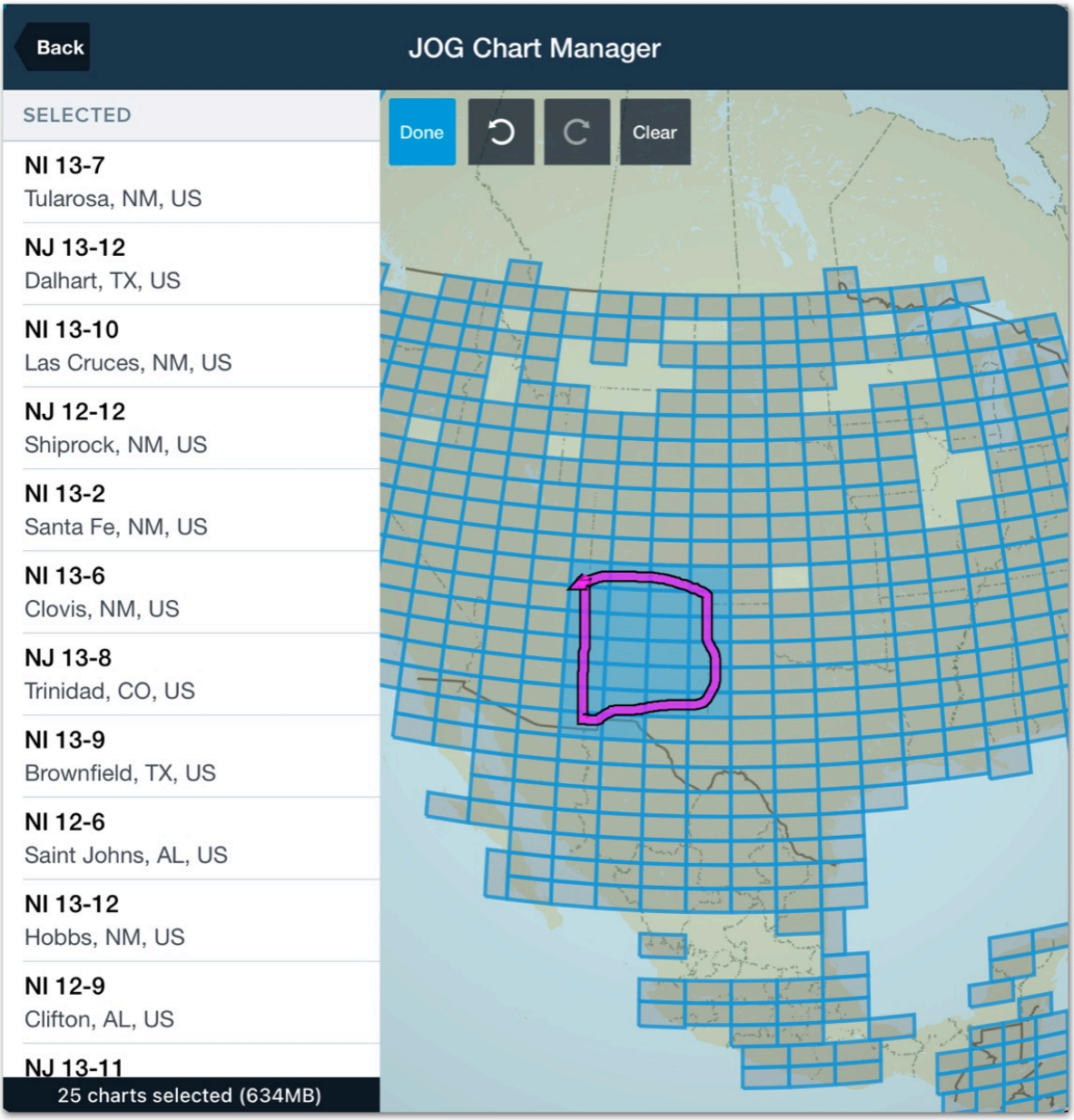
- **List Method:** Tap the **checkbox** next to the chart name.



- **Map Method:** Tap the desired charts on the map view, or tap the chart name in the list to center the map on it. Then, select the charts from the map.



- **Draw Method**: Tap the pencil icon and draw a circular area to select charts within that region.



Selected charts are marked with a blue checkmark. Downloaded charts show green. The required disk space for selected charts is displayed at the bottom of the list.

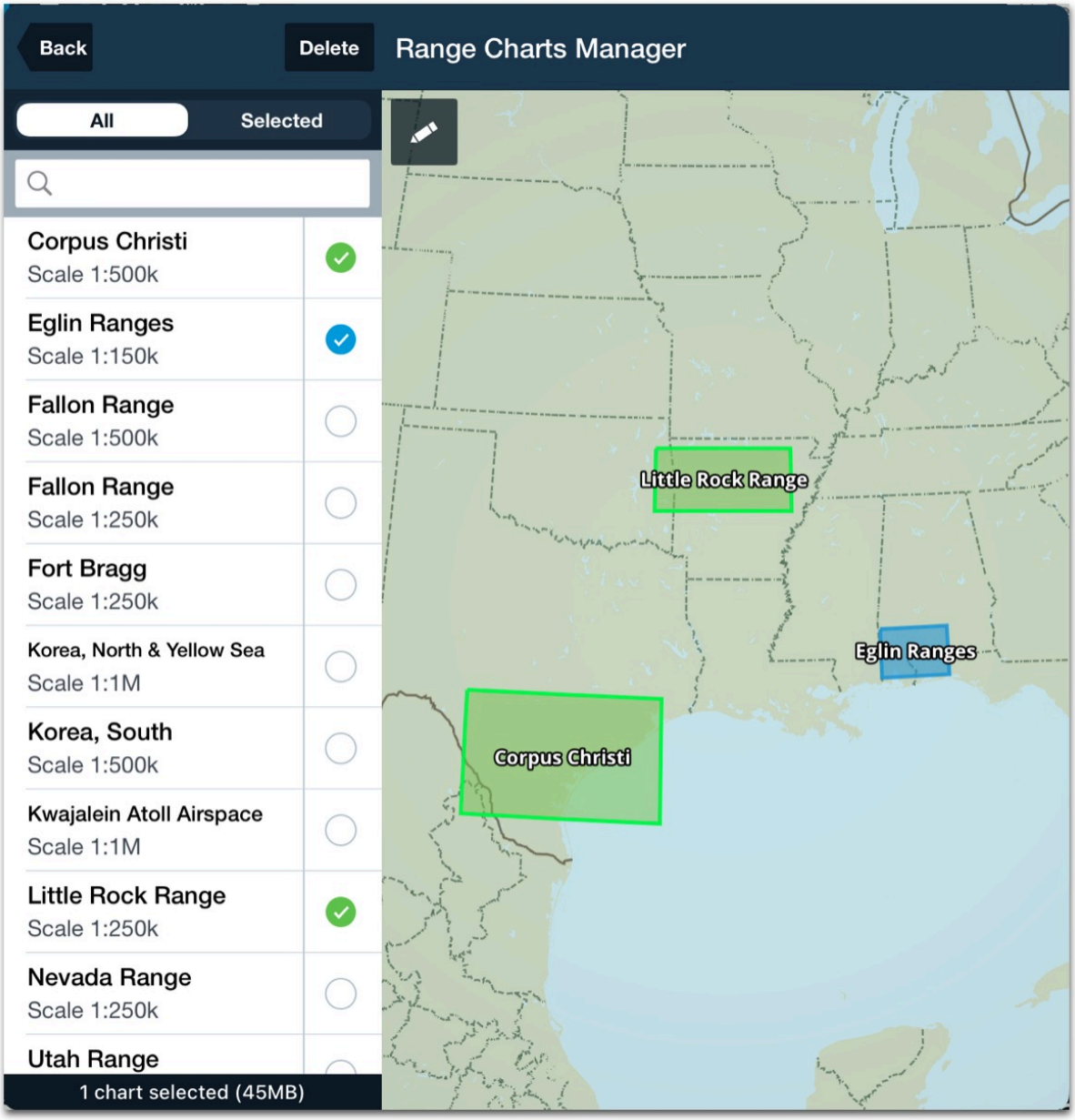


Figure 3-6. Downloaded (Green) and Selected (Blue) Charts

Tap the **Selected** button (above the list) to view only previously selected and downloaded charts. Tap **Back** to confirm and download selections.

3.3.2 Deleting Mission Planning Charts

To delete Mission Planning Charts:

1. Tap **Delete** in the upper toolbar to clear selections or remove previously downloaded charts.

   If no charts are downloaded, the **Delete** button will only clear the selections.

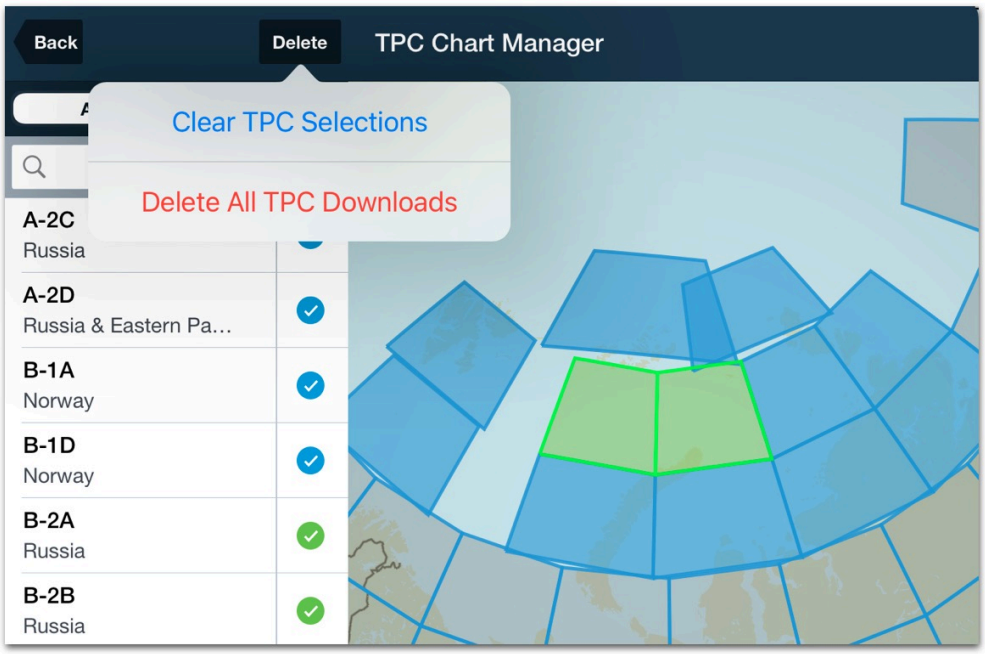


Figure 3-7. Deleting and Clearing Chart Selections

2. To return to NavPlan Charts, tap the **Back** button in the menu's upper left corner.

3.4 NOTAM Sources

NOTAMs are sourced via the Jeppesen NOTAM Distribution System (JNDS), which aggregates data from:

- Defense Internet NOTAM Service (DINS)
- Defense Aeronautical Information Portal (DAIP)
- Domestic Host Nation NOTAM feeds.

CUSTOM CONTENT

ForeFlight Military Flight Bag supports importing custom data such as user waypoints, geographic overlays, and geo-referenced charts via remote sideloading, email attachment, AirDrop, or hyperlink. Supported file types include:

- CSV
- GeoJSON
- GeoTIFF
- Geo-Referenced PDFs
- KML
- KMZ (with restrictions)
- Open-Source MBTiles

Custom Content is stored under **More → Custom Content**. It is typically viewed on the Maps view. Map layers can be toggled on or off. Common overlays include drop zones, parachute landing zones, and restricted areas.

Custom icons can be bundled in KMZ files. Images and documents can be associated with waypoints. Custom departure, approach, or taxi procedures can include images and icons. FalconView-compatible content may be imported if exported as KML, KMZ, GeoPDF, or GeoJSON. Native FalconView formats are not supported. Common Route Definition (CRD) files from FalconView are also supported.

For more information about importing custom data, refer to the Custom Content chapter in the ForeFlight Mobile Pilot's Guide, available in the app via **Documents → ForeFlight** or online at www.foreflight.com/support/pilots-guide.

4.1 Giant Reports

Airfield Suitability and Runway Reports (ASRRs) and Giant Reports cannot be hosted by third-party apps but may be imported by following these steps:

1. On the mobile device with ForeFlight Mobile installed, visit aerodata.nga.mil.
2. Log in with a Common Access Card (CAC) to download Giant Reports. Do not rename or unzip files.
3. Tap the downloaded Giant Reports and select the option to open with ForeFlight Mobile.

   The Giant Report Content Pack will appear under **More ➔ Custom Content ➔ Content Packs**.

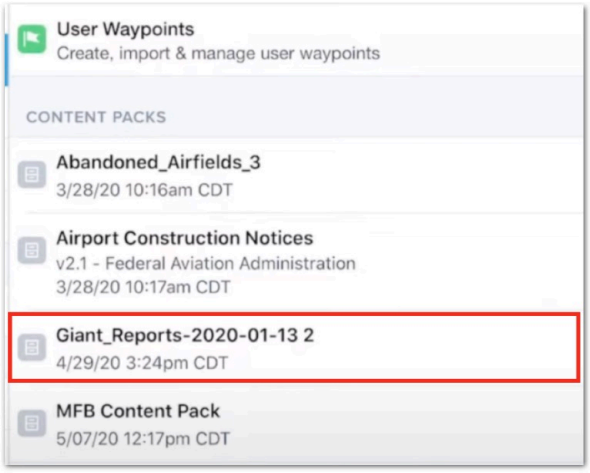


Figure 4-1. Giant Report Content Pack

4.1.1 Giant Report Expiration Dates

Giant Reports expire eight days after the publication date in the filename. Expired reports show a red `Expired` banner but remain accessible.

Giant Reports are coded by airport code. To view Giant Reports:

1. Go to the **Airports** view.
2. Enter an airport code.

3 Navigate to **Procedures → Other**.

The Giant reports for that airport will appear.

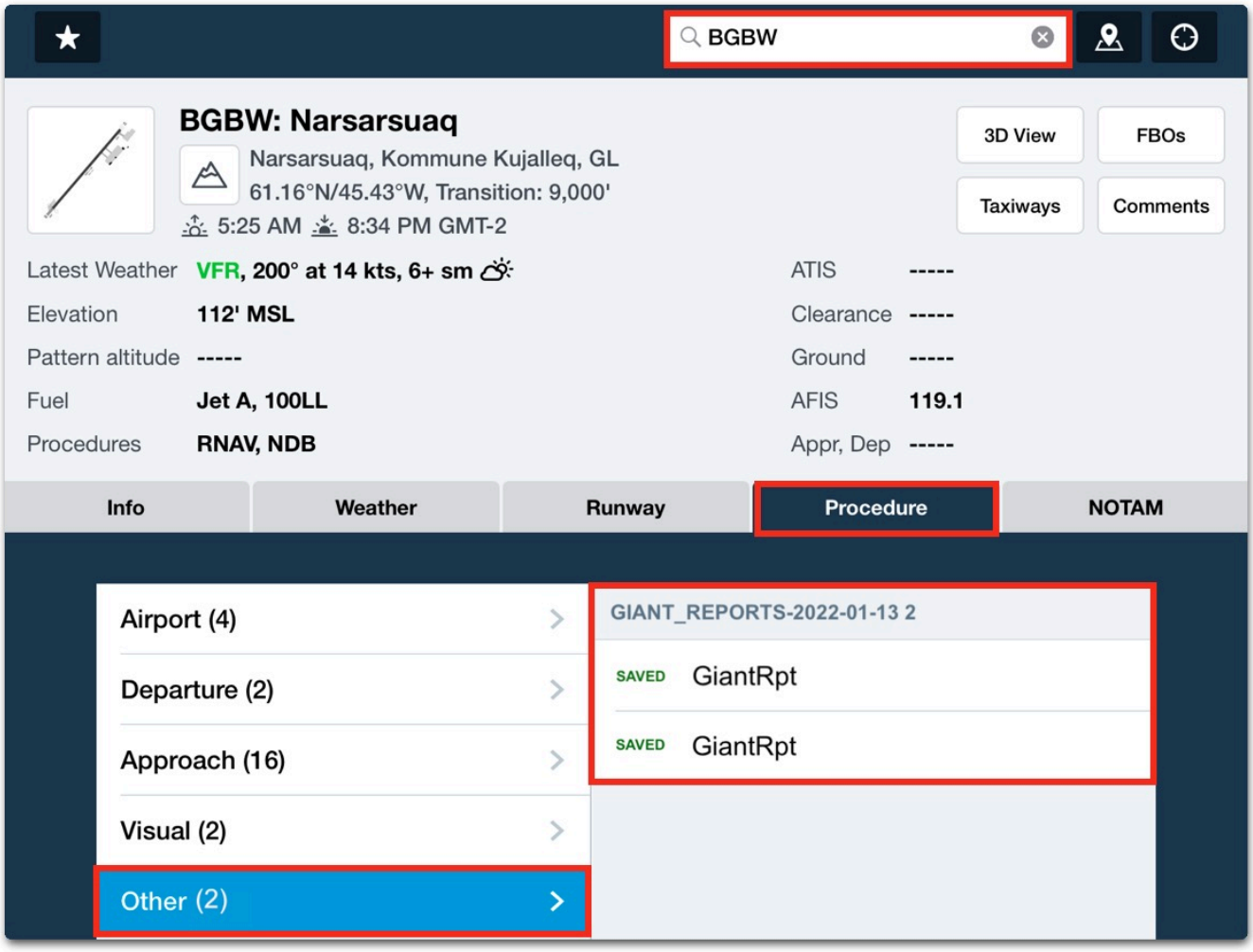


Figure 4-2. Giant Reports under Airports → Procedures → Other

4.2 Importing GeoTIFF Custom Charts

Importing GeoTIFF custom charts requires ForeFlight Military Flight Bag and ForeFlight Mobile version 14 or later. GeoTIFFs may be imported via Content Pack (recommended) or as individual files.

Custom charts must be added to the "layers" subfolder to import via Content Pack. For information related to Content Packs, see ForeFlight Content Packs.

4.2.1 Import Methods

To import a stand-alone GeoTIFF file, use one of the following methods:

- Mail app
- Finder
- Files app
- Direct link

4.2.1.1 Import via the Mail App

Import a GeoTIFF file via the Mail app using the following steps:

1. Open the device with ForeFlight Mobile installed.
2. Tap the attachment within the Mail app to open or view it.
3. Tap the **Send-To** button
4. Scroll right through the apps and tap **ForeFlight**.

4.2.1.2 Import via Finder

Import a GeoTIFF file via Finder by performing the following steps:

1. Open the device with ForeFlight Mobile installed.
2. Drag the files to the app on the device.

   Finder will copy the files to the device.

4.2.1.3 Import via the Files App

Import a GeoTIFF file via the Files app by performing the following steps:

1. Open the device with ForeFlight Mobile installed.
2. Open the Files app and navigate to the file to copy.
3. Tap the file to open it.
4. Tap the **Send-To** button.
5. Scroll through the apps and tap **ForeFlight**.

4.2.1.4 Direct Link

Tap a valid hyperlink to open in ForeFlight Mobile.

> **NOTE:** Individual GeoTIFF files can only be imported via AirDrop if part of a Content Pack.

4.2.2 File requirements

ForeFlight Mobile only supports GeoTIFF files that meet the following criteria:

- Extension: .tif, .tiff, .TIF, .TIFF
- Coordinate Reference System (CRS): EPSG:4326 - WGS84

Unsupported files without geospatial data are imported as documents only.

4.2.3 Importing Common Route Definition (CRD) Flight Plan Files

ForeFlight Mobile supports importing and viewing CRD files on the map from mission planning systems, including:

- Joint Mission Planning System (JMPS)
- Combat Flight Planning Software (CFPS)
- Portable Flight Planning Software (PFPS).

To import, use email, AirDrop, or iTunes:

1. On the device with ForeFlight Mobile installed, open the Mail app.
2. Tap the file to access the Share window.
3. Tap **ForeFlight** to import and add to the FPL.

Only one CRD route may be added at a time. Imported routes can be saved as favorites and shown in **Favorites** or **Recent Routes**. Local waypoints not in ForeFlight Mobile already are saved as user waypoints (Custom Content). Altitude and speed values are displayed next to each waypoint.

4.3 Sharing Custom Content

To share Custom Content:

1. Tap **More → Custom Content**.
2. Tap an item.
3. Tap the **Send To** icon in the upper right.

Shared items must be sent as complete files or bundles.

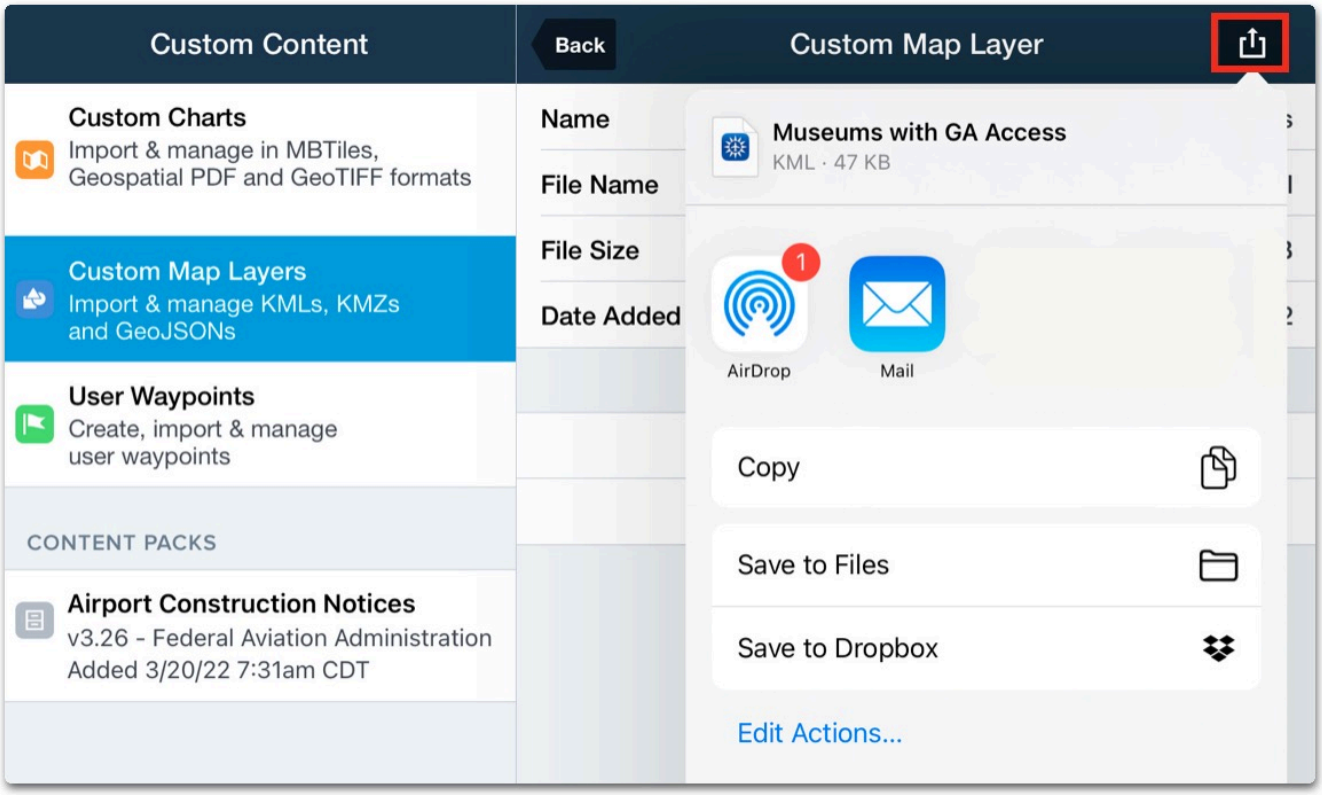


Figure 4-3. Share Menu

IMPORTING (SIDELOADING) NGA DATA

Sideloading allows data to be installed onto multiple iOS devices without an internet connection. This option is useful in remote environments where connectivity is limited. Data is transferred using a computer, external drive, or SD card preloaded with the necessary files.

To begin:

1. Connect a laptop or desktop computer to a reliable internet connection.
2. Go to plan.foreflight.com.
3. Select **Data Downloads** from the sidebar.
4. Select **View Bundle** next to a region to display available data.
5. Select **Download** for each file.
6. Transfer files to the appropriate storage medium (computer, external drive, or SD card).

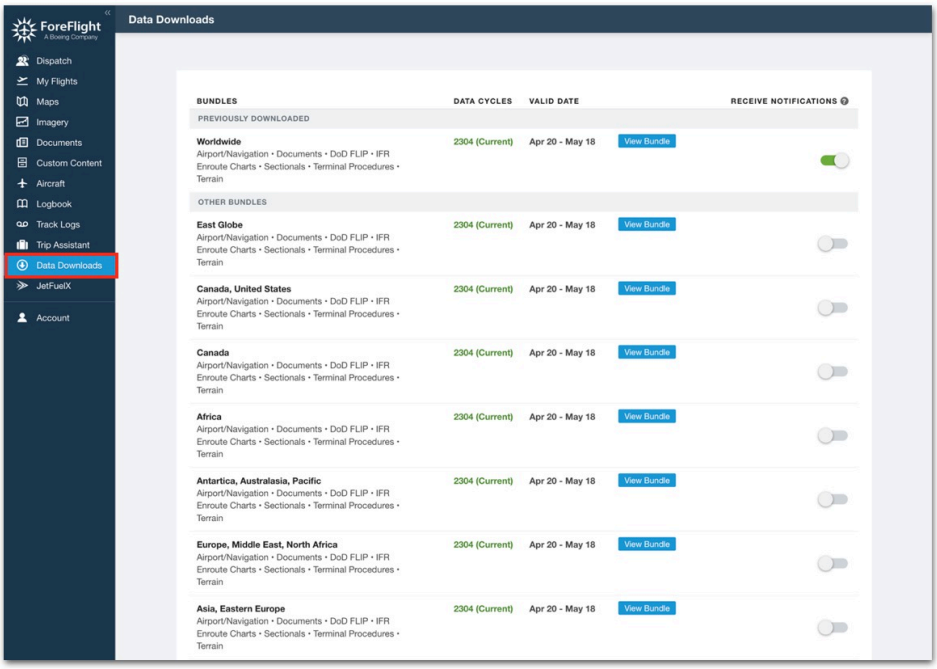


Figure 5-1. ForeFlight Web Data Downloads

5.1 Sideloading Methods

Four sideloading methods are supported. Instructions for each method are available on the **View Bundle** view:

- **Apple Configurator:** Ideal for simultaneous installation on multiple devices.
- **SD Card:** Ideal for portability.
- **Finder:** Used for Mac computers running macOS 10.15 or later.
- **iTunes:** Used for Mac computers running macOS 10.14 or earlier.

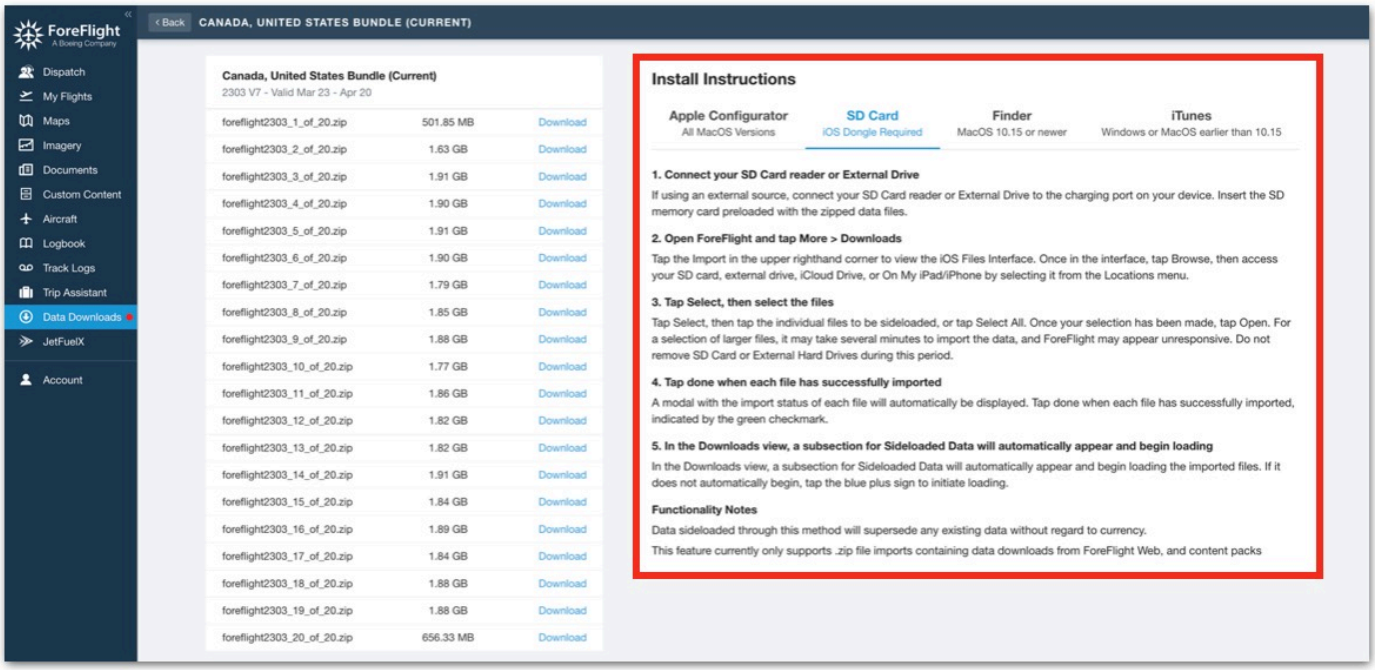


Figure 5-2. Data Download Installation Instructions

> **IMPORTANT:**
>
> - If using a computer, unzip each downloaded file into a separate folder. Do not merge or rename folders.
> - If using an SD card or direct-to-device transfer, do not unzip files.

After sideloading, open ForeFlight Mobile. The app automatically installs the data and displays a notification upon completion. Installed data appears in the **Downloads** view.

5.2 Importing Data

The **Import** button in the **Downloads** view of ForeFlight Mobile enables the installation of specific data types without requiring an internet connection. Although similar to sideloading NGA data, this method is initiated directly within the ForeFlight Mobile app.

This method supports importing data from:

- An SD card
- An external drive
- The iOS device's file system

Only `zip` files can be imported through this method. Supported formats include:

- NGA data bundles from www.plan.foreflight.com/downloads
- Content Packs

5.2.1 Installing a Data Bundle or Content Pack

To install a data bundle or Content Pack without an internet connection:

1. Connect an SD card reader or external drive to the iOS device (if needed).
2. Insert the SD card preloaded with zipped data files, if applicable.
3. Open ForeFlight Mobile and go to **More ➔ Downloads**.
4. Tap the **Import** button at the bottom of the view.
5. Locate the zip file(s) using the iOS file browser (from SD card, external drive, iCloud, or local storage).
6. Select the desired file(s).

7 Tap **Open**.

ForeFlight Mobile begins importing the selected data.

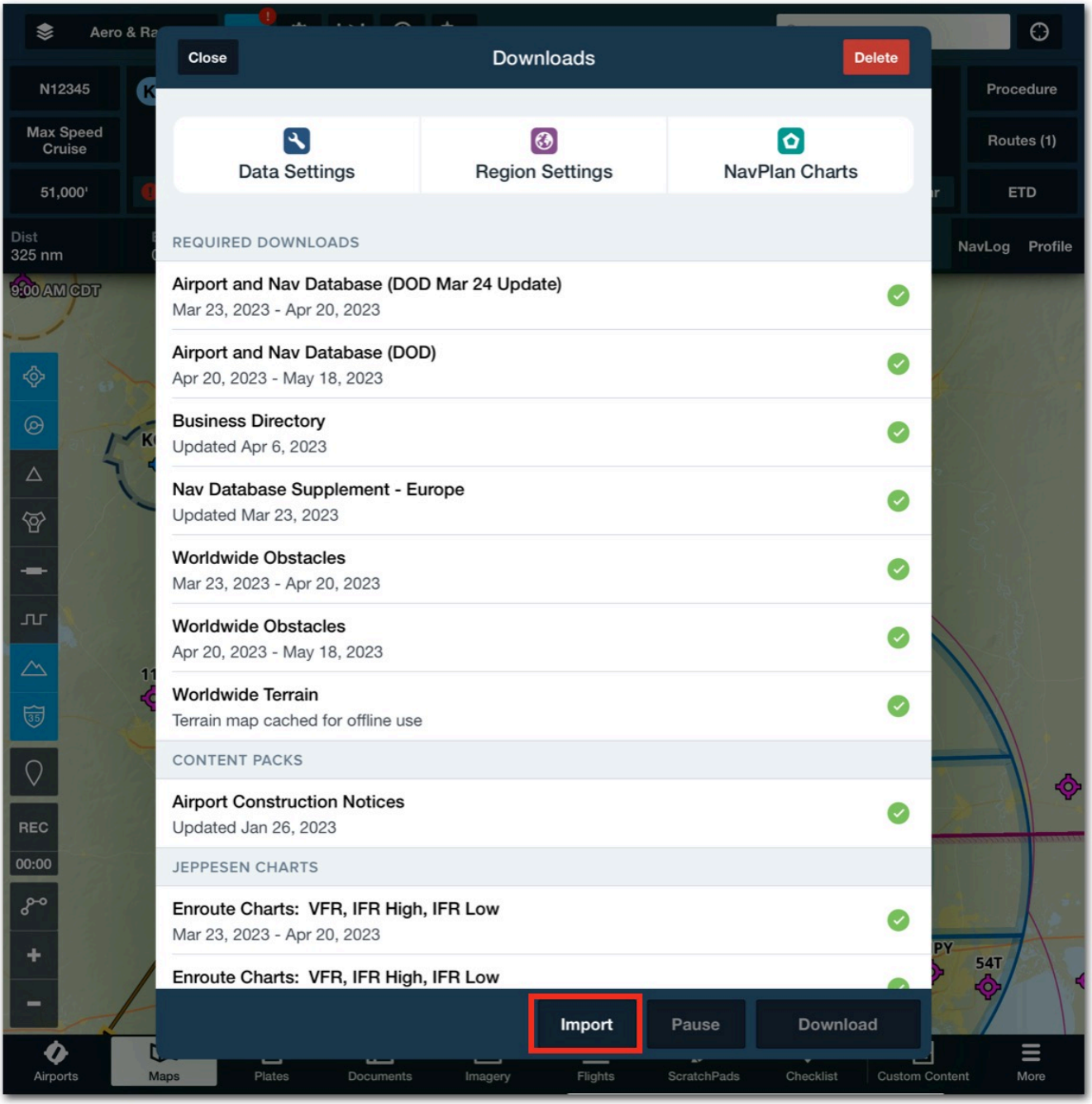


Figure 5-3. Downloads View - Import Button

After Importing:

- **Data Bundles** are installed automatically. A pop-up confirms the number of files installed and remaining device storage.

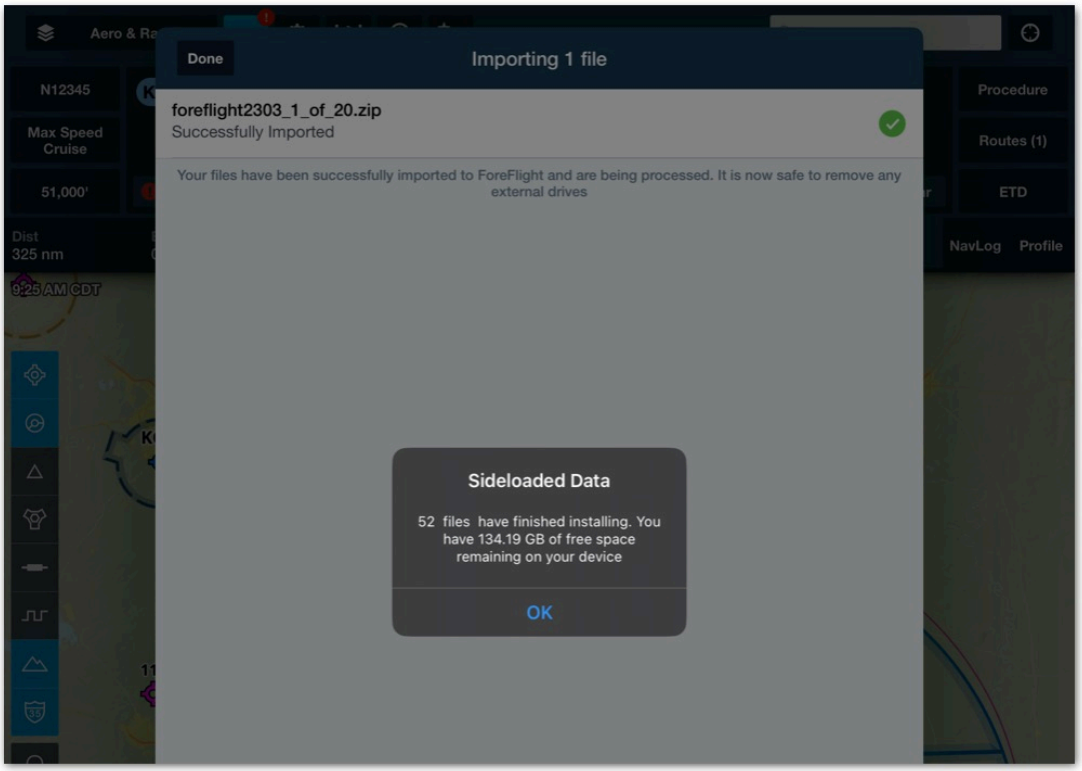


Figure 5-4. Data Bundle Successfully Installed

- **Content Packs** trigger a pop-up upon completion, with options to Dismiss or View in Custom Content.

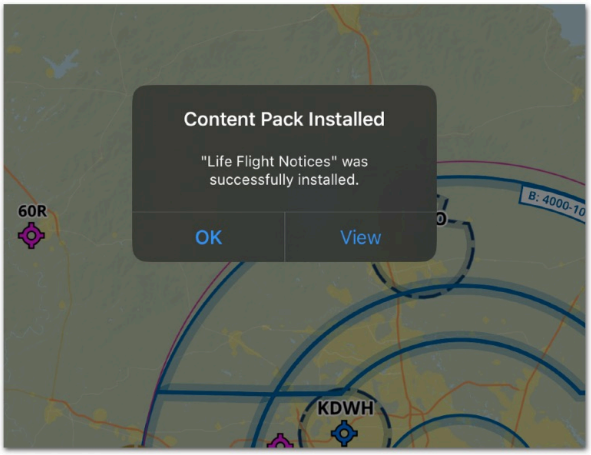


Figure 5-5. Content Pack Successfully Installed

> **IMPORTANT:** Large file imports may take several minutes. During this time, ForeFlight may appear unresponsive. Do not disconnect the SD card or external drive until the import is complete.

EXPORTING FLIGHT DATA (DISPATCH)

Users with ForeFlight Military Flight Bag Dispatch accounts and EFB Bridge privileges can export saved flights in up to six formats:

> **WIFS Message**
>
> Adds Most Critical ETP scenario details as plain text at the bottom of the WIFS message.

> **Common Route Definition (CRD)**
>
> Provides detailed flight path and timing in XML format.

> **Keyhole Markup Language (KML)**
>
> Contains route waypoints and estimated times of arrival (ETAs) in Zulu time. The KML file is saved to the user's Downloads folder.

> **Electronic Flight Folder**
>
> Includes all flight documents and ARINC 633 data.

> **ARINC 633 OFP (XML)**
>
> Contains only ARINC 633 flight data in XML format.

> **MilPlanner (XML)**
>
> Exports the flight data in an XML format compatible with MilPlanner systems.

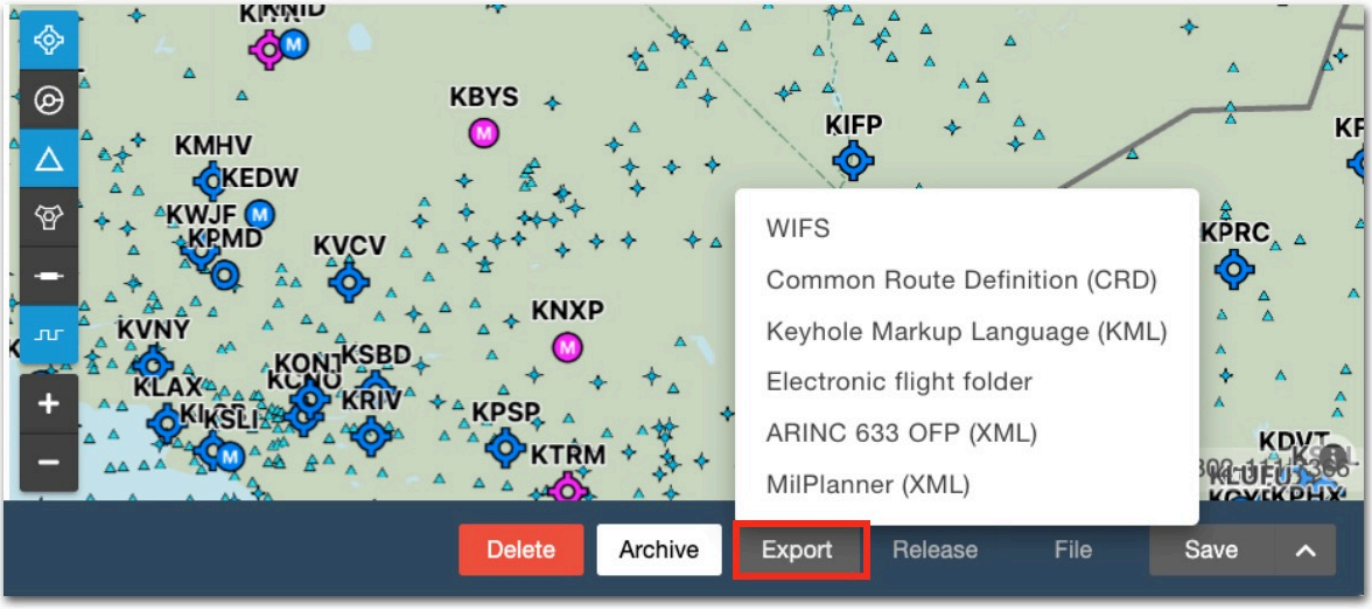


Figure 6-1. MFB Dispatch Export Options

The EFB Bridge feature enables flights planned in MFB Dispatch to be accessed from other EFB applications.

To request EFB Bridge access, contact team@foreflight.com.

MILITARY TRAINING ROUTES (MTR)

Military Training Routes are included with all ForeFlight Military Flight Bag subscriptions. These routes are part of the DOD Airport and NAV Database, available for download from the **Downloads** view.

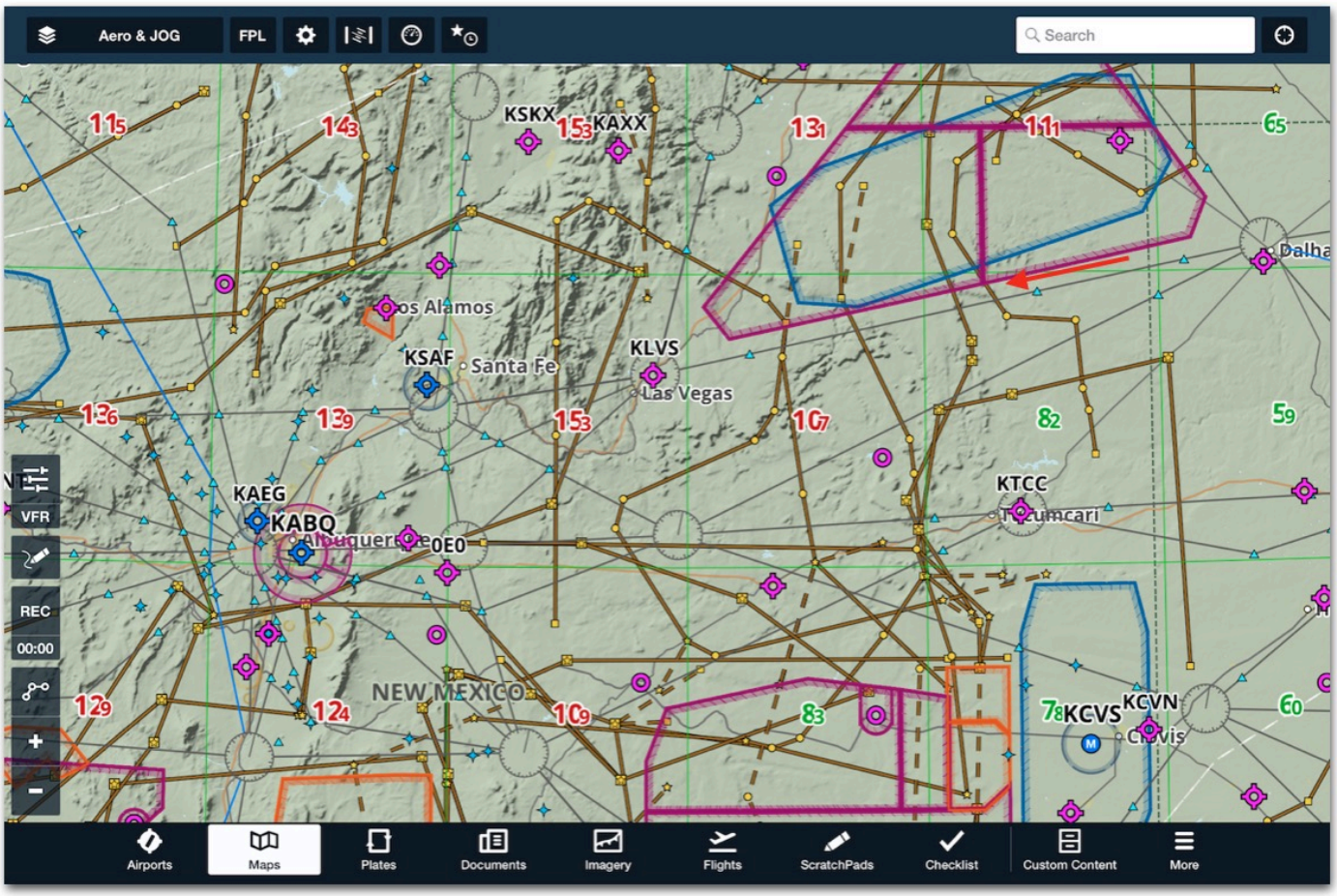
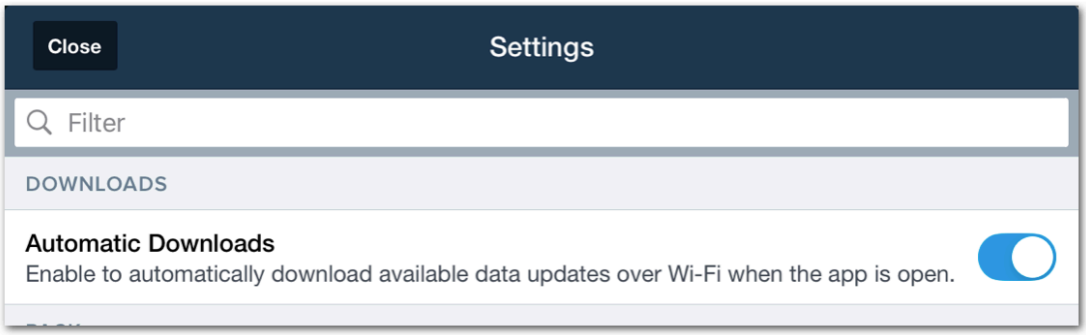


Figure 7-1. Military Training Routes on the Map

To ensure the most current MTR data is installed:

1. Go to **More → Settings**.

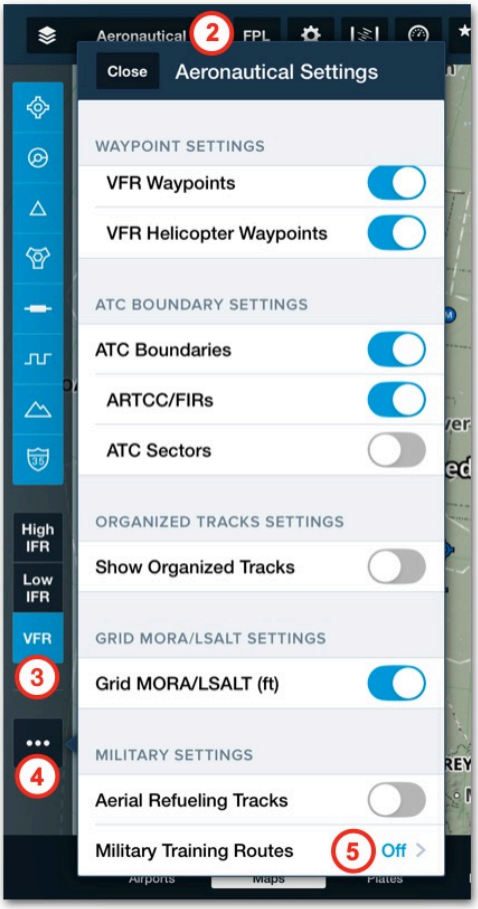
2 Verify that **Automatic Downloads** is enabled.



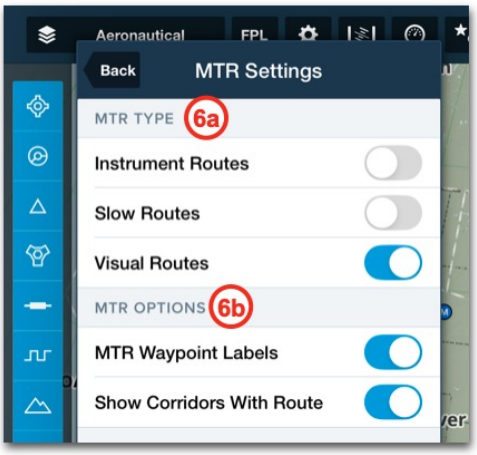
7.1 Displaying MTRs on the Map

MTRs are displayed as part of the Aeronautical map layer on the Maps view. To enable MTRs to be viewable on the Map, follow these steps:

1. Open the **Maps** view.
2. Enable the **Aeronautical** layer using the **Layer Selector**.
3. Choose an Aeronautical map mode (**IFR High**, **IFR Low**, **VFR**).
4. Tap the **Settings** button (three dots).
5. Tap **Military Training Routes** to access display options.



6 Select desired items for display under **MTR Type** and **MTR Options**.



When enabled, MTRs appear as yellow or brown lines on the map, depending on the selected app theme under **More ➔ Settings**. Yellow labels identify route names. MTR waypoints appear along the route and are labeled only if that setting is enabled.

7.2 MTR Route Symbology

The Military Training Route Symbols table shows the symbols used for military training routes (MTRs) and their meanings.

Table 7-1. Military Training Route Symbols

Symbol	Meaning
	Entry points
	En route points
	Exit points

Points with multiple uses show overlapping symbols.

7.3 Adding MTRs to a Route

To add an entire Military Training Route (MTR), use one of the following methods:

- Enter the MTR name in the FPL Editor on the Maps view.
- Tap a segment of the MTR on the map, then tap **Add [Route Name]**.



When an MTR is added to a route in the Maps FPL Editor, its corridor will be highlighted on the map. The highlighted route display includes directionality, alternate segments, maneuvering areas, and waypoint crossing altitudes.



Figure 7-2. Highlighted MTR Route

7.4 Accessing MTR Information

Detailed information for military training routes (MTRs) is available through interactive map elements, including waypoint data, route-specific data, and tools for highlighting routes not included in the active flight plan.

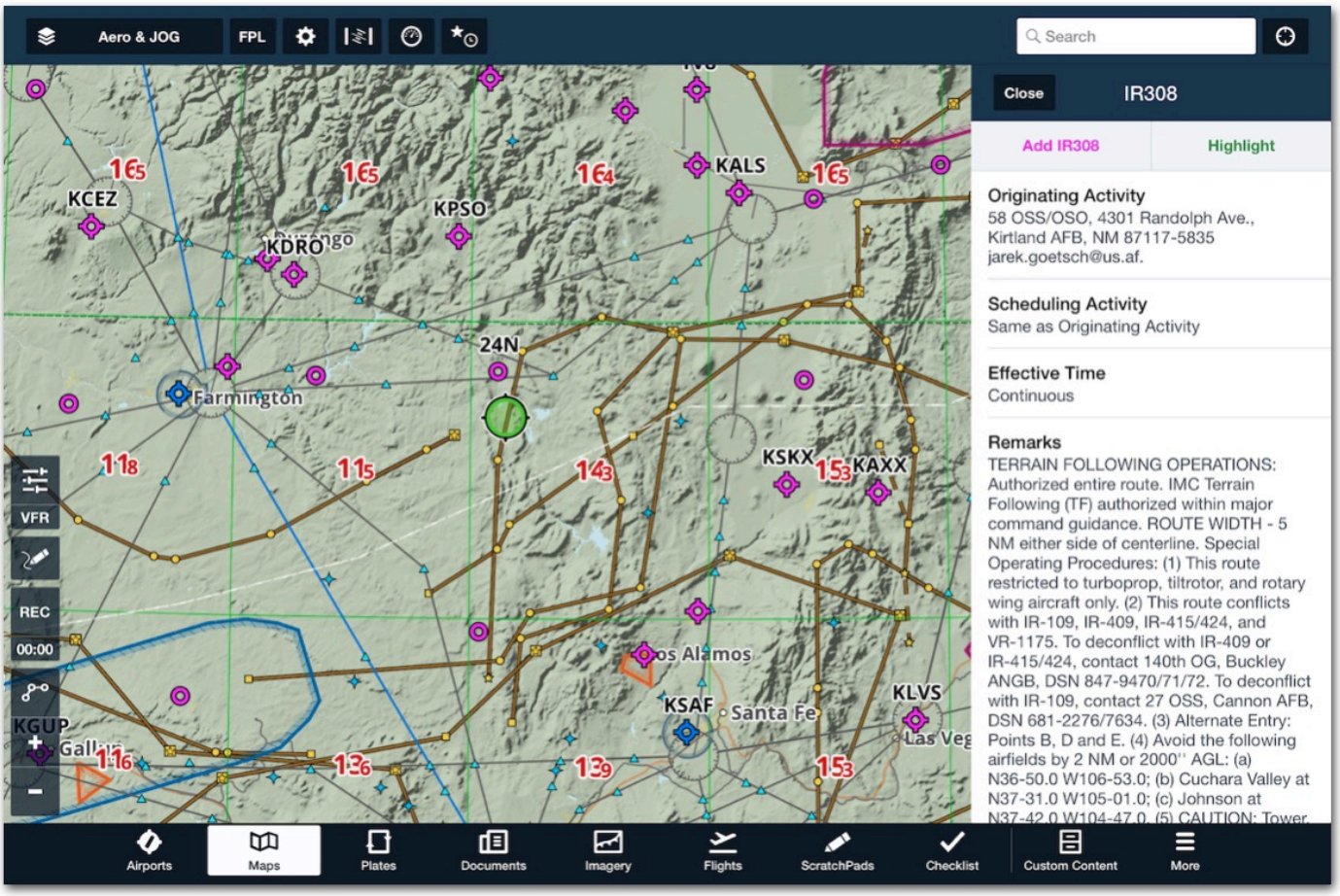


Figure 7-3. MTR Route Information in Slide-Over

7.4.1 Waypoint Details

Tap each MTR waypoint to view:

- Option to add the waypoint to the route
- Waypoint crossing altitude
- Corridor width
- Distance and bearing to the waypoint
- Waypoint location relative to the nearest NAVAID.

7.4.2 Route Information

Tap anywhere along an MTR (not on a waypoint) to view:

- Originating activity
- Scheduling activity
- Effective times
- Remarks

7.4.3 Highlighting a Route Not in FPL

To visually emphasize a route outside the active flight plan, tap anywhere on the route, excluding waypoints. In the slide-over panel, select **Highlight**.

Additional information appears, including:

- Directionality
- Alternate segments and maneuvering areas
- Crossing altitudes for all waypoints.

The entire route will be highlighted, showing the corridor width.



Figure 7-4. Selected Route Highlighted

7.5 Adding Portions of an MTR

To include only part of an MTR in the FPL Editor, enter the route using **entry and/or exit points**.

Use the format: `[ENTRY].[ROUTE NAME].[EXIT]`

Examples:

- `C.IR644` adds the route starting at waypoint C through the rest of IR644.
- `IR608.F` adds all of IR608 up to waypoint F.
- `C.IR644.F` adds IR644 from waypoint C to F.

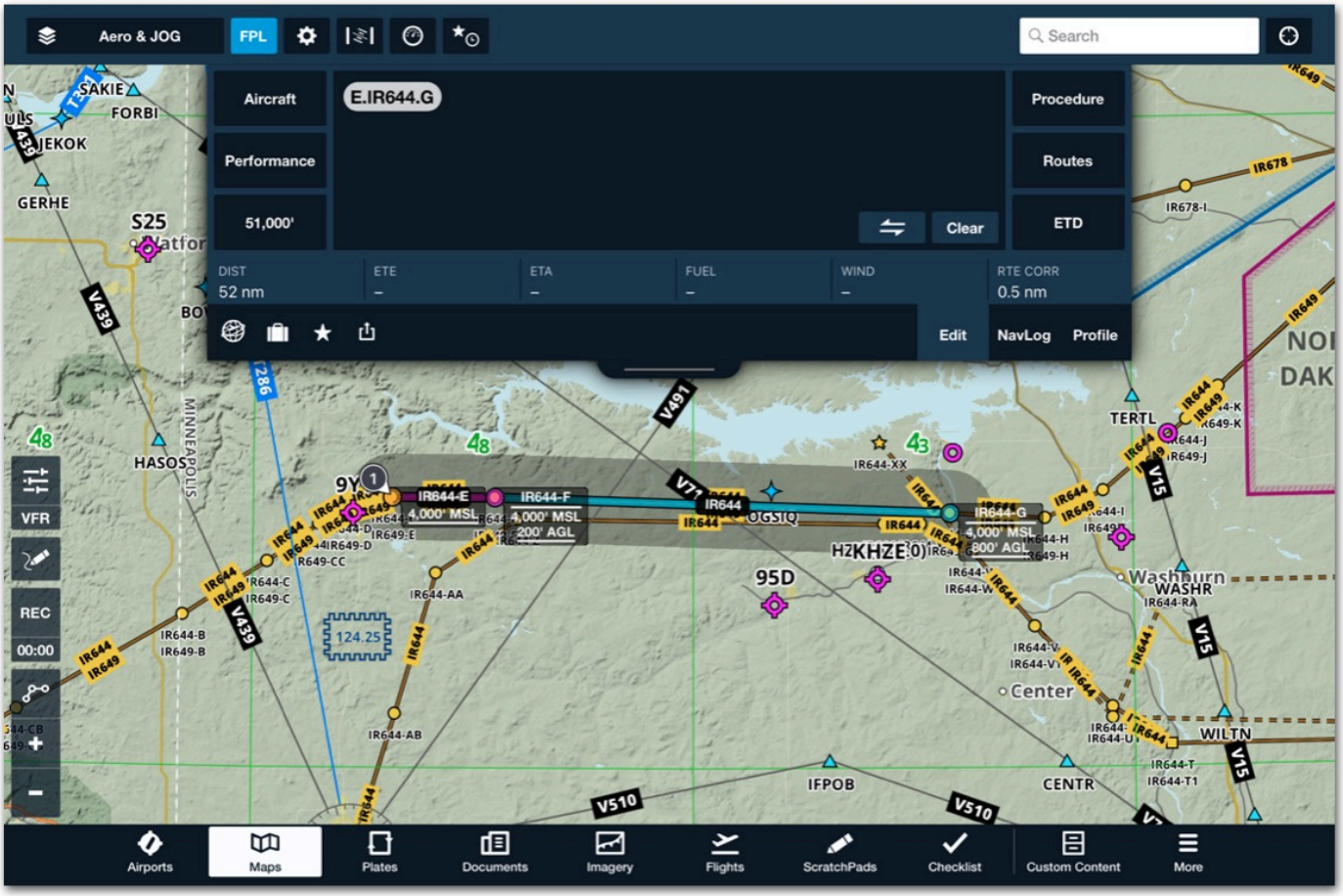


Figure 7-5. Partial MTR Segment Entry

7.6 Expanding an MTR into Waypoints

To view the waypoints of a route:

1. From the **Maps** view, tap **FPL**.
2. Select the **Edit** button.
3. Tap the MTR route bubble.
4. Tap **Expand [Route Name]** to view all waypoints in the route.

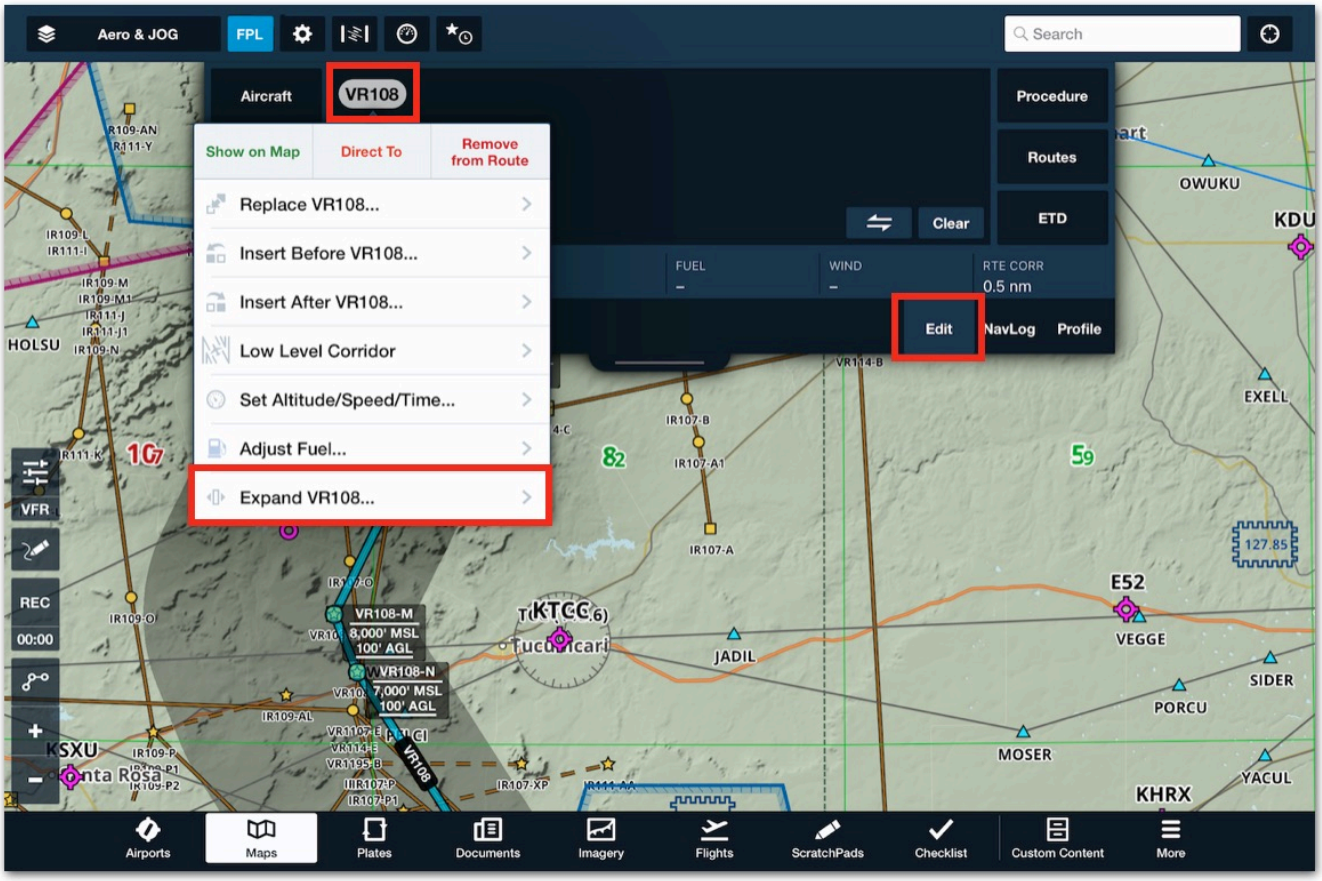


Figure 7-6. Expand Option to Expand an MTR into Individual Waypoints



Figure 7-7. MTR as Waypoints

7.7 Modifying MTR Routing

MTRs can be rubber-banded, but the entry or exit points must remain unchanged. When rubber-banding a portion of an MTR, the MTR will be expanded into individual waypoints in the FPL Editor.

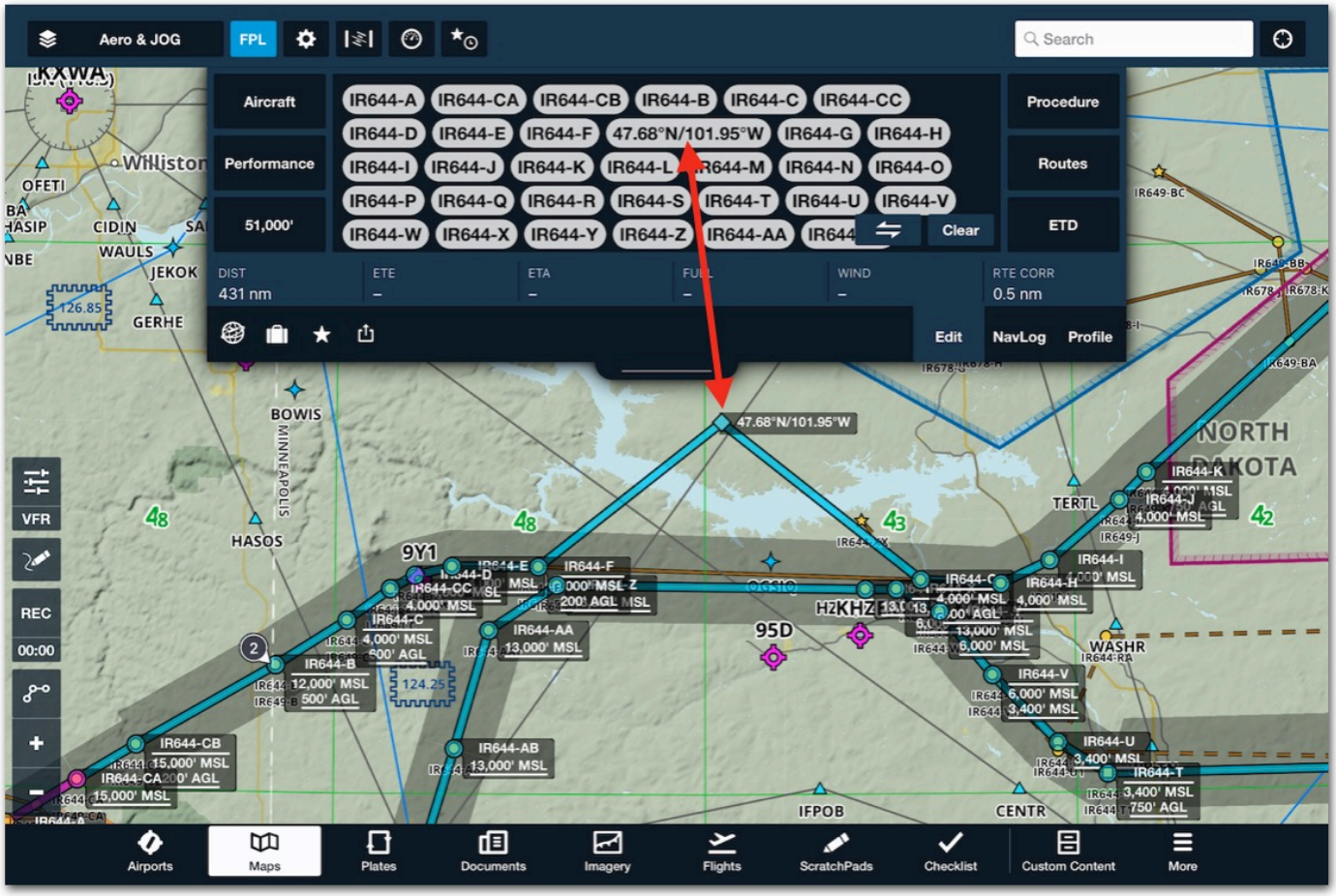


Figure 7-8. Location Added to an MTR Using Rubber-banding

LOW-LEVEL CORRIDOR

Low-Level Corridor (LLC) allows users to build customizable tactical corridors for low-level flight route segments. Using customized widths, the tool analyzes the route to automatically identify the highest obstacle and/or terrain feature along each leg of the flight. Clearance altitudes relative to the highest identified threat can be set, which then display on the Map view. The Emergency Route Abort Altitude (ERAA) feature is incorporated into LLC.

LLC is available with an MFB One subscription.

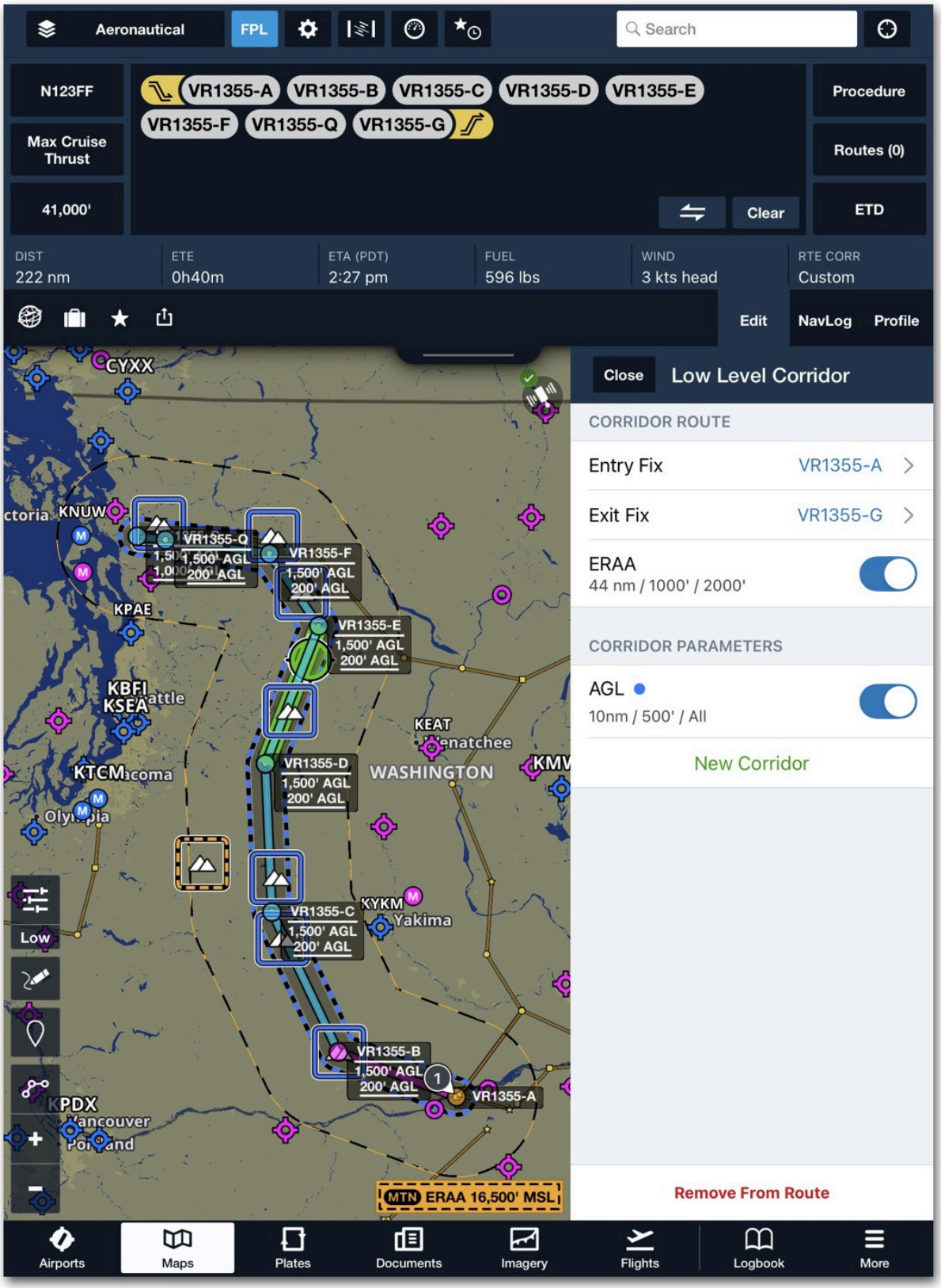


Figure 8-1. Low-Level Corridor

8.1 Create a Low-Level Corridor

To create a Low-Level Corridor (LLC):

1. Open or create a flight plan with at least two waypoints.
2. Tap a **waypoint** in the FPL Editor.
3. Tap **Low-Level Corridor** from the menu.
4. From the LLC sidebar, select an entry and exit fix.
5. Modify ERAA parameters.
6. Turn ERAA on or off as desired.
7. Set or create corridor parameters.
8. Turn the corridor parameters on or off as desired.
9. Tap **Apply To Route**.

The FPL will display LLC entry and exit points in the FPL Editor after the route is applied.

> **NOTE:** Rubber-band edits to the LLC may be made within defined entry and exit fixes.

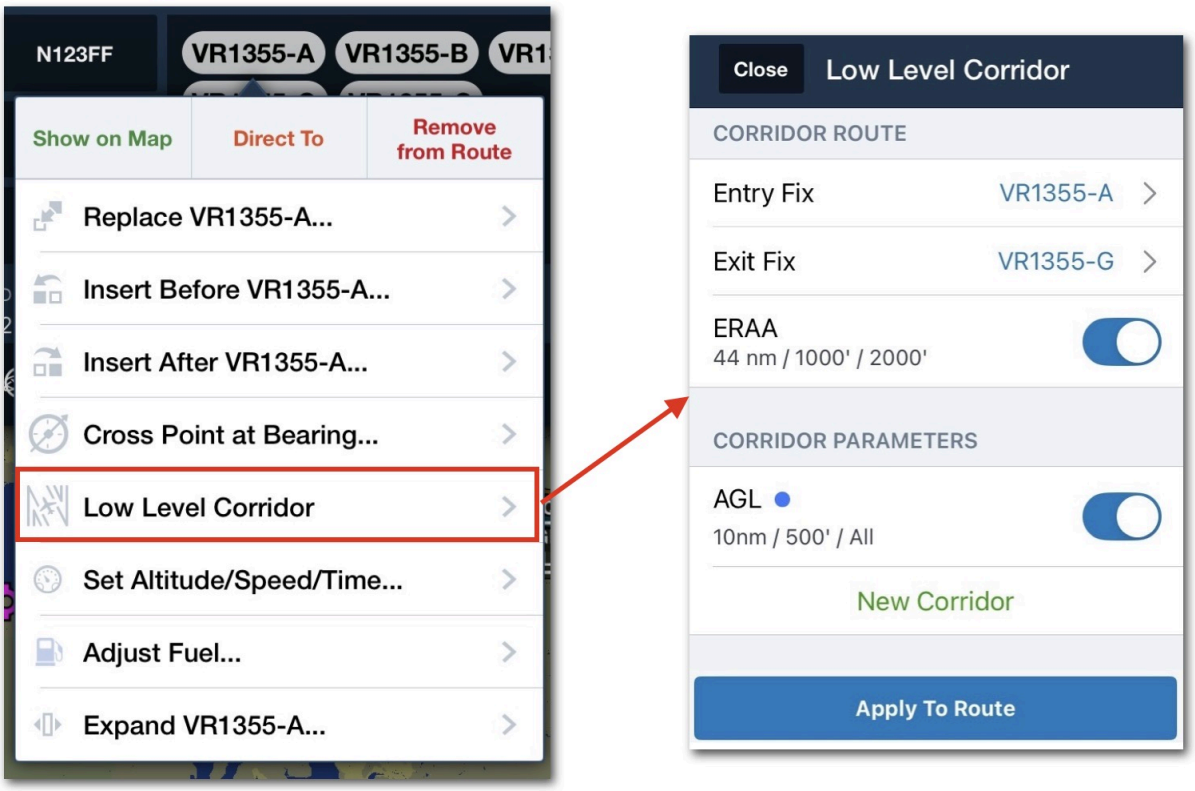


Figure 8-2. Low-Level Corridor Sidebar



Figure 8-3. LLC FPL Editor

8.1.1 Create/Set Corridor Parameters

Existing Low-Level Corridor (LLC) parameters can be modified, new corridors created, and individual corridors toggled on or off in the LLC Sidebar. ForeFlight Mobile supports up to 8 saved corridors, with a maximum of 4 displayed on the map simultaneously.

To modify an existing corridor, tap the Corridor banner to open the Corridor Parameter sidebar.

To create a new corridor, tap **New Corridor** to open the Corridor Parameter sidebar.

To display or hide a corridor on the map, tap the toggle switch on the corresponding corridor row.

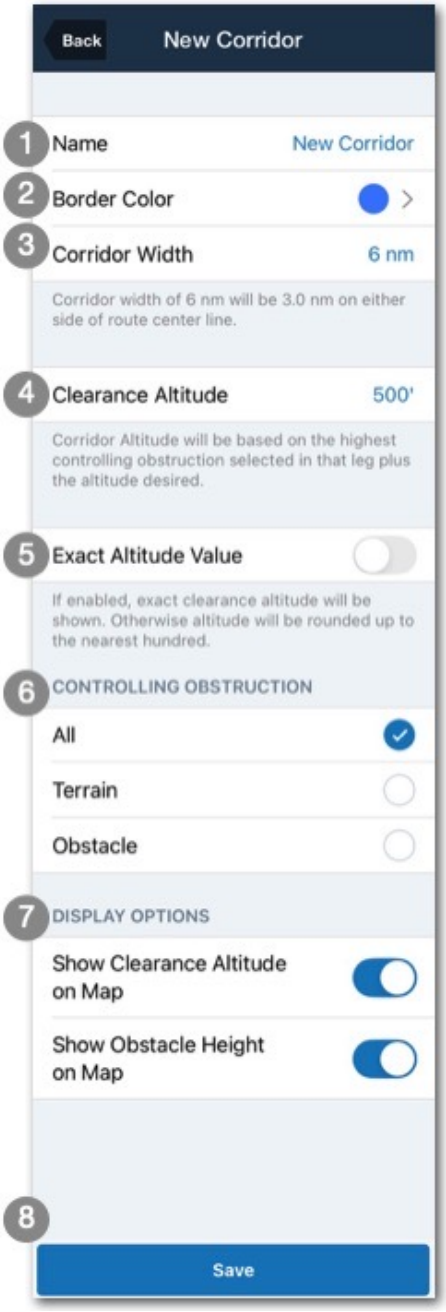


Figure 8-4. Corridor Parameters

New Corridor menu element descriptions:

1. **Name**: Set a corridor name.

2. **Border Color**: Set a color for the corridor border.

3. **Corridor Width**: Set total corridor width. Maximum width is 300 NM.

4. **Clearance Altitude**: Altitude added to the highest controlling obstacle of a leg.

5. **Exact Altitude Value**: Toggle on to use the exact obstruction altitude. Toggle off to use obstruction altitude rounded up to the nearest hundred feet.

6. **Controlling Obstruction**: Set the controlling obstacle to reference **Terrain**, **Obstacle**, or **All**.

7. **Display Options**:

- **Show Clearance Altitude on Map**: Toggle to display or hide clearance altitude.
- **Show Obstacle Height on Map**: Toggle to display or hide obstacle altitude.

8. **Save**: Saves selections.

8.1.2 Low-Level Corridor Symbology

The controlling obstacle for each segment is displayed in an outline of the same color as the Low-Level Corridor (LLC) setting. If a controlling obstacle is shared by multiple corridors, the obstacle outline color is derived from each corridor that shares it.

Tap any obstacle to open a popover window with detailed information about the obstacle and its controlling corridors.

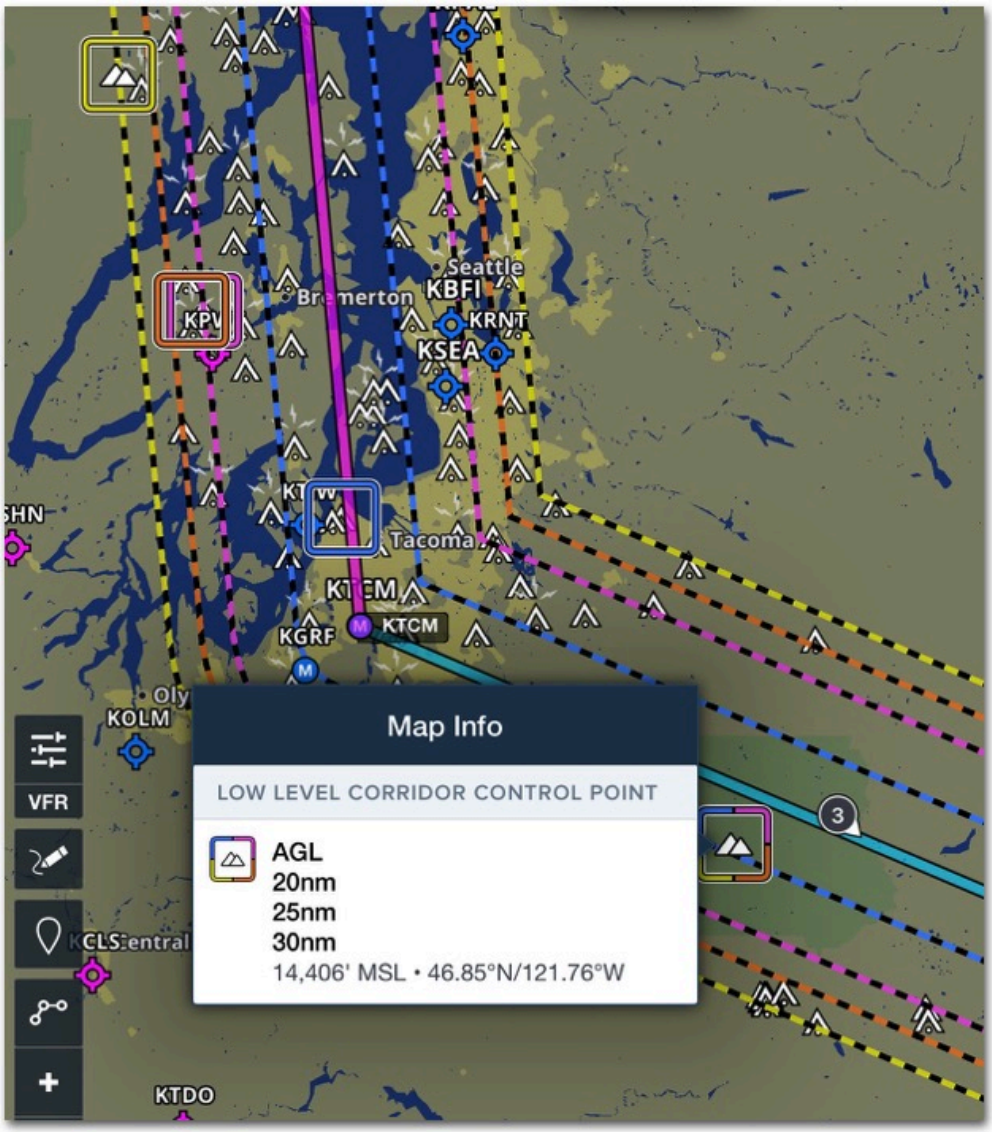


Figure 8-5. Low-Level Corridor (LLC) Symbology

8.2 ERAA Corridor

The ERAA Corridor provides the ability to customize, calculate, and display the Emergency Route Abort Altitude and control point for a Low-Level Corridor.

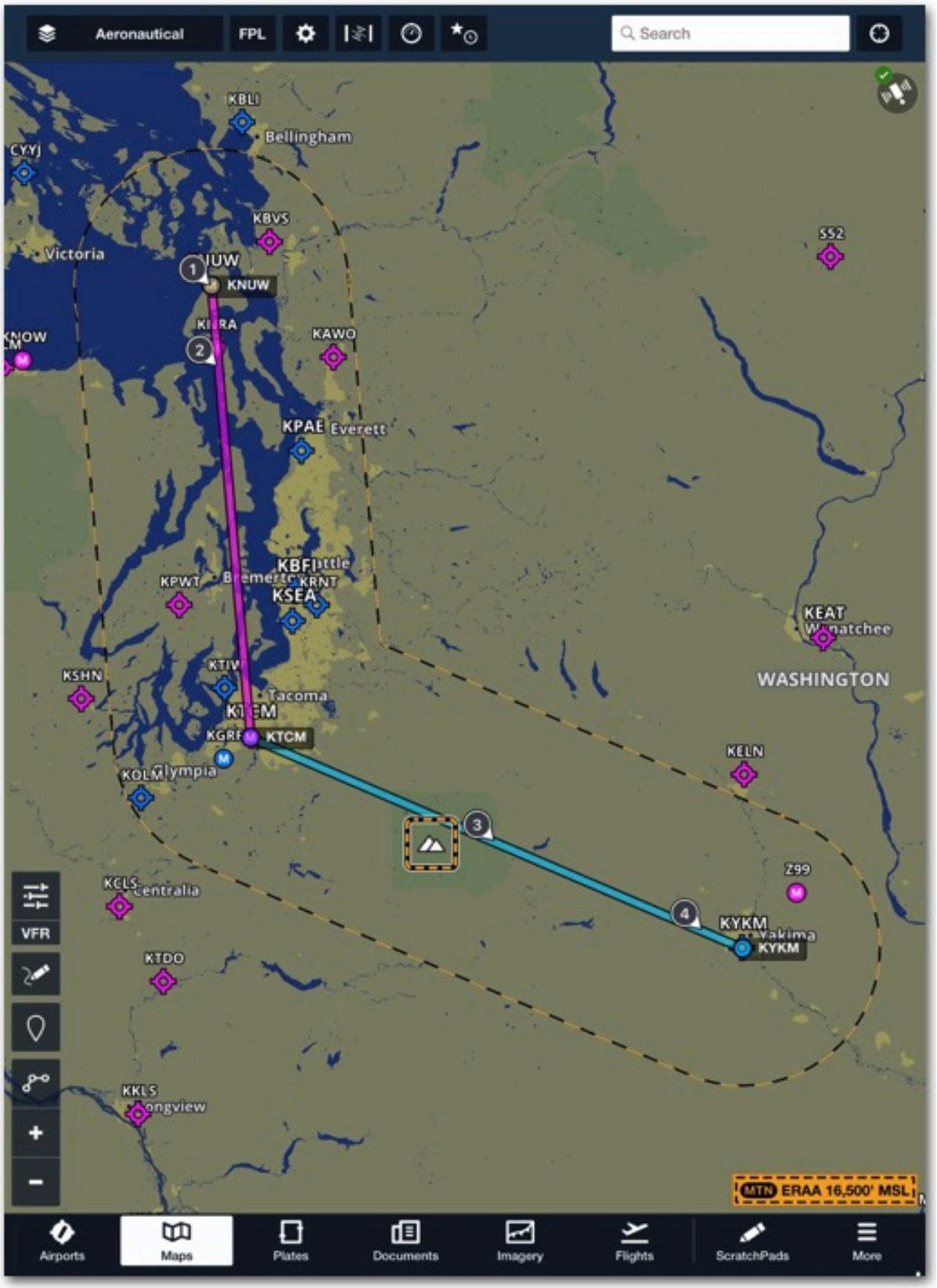


Figure 8-6. ERAA Corridor

8.2.1 Customize ERAA Corridor

To customize the ERAA Corridor, open the Low-Level Corridor (LLC) sidebar and tap the ERAA banner.

Corridor width and obstruction clearance altitude additive are able to be customized in the ERAA sidebar.

Tap any setting to modify the input.

- Default **ERAA Corridor Width** is 44 NM. Maximum width is 300 NM.
- Default **Non-Mountainous ERAA** additive is 1000 feet. Maximum additive is 10,000 feet.
- Default **Mountainous ERAA** additive is 2000 feet. Maximum additive is 10,000 feet.

Tap **Save** to modify the settings.

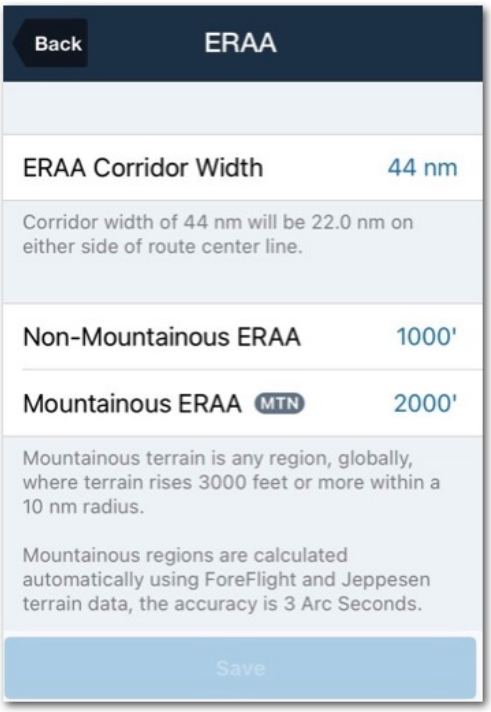


Figure 8-7. ERAA Corridor Customization

When the ERAA is enabled, the map will display a black and yellow outline around the LLC path selected. An ERAA badge with the controlling obstacle clearance altitude will be displayed at the bottom of the map. Tap the badge to hide or display the ERAA on the map.



Figure 8-8. ERAA Badge

The ERAA Controlling Obstacle will be outlined in a black and yellow outline with either terrain or obstruction symbology as appropriate. Tap the obstacle to see details.

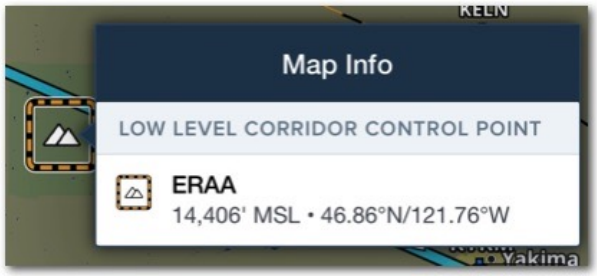
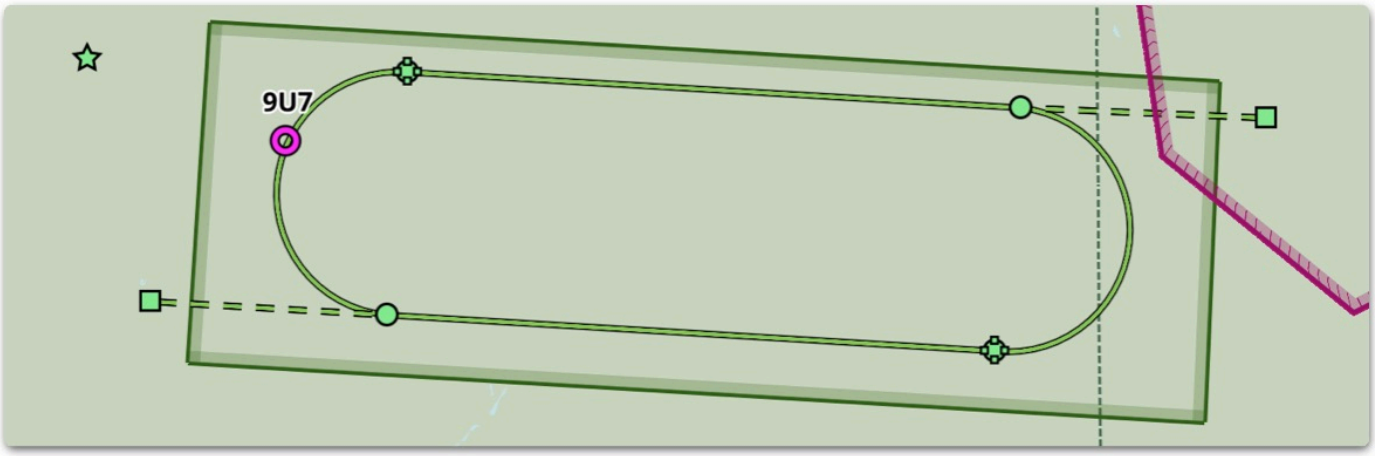


Figure 8-9. ERAA Controlling Obstacle

AERIAL REFUELING TRACKS

Aerial Refueling Tracks (ARTs) are included with all ForeFlight Military Flight Bag subscriptions and provide visibility into route planning for aerial refueling operations.



9.1 Installing ART Data

ART data is part of the DOD Airport and NAV Database. To ensure the most current version of ART data is installed, check the status of the DOD Airport and NAV Database in the Downloads view.

1. Go to **More ➔ Downloads**.
2. Locate the DOD Airport and NAV Database.
3. If the **Download** button next to it is blue, tap it to update to the latest version.

9.2 ARTs on the Map View

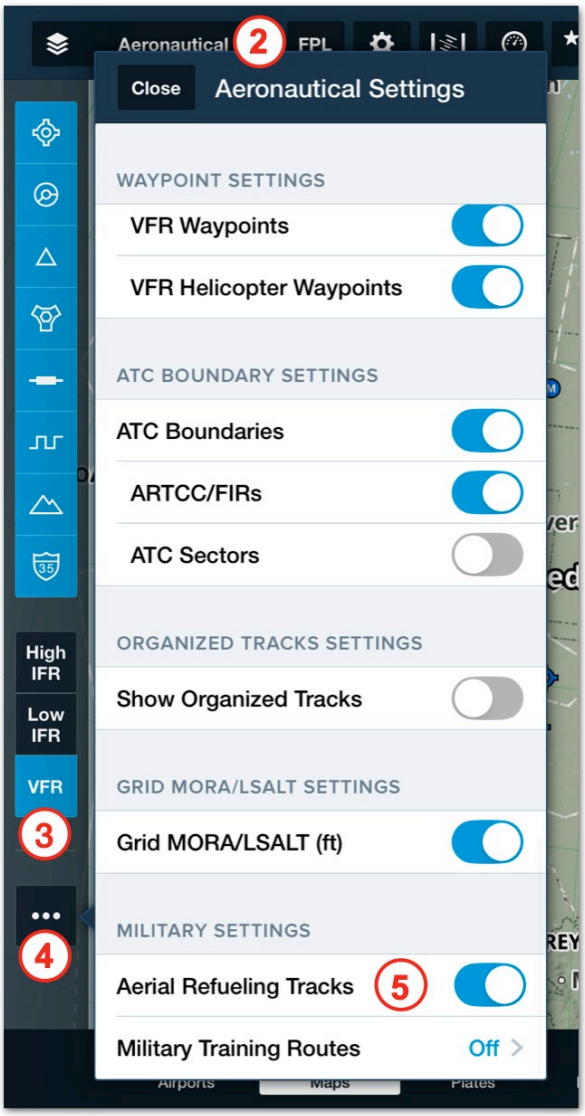
ARTs are built into the Aeronautical map layer. This layer must be enabled on the Maps view before ARTs are selectable on the Maps view.

9.2.1 Enabling ARTs on the Map View

To enable ARTs in the Aeronautical layer:

1. Open the **Maps** view.
2. Enable the **Aeronautical** layer using the **Layer Selector**.
3. Choose an Aeronautical Map mode (**IFR High**, **IFR Low**, **VFR**).
4. Tap the **Settings** button (three dots).

5 Enable **Aerial Refueling Tracks** (slide to the right) in the MILITARY SETTINGS section.



9.2.2 Displaying ARTs on the Map

ARTs are built into the Aeronautical Map layer. This layer must be selected on the Maps view for ARTs to appear. To display ARTs on the map:

1 Open the **Maps** view.

2 Tap the **Layer Selector**.

3 Tap **Aeronautical**.



Figure 9-1. ART Shown with Aeronautical Layer

ARTs appear as green lines on the map, with labels and symbols indicating key points along each track.

9.2.2.1 ART Symbology

The following table describes ART symbols and their meanings.

Table 9-1. ART Symbols and Meanings

Symbol	Meaning
	Entry points
	Initial entry points

Symbol	Meaning
	Entry legs
	Navigation checkpoints or pattern anchors
	Anchor and control points
	Exit points

Points with multiple uses show overlapping symbols.

9.3 Viewing ART Details

Tapping along an ART reveals options to fly Direct to the point, Add to the Route, and information about the selected track. Details shown include:

- Track name
- Refueling altitude
- TACAN (Tactical Air Navigation) information
- Communication frequencies
- Remarks

Tapping an individual track point provides similar details.

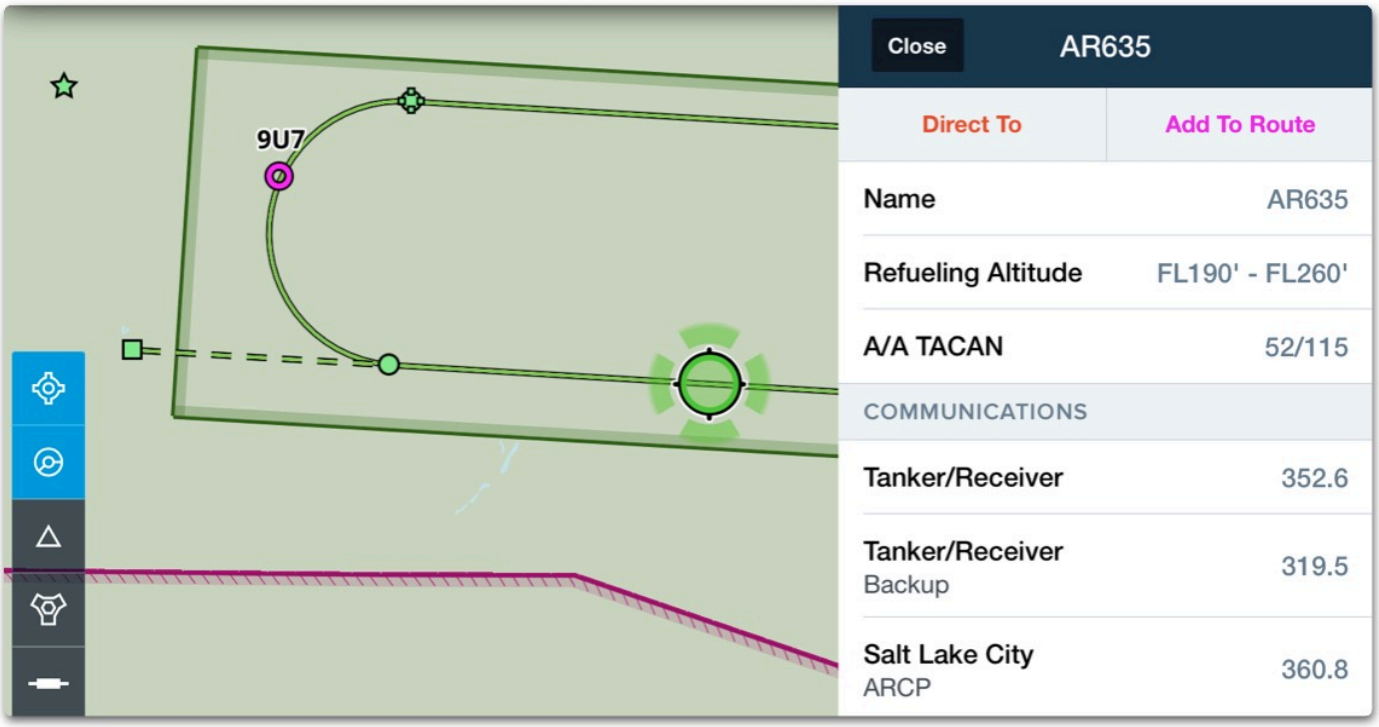


Figure 9-2. ART Details

9.4 Adding ARTs to the Flight Plan

ARTs can be added directly to the Flight Plan (FPL) Viewer on the Maps view. This option allows full or partial routes to be included in planning.

To add an ART to the FPL:

1. Tap **FPL** to open the Flight Plan (FPL) viewer.
2. Tap **Edit** in the FPL Viewer.
3. Type the track name into the FPL Editor to insert the full route, including entry and exit points.



Figure 9-3. ART in FPL Editor

Ⓐ (Optional Steps) Tap the **ART bubble** in the FPL.

Ⓑ Tap **Expand [Pattern Name]** to view all track points.

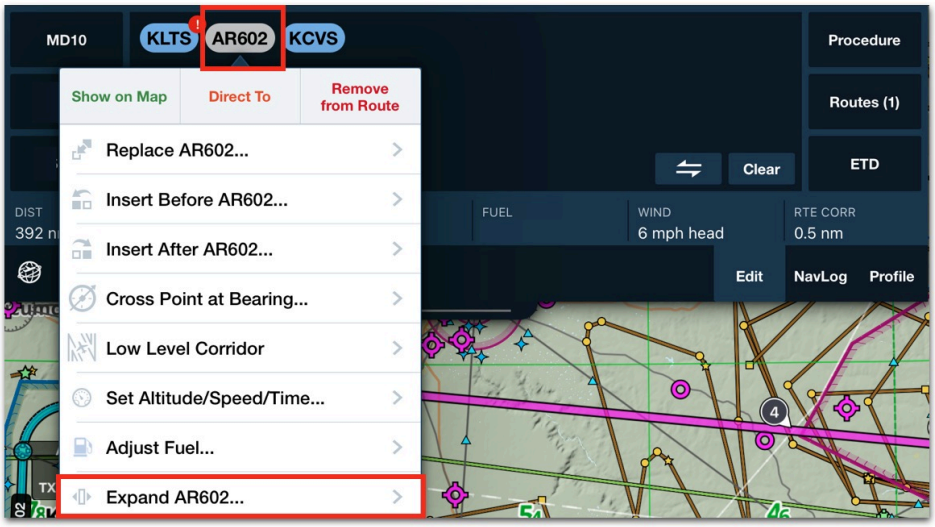


Figure 9-4. Expand ART to Waypoint Option

9.5 Reversing an ART in the FPL

The **Reverse Route** button (next to the **Clear** button) in the FPL Editor adjusts the direction of the flight plan, including ART segments.

Behavior depends on whether the ART has been expanded:

- If **not expanded**, the internal structure and flow of the track are preserved when reversed.
- If **expanded**, all individual points in the ART are reversed along with the rest of the flight plan.

CROSS POINT AT BEARING

The Cross Point at Bearing function enables the creation of a lead-in course to a waypoint using a specified bearing and distance. A lead-in course can be generated from any waypoint in the Flight Plan Editor.

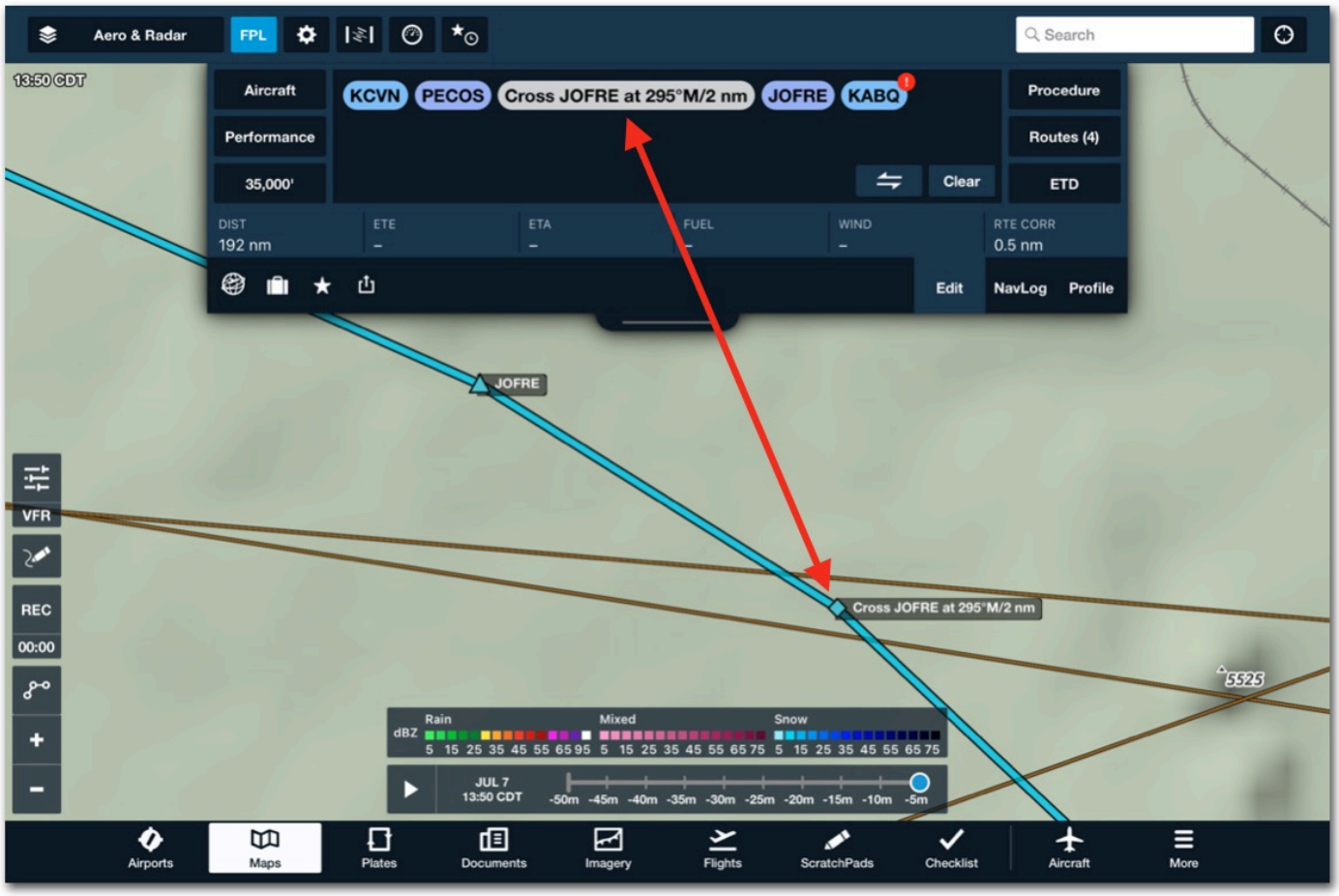
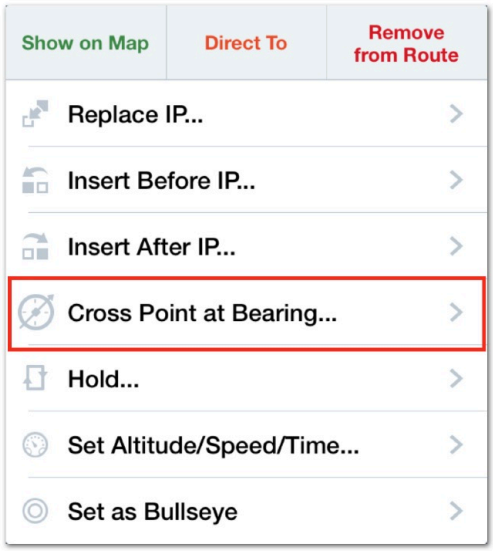


Figure 10-1. Cross Point at Bearing Waypoint Inserted Prior to JOFRE

10.1 Creating a Cross Point at Bearing Waypoint

To create a Cross Point at Bearing waypoint:

1. From the Maps view, tap the **FPL** button.
2. Tap the **Edit** button to open the Flight Plan Viewer in Edit mode.
3. Tap the waypoint where the Cross Point at Bearing will be inserted.
4. Tap **Cross Point at Bearing**.



5 Enter the bearing and distance, then tap **Add to Route**.

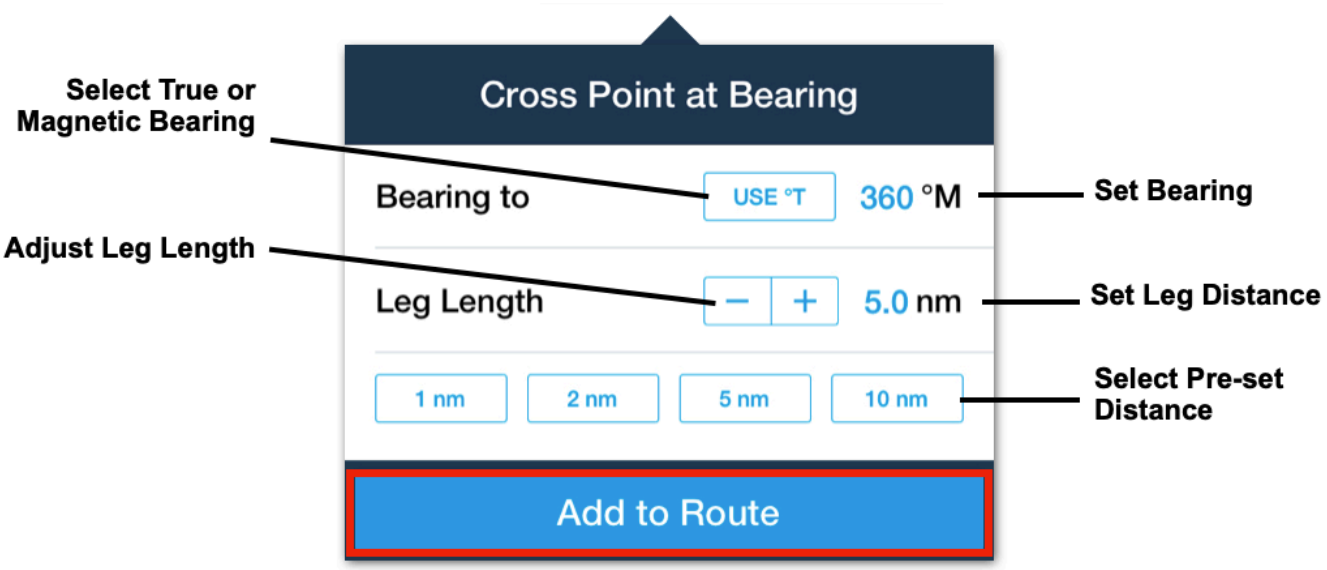


Figure 10-2. Cross Point at Bearing Popover

A new waypoint is inserted before the selected waypoint in the Flight Plan Editor and displayed on the Main Map with the bearing and distance noted.

TIME ON TARGET

Time on Target is an in-flight planning tool that calculates the required ground speed to cross a specific waypoint at a defined time. It supports multiple targets per flight and is available with an MFB One subscription.

11.1 Setting Time on Target Using the FPL Editor

To define Time on Target from the Flight Plan Editor:

1. Open the **Maps** view.
2. Plan a route.
3. Tap a **route element** in the Flight Plan Editor.
4. Select **Set Altitude/Speed/Time**.
5. Tap **Time on Target**.
6. Use the Time on Target menu to enter the desired crossing time in Zulu or Local format.

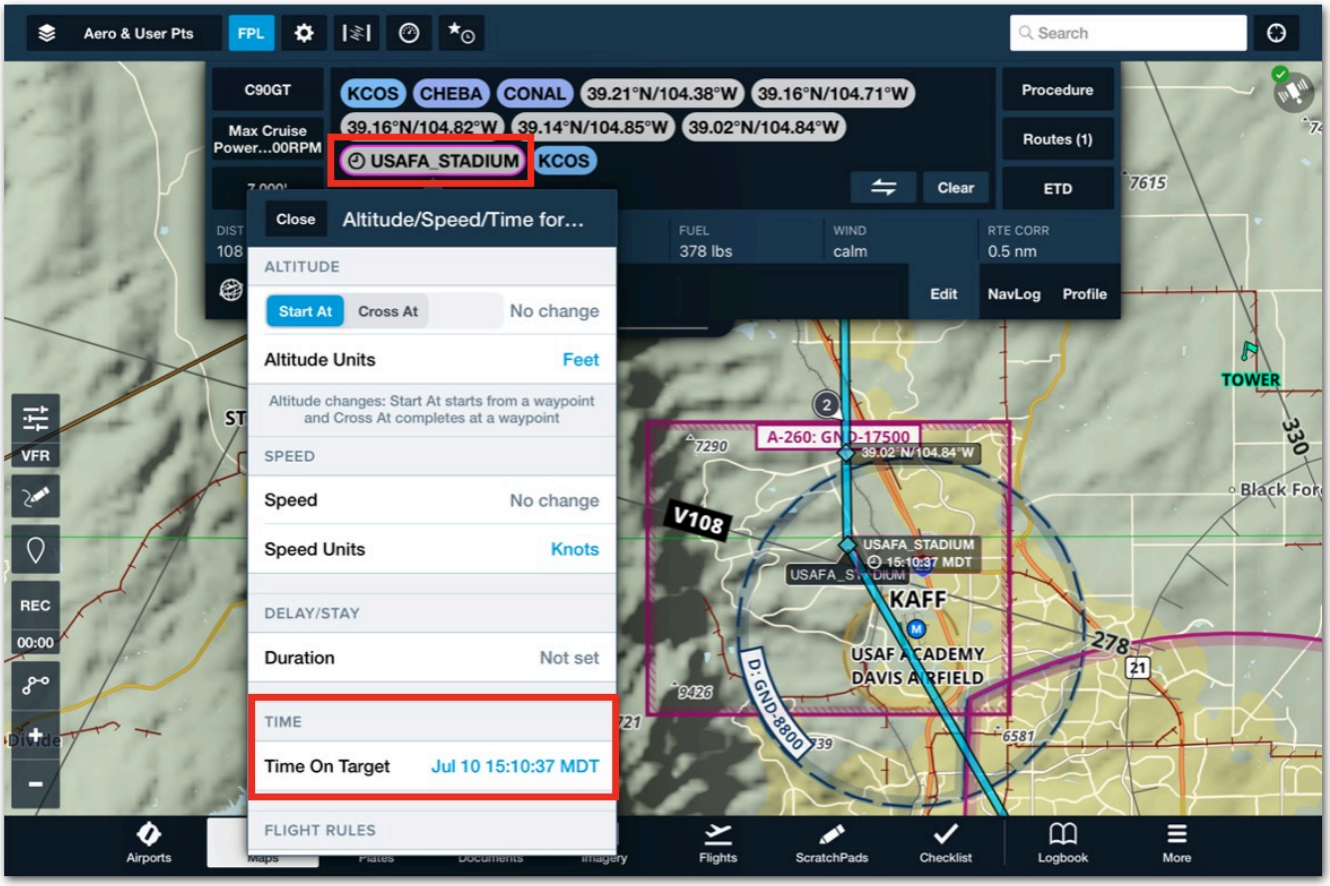


Figure 11-1. Setting Time on Target with the FPL Editor

11.2 Setting Time on Target Using the Sidebar

To define Time on Target using the sidebar:

1. Open the **Maps** view.
2. Plan a route.
3. Tap a **route element** on the map.
4. Tap **More** ➔ **Set Altitude/Speed/Time**.
5. Tap **Time on Target**.
6. Use the Time on Target menu to enter the desired crossing time in Zulu or Local format.

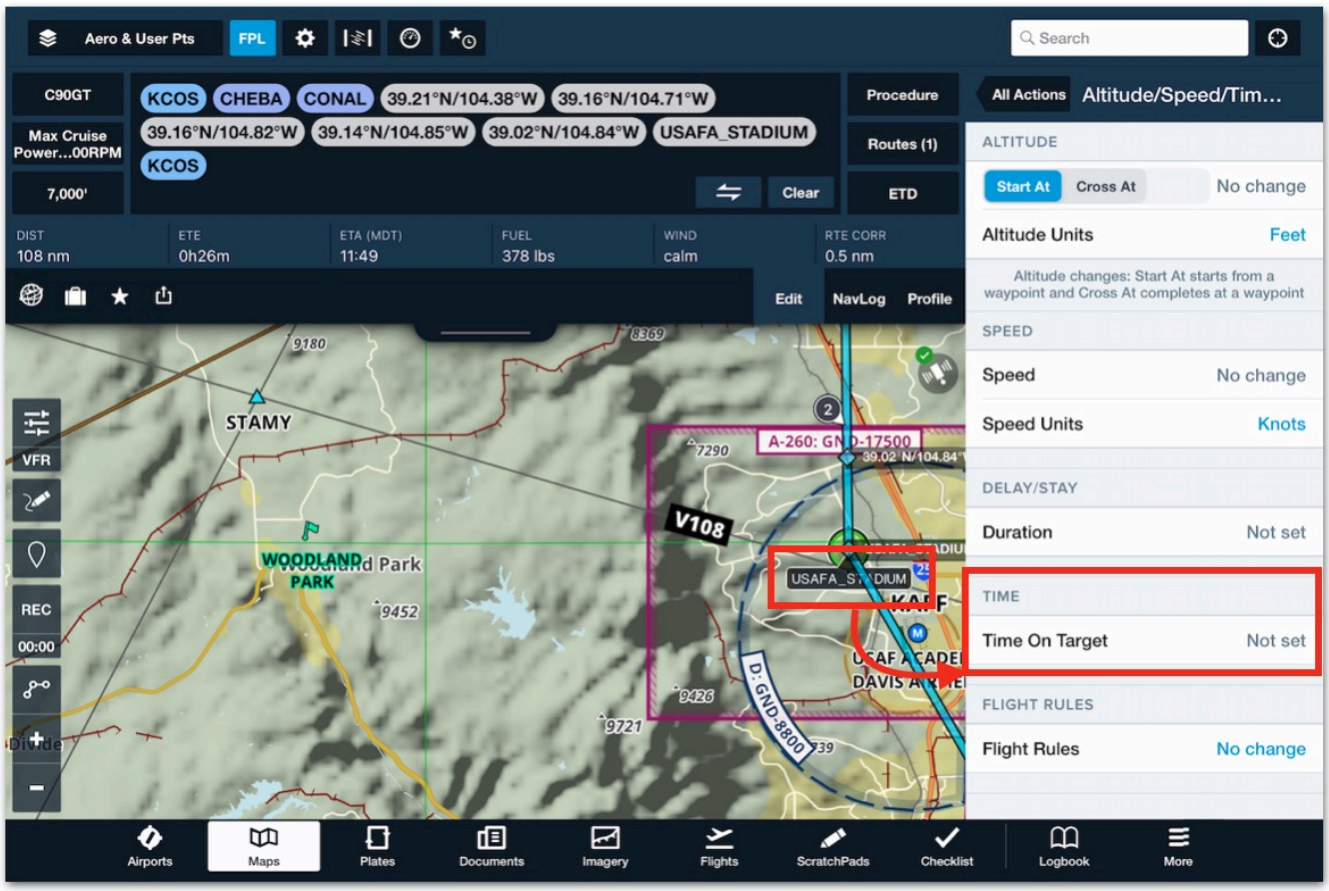


Figure 11-2. Setting Time on Target with the Sidebar

11.3 Time on Target Menu

The Time on Target menu allows users to specify the desired arrival time at a designated target location.

By default, the target time is preset to approximately 20 minutes ahead of the current time.

To adjust and set the Time on Target:

1. Tap the **Zulu** or **Local** button near the top of the menu to set the time format.

   Once selected, this format remains in use for future flights until changed.

2. Use the **date and time selector** to manually specify the target time. Alternatively, use the **-5 min**, **-1 min**, **+1 min**, and **+5 min** buttons above the selector to make quick adjustments.

3. Tap **Close** or tap anywhere outside the menu to save the selected time and close the menu.

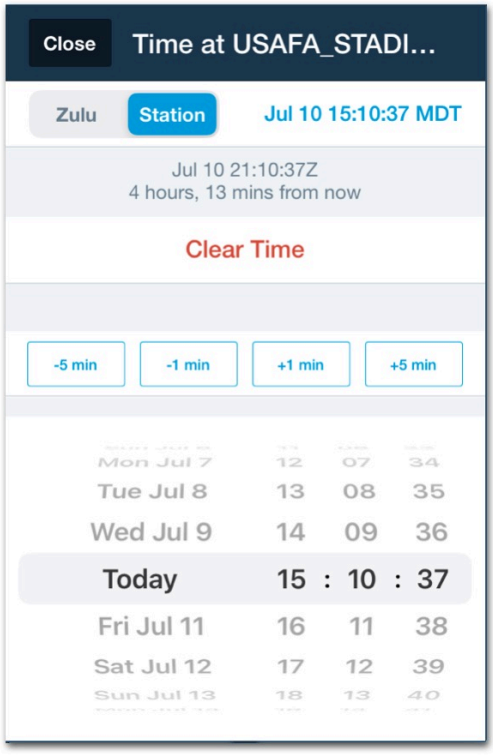
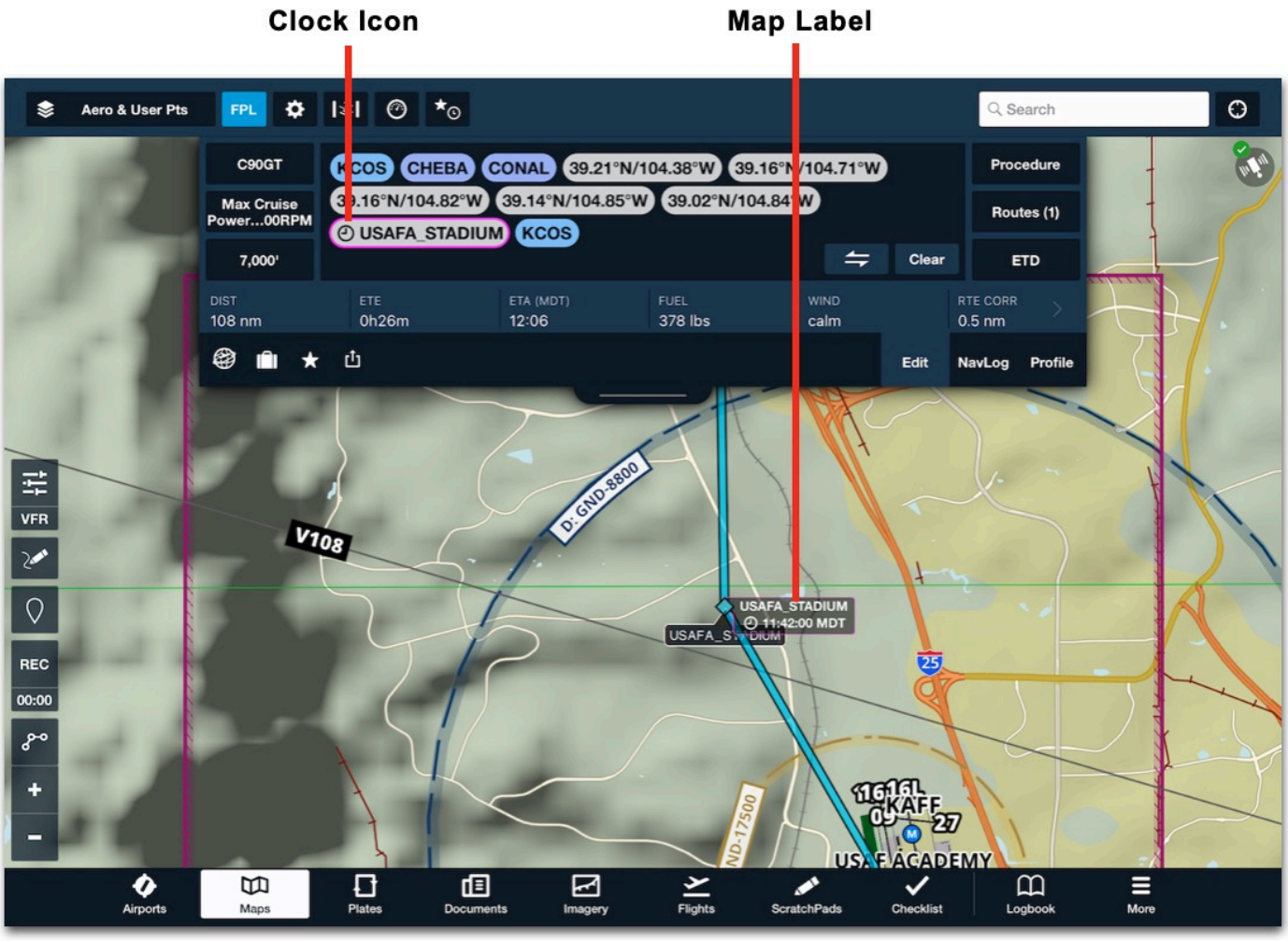


Figure 11-3. Time on Target Menu

11.4 Time on Target Labels

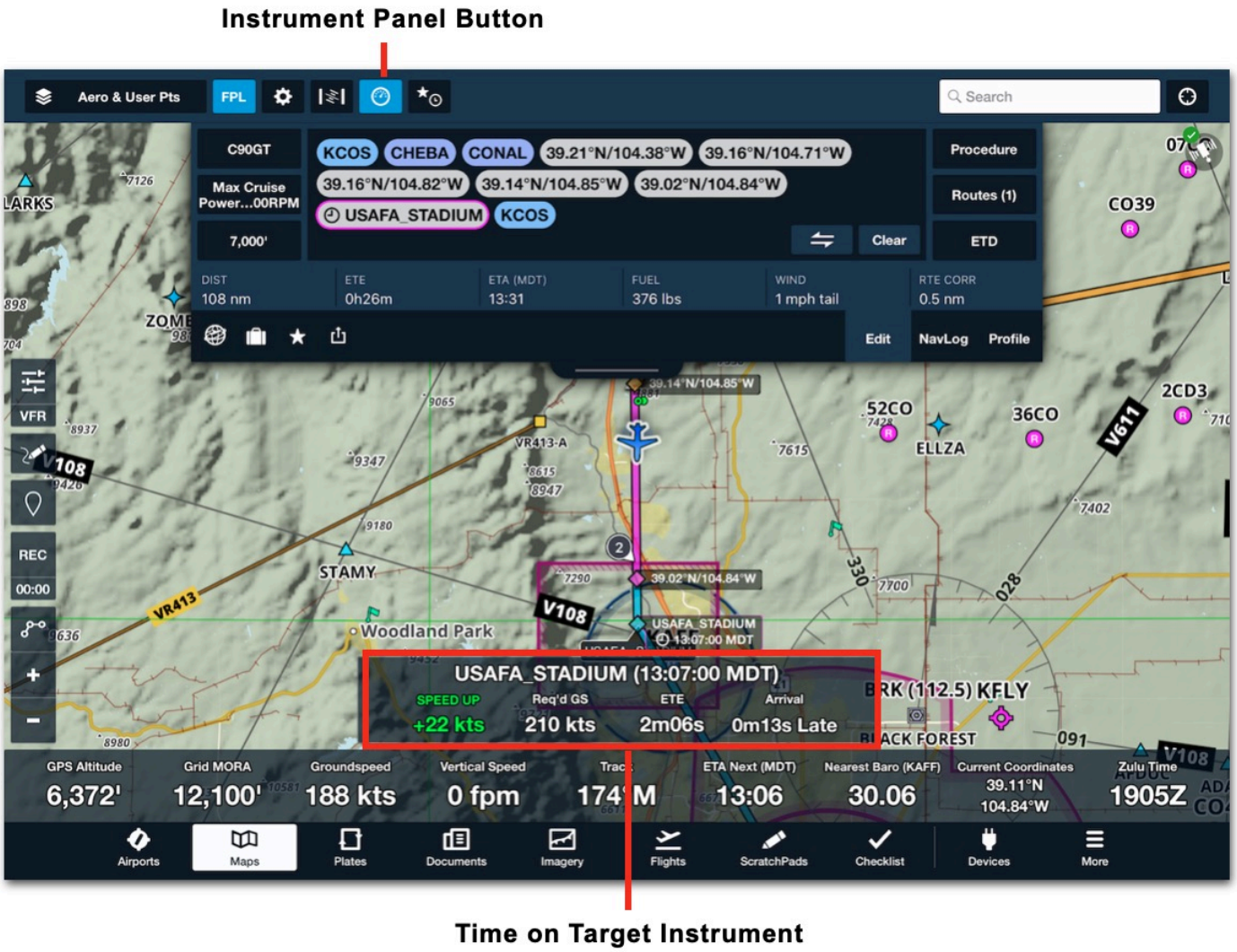
When Time on Target is applied:

- A **clock icon** appears on the respective waypoint in the Flight Plan Editor.
- A **map label** is displayed next to the waypoint, showing its name and target time.



11.5 Time on Target Instrument

Once a Time on Target has been assigned to a waypoint in the route, the app provides real-time timing status through the Time on Target instrument. This display includes speed and timing information required to meet the designated arrival time.



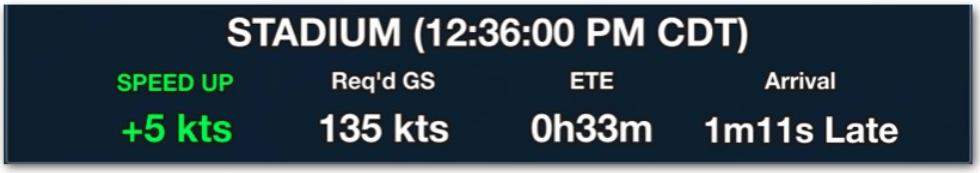
To display the Time on Target instrument, tap the **Instrument Panel** button located in the upper toolbar on the Maps view. The Time on Target instrument will appear within the panel, showing the required ground speed and updated time data for the selected waypoint.

The instrument remains visible as long as a Time on Target is active in the route.

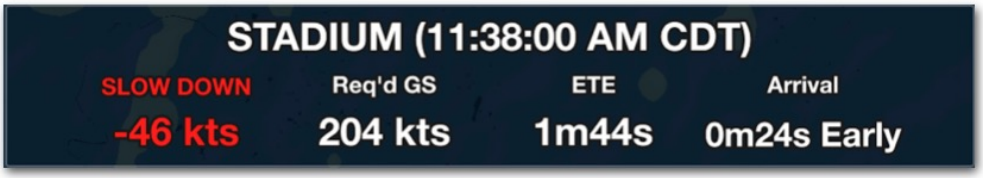
11.5.1 Speed and Time Guidance

The Time on Target instrument displays one of four guidance states based on current ground speed:

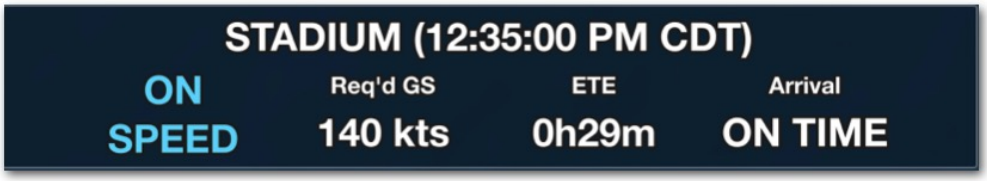
- **SPEED UP**: Aircraft will reach the target ten or more seconds late. Increase speed by the displayed value.



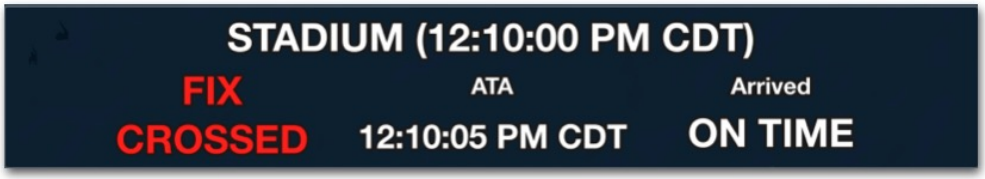
- **SLOW DOWN**: Aircraft will reach the target ten or more seconds early. Decrease the speed by the displayed value.



- **ON SPEED:** Aircraft will arrive within ten seconds of the target time.



- **FIX CROSSED:** Displays five seconds after crossing the waypoint. Shows actual time of arrival (ATA) and whether arrival was early, on time, or late. This message will remain displayed until the route is cleared or the Time on Target is removed.



11.5.2 Time on Target Instrument Adjustments

The Time on Target instrument can be used to adjust the desired time on target. To adjust the time using the instrument:

1. Tap the **Time on Target** instrument.
2. Use the increment/decrement buttons to modify the time. Alternatively, tap **Change Time on Target** to reopen the full Time on Target menu.
3. Tap **Clear Time on Target** to remove the setting.

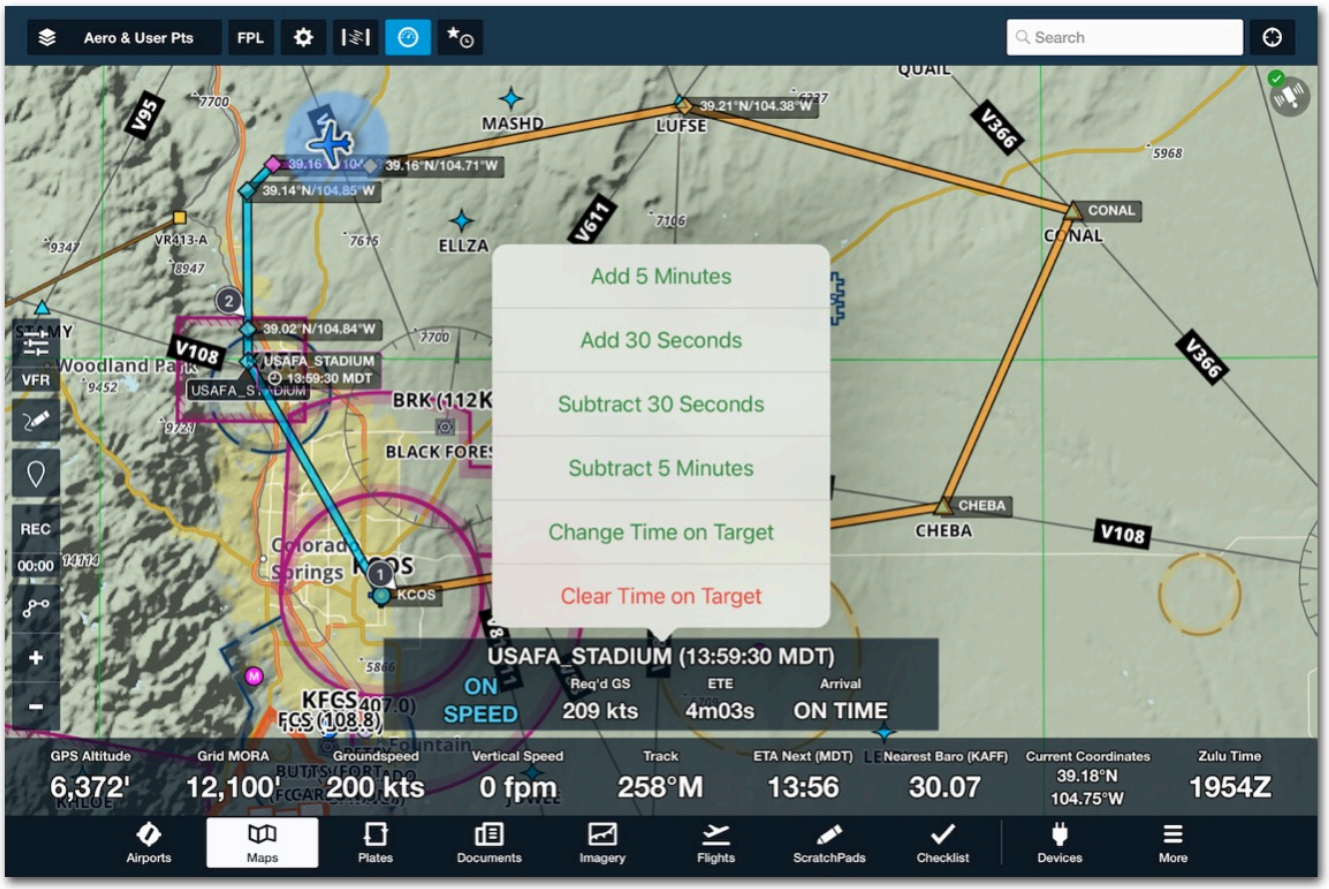


Figure 11-4. Time on Target Instrument Adjustment Menu

11.6 Multiple Time on Targets

Multiple Time on Target values can be assigned using the Flight Plan Editor or the sidebar. When more than one Time on Target has been added to a route, the Time on Target instrument includes arrows for switching between targets.



Figure 11-5. Time on Target Instrument with Navigation Arrows

After crossing a waypoint, the instrument auto-sequences to the next Time on Target.

11.7 Removing Time on Target

Time on Targets can be removed before or after crossing a waypoint.

11.7.1 Removing Time Using the Time on Target Instrument

To remove Time on Target using the Time on Target instrument:

1. Open the Instrument Panel.
2. Tap the **Time on Target** instrument.
3. Tap **Clear Time on Target**.

11.7.2 Removing Time Using the FPL Editor

To remove Time on Target using the FPL Editor:

1. Display the FPL Editor with the **FPL** button in the upper toolbar.
2. Tap the FPL Editor waypoint (bubble) with the Time on Target.
3. Tap **Set Altitude/Speed/Time...**.
4. Tap **Time on Target** ➔ **Clear Time**.

11.7.3 Removing Time Using the Sidebar

To remove Time on Target using the sidebar:

1. Tap the map waypoint with Time on Target.
2. Tap **More >**.
3. Tap **Set Altitude/Speed/Time...**.
4. Tap **Time on Target**.
5. Tap **Clear Time**.

BULLSEYE

Bullseye provides a secure, shared frame of reference for mission planning and tactical coordination. A Bullseye can be defined using coordinates, addresses, waypoints, or other location types, and is used to measure relative positions within ForeFlight Mobile.

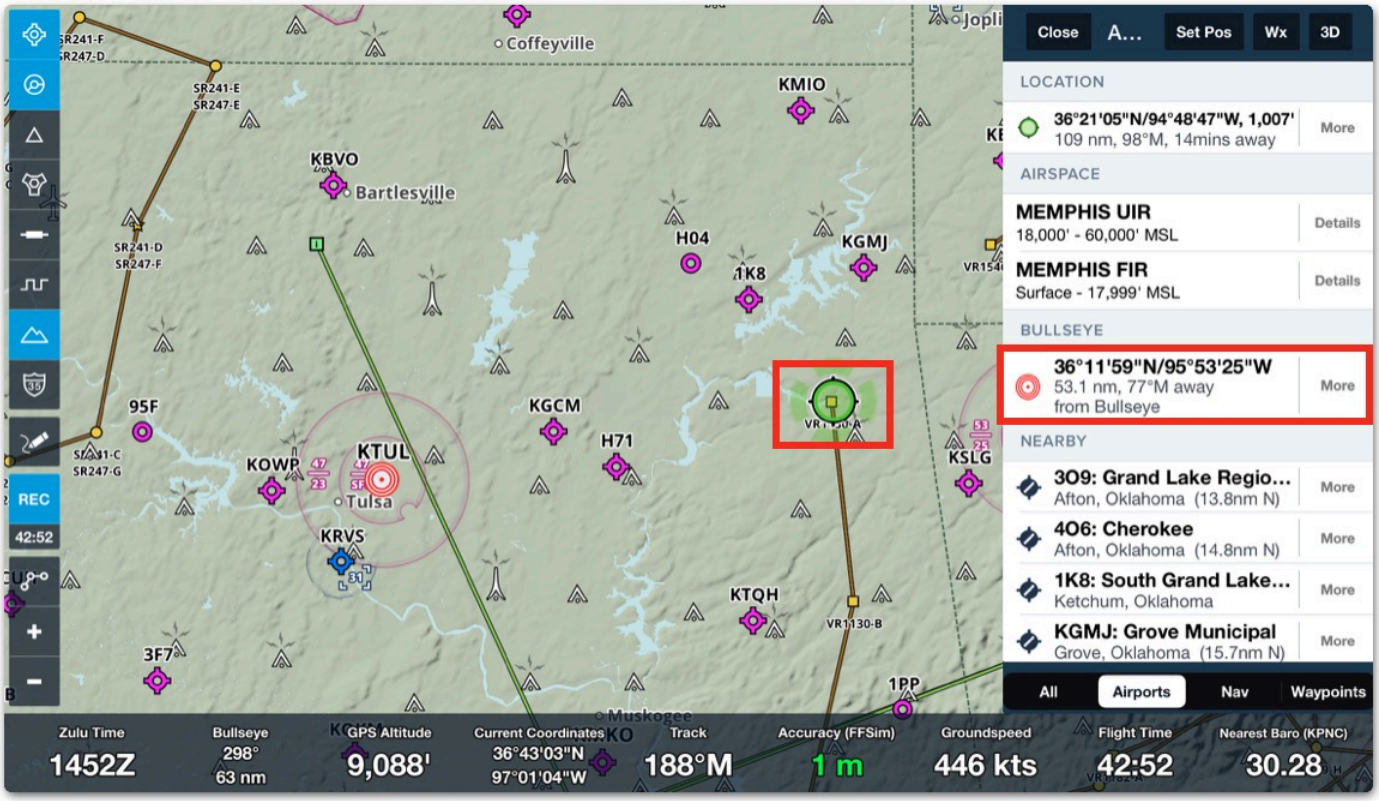
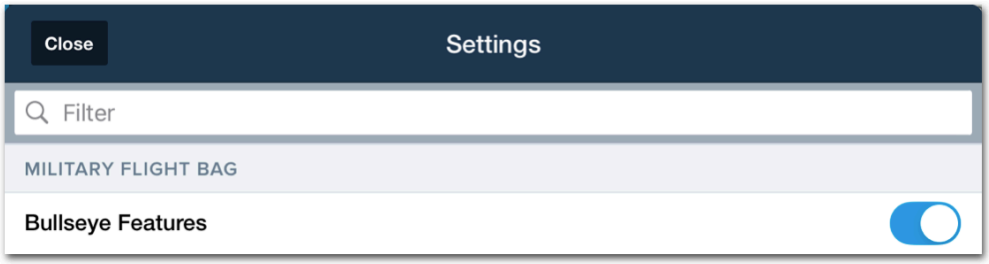


Figure 12-1. Bullseye showing distance and bearing from selected point

12.1 Enabling Bullseye

To enable or disable Bullseye features:

1. Tap the **More** button.
2. Select **Settings**.
3. In the MILITARY FLIGHT BAG section, turn on the **Bullseye Features**.



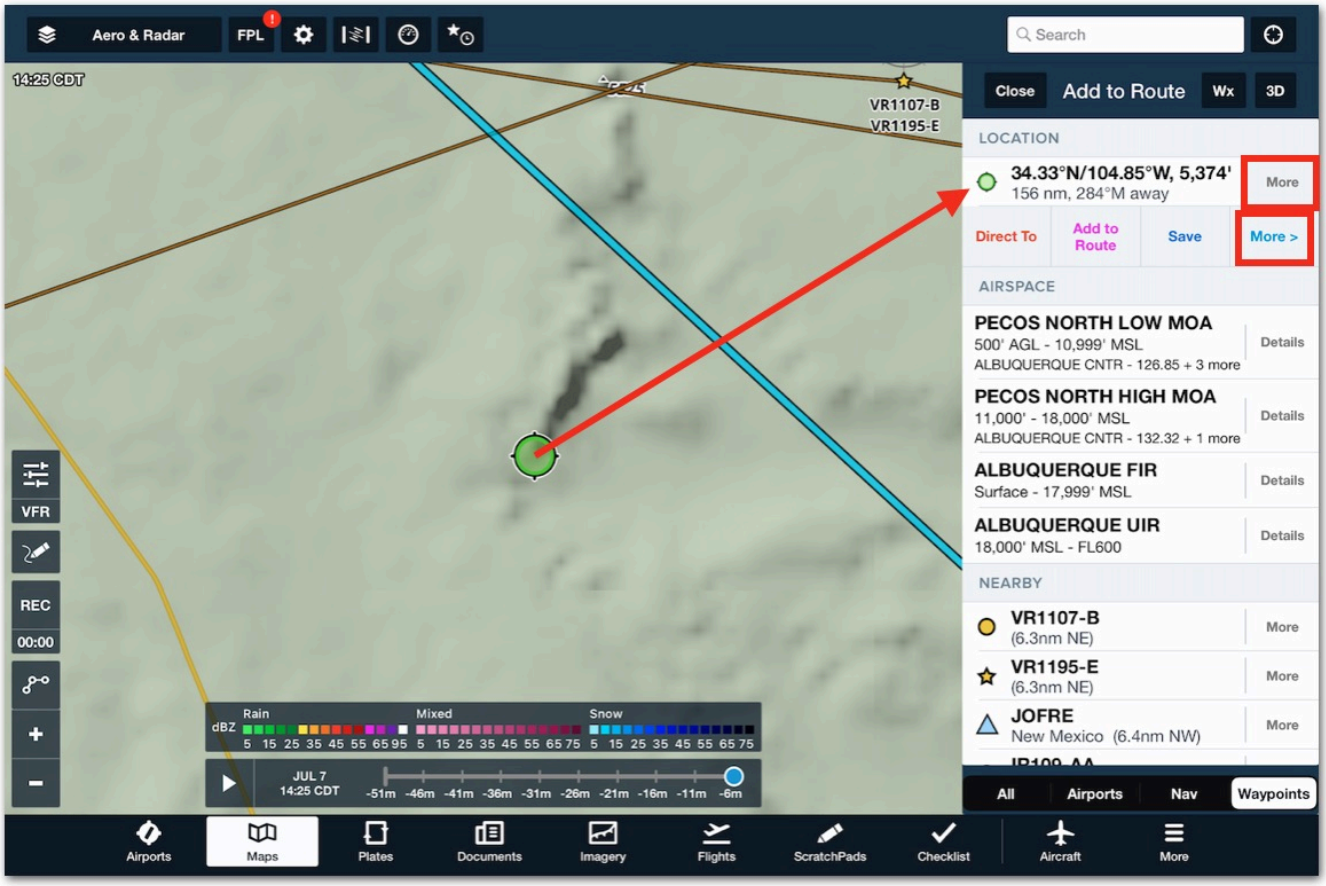
12.2 Setting Bullseye

A Bullseye location can be set on the map using Map-Touch or by tapping on waypoints in the FPL Editor.

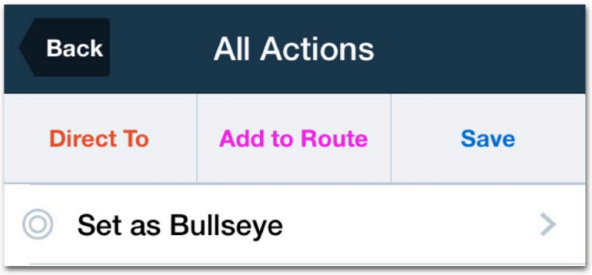
12.2.1 Setting Bullseye Using Map-Touch

To set a Bullseye using Map-Touch:

1. Go to the **Maps** view.
2. Tap and hold on the map where the Bullseye will be located.
3. Tap **More** next to the location's coordinates or waypoint.
4. Select **More >** from the buttons that are shown.



5. Select **Set as Bullseye**.



12.2.2 Setting Bullseye Using the FPL Editor

To set a Bullseye using the FPL Editor,

1. Tap a waypoint to set it as a Bullseye.
2. Select **Set as Bullseye**.

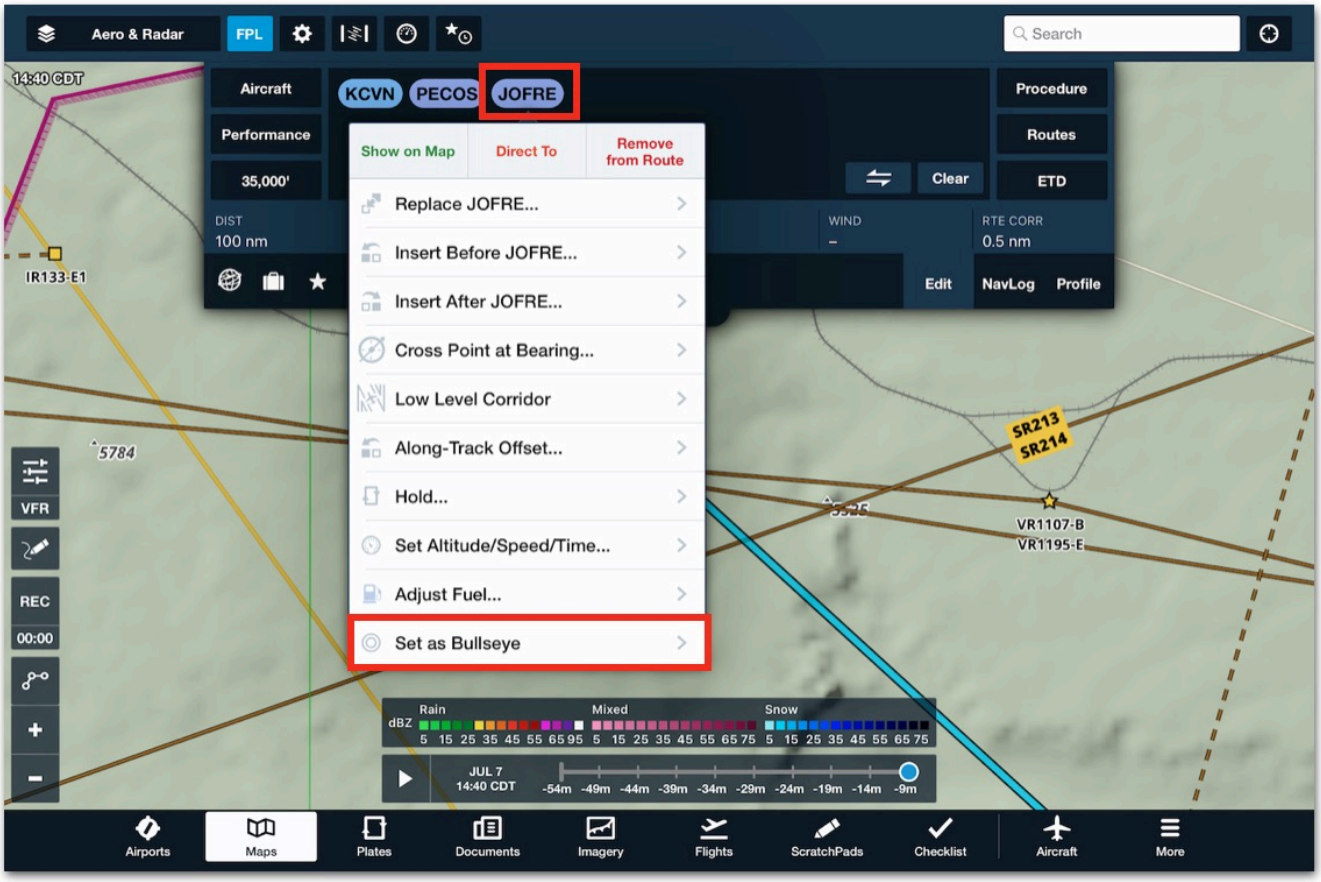


Figure 12-2. Setting Bullseye from the FPL Editor

12.3 Viewing Position Relative to a Bullseye

To view a position relative to the Bullseye:

1. Go to the **Maps** view.
2. Tap the **Instruments** button at the top of the screen (speedometer icon).
3. Tap an unused or existing instrument, then select **Bullseye** to display relative aircraft position.

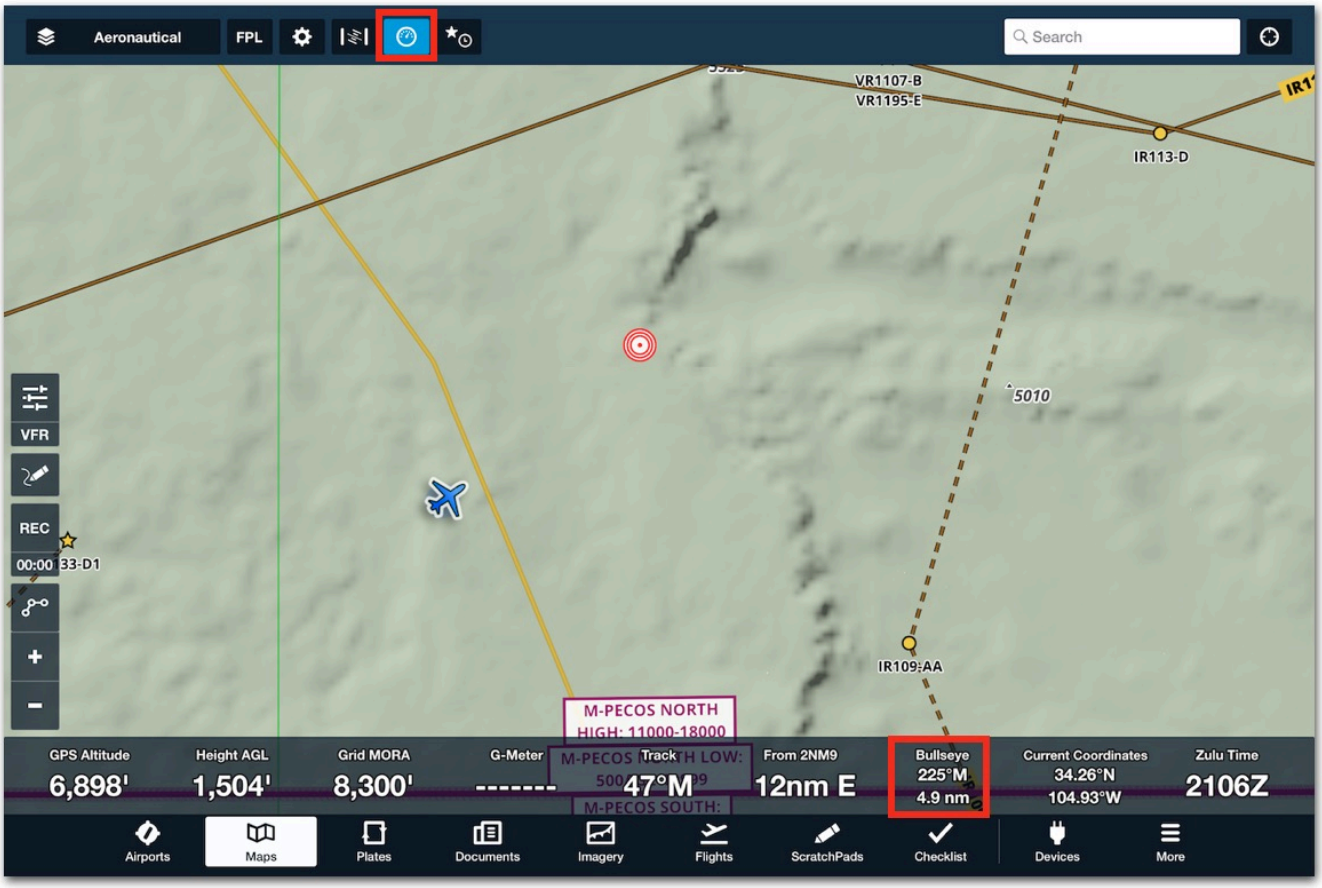


Figure 12-3. Instrument Bar Showing Position Relative to Bullseye

12.4 Viewing Map Location Relative to a Bullseye

To view the relative location of a map location to the Bullseye:

1. Go to the **Maps** view.
2. Tap the map in a location of interest.

A slide-over will appear showing the Bullseye location, distance from the map point, and bearing from the Bullseye to the location.



Figure 12-4. Bearing from Bullseye to a Map Location

12.5 Adding a Bullseye to a Route on Maps

A Bullseye can be added to a route on the map by following these steps:

1. Tap the existing Bullseye.
2. Select **Add to Route**.

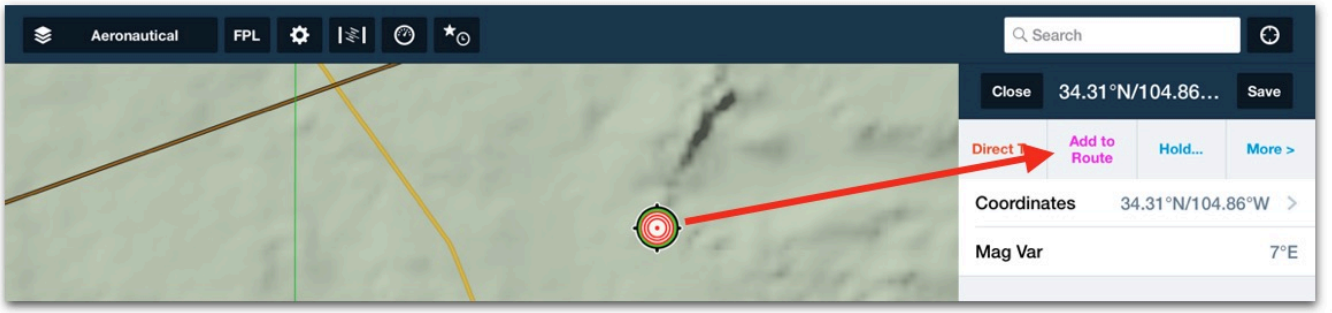


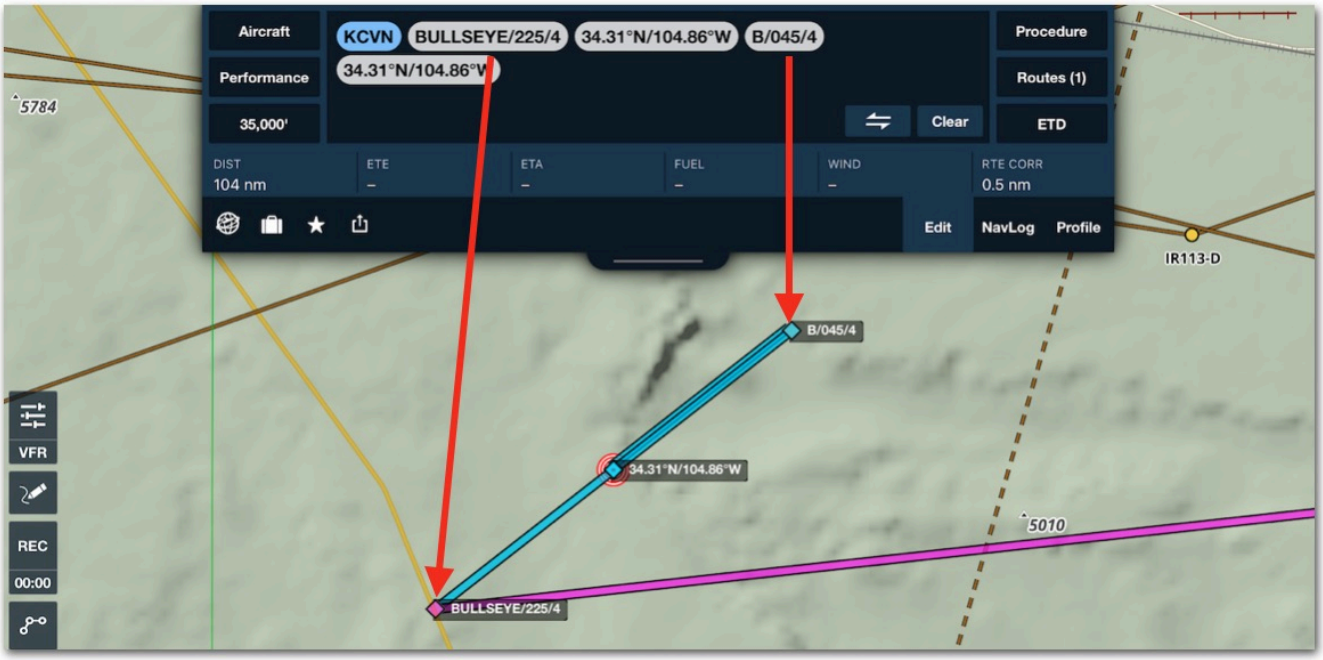
Figure 12-5. Add to Route Button

12.6 Adding a Relative Location to a Route

To add a waypoint defined by a relative direction from a Bullseye, do the following:

1. Go to the **Maps** view.
2. Select the **FPL** button.
3. Select **Edit** in the FPL Viewer.
4. Enter the waypoint from the Bullseye in the following format:
   `BULLSEYE/[radial]/[distance]`

   `BULLSEYE/225/4`. The term "BULLSEYE" may be shortened to "B" (e.g., `B/045/4`).



12.7 Clearing Bullseye

To remove a Bullseye:

1. Tap the active **Bullseye** on the map.
2. Tap the **More** button in the slide-over
3. Tap **Clear Bullseye**.



MARKED POSITION FEATURE

The Marked Positions feature, available with MFB Performance subscriptions, allows for tagging specific points during flight. If the Track Log is recording when a position is marked, the Marked Position is preserved with altitude and speed data in the Track Log. When connected to an AHRS device, pitch, bank, and g-load may also be included. Marked Positions can serve as maneuver markers, reference points, or record-keeping points.

13.1 Enabling Marked Position

To enable the Marked Position feature:

1. Go to the **Maps** view.
2. Tap the **Map Settings** (gear icon) button.
3. Toggle **Marked Positions** on.

> **NOTE:** Ownship must be enabled to activate the Marked Position feature.

Once enabled, a **marked position** button (waypoint marker shape) appears on the left side of the screen.

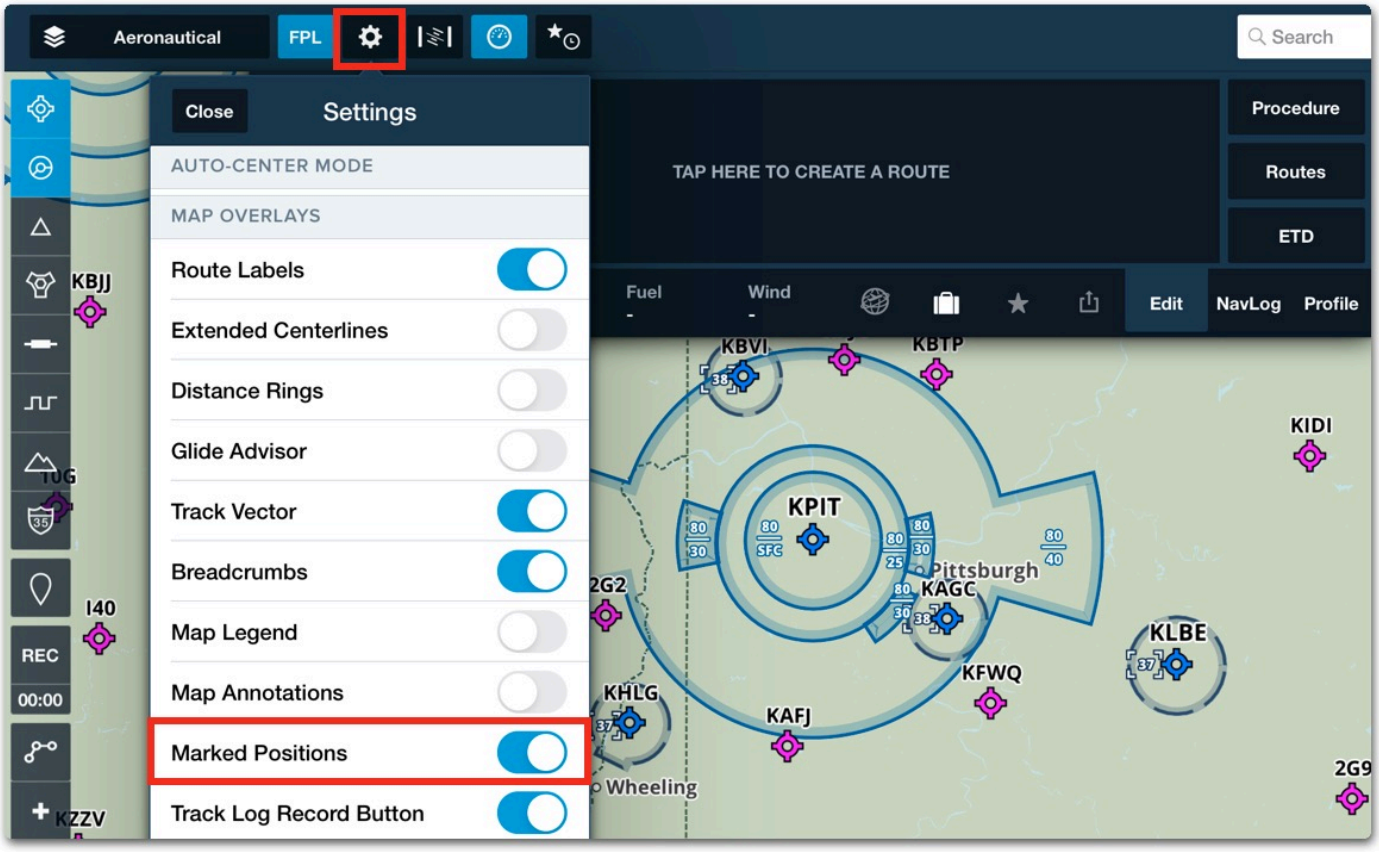


Figure 13-1. Enabling Marked Position

13.2 Marking a Position

To create a marked position during flight:

1. Tap the **marked position** button.
2. In the popover, review the location details.
3. Optionally, enter a name and a description in the **NOTES** field.
4. Tap **Save**.

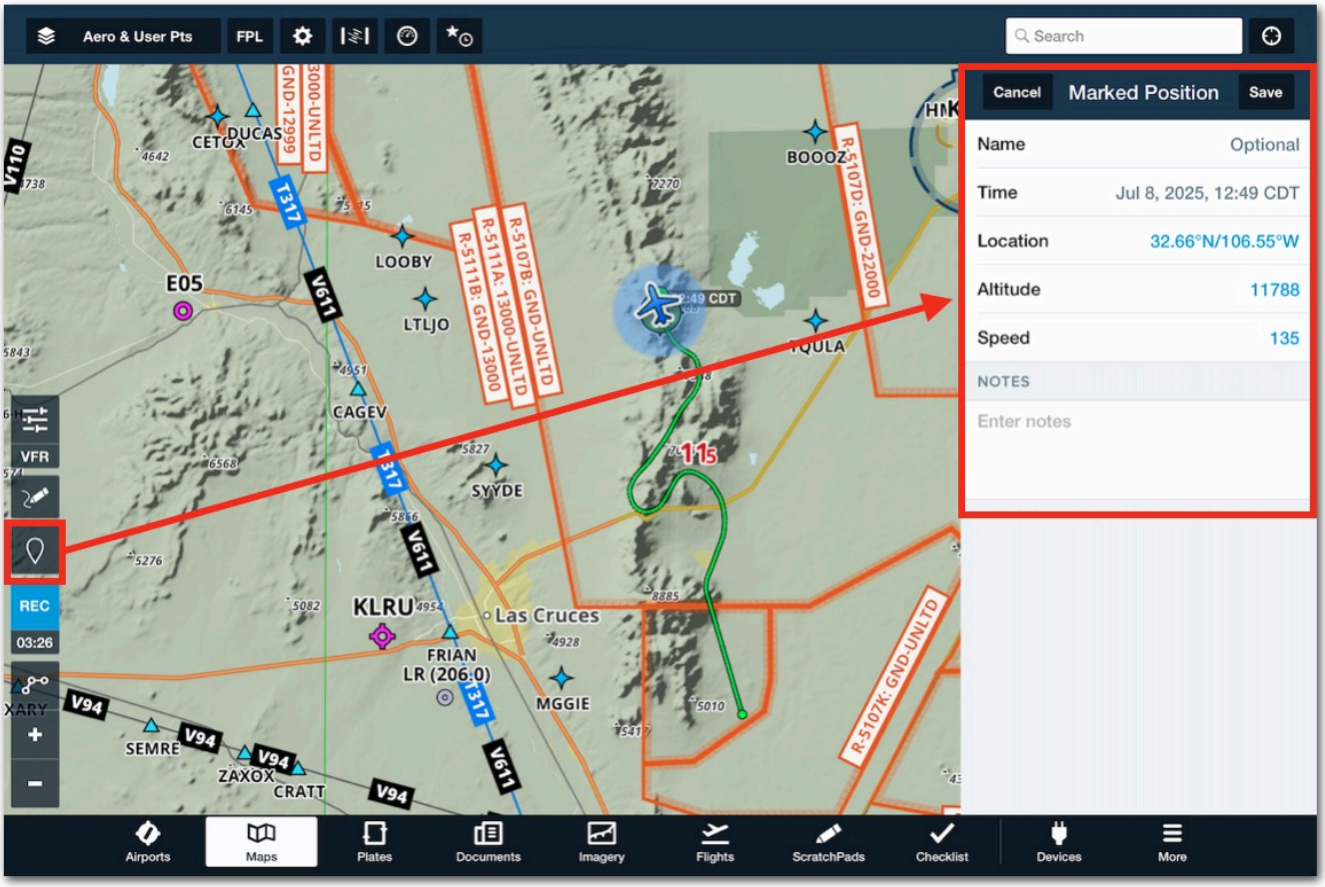


Figure 13-2. Marked Position Menu

13.3 Saving a Marked Position as a User Waypoint

To save a marked position as a user waypoint:

1. Tap the **marked position** button on the map.
2. From the slide-over, select **Edit**.
3. From the next menu, select **Save as User Waypoint**. If the keyboard is shown, minimize the keyboard to view the save option.



Figure 13-3. Save a Marked Position as a User Waypoint

Marked Positions saved as user waypoints can be found by selecting **More → Custom Content → User Waypoints**.

13.4 Removing a Marked Position from the Map

To remove a marked position from the map:

1. Tap the **marked position** icon on the map.
2. From the slide-over, select **Edit**.
3. From the next menu, select **Delete Marked Position**. If the keyboard is shown, minimize the keyboard to view the delete option.



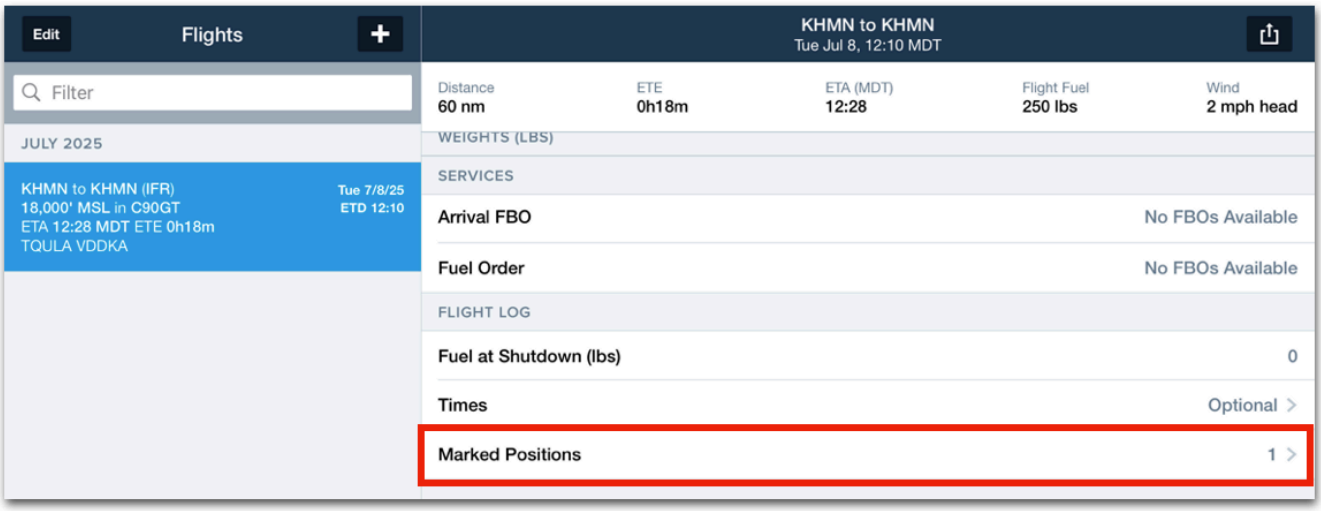
Figure 13-4. Delete a Marked Position

13.5 Exporting Marked Positions

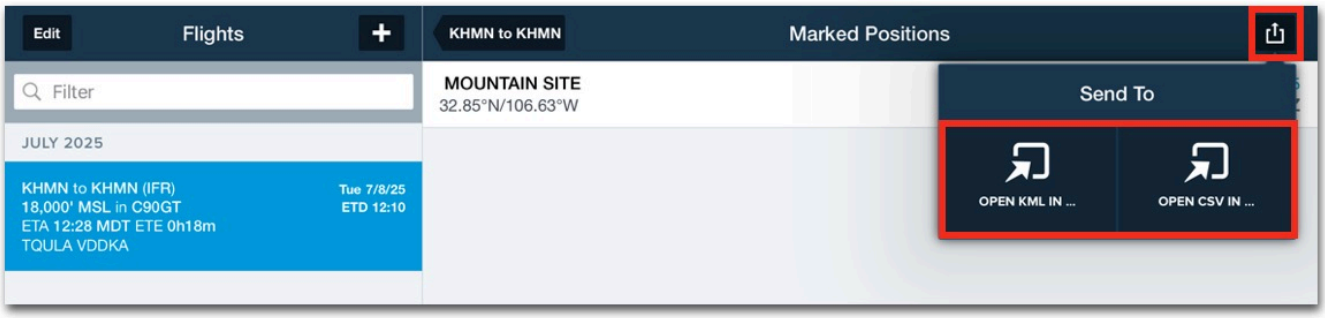
Marked Positions can be exported from the Flights view either as a CSV file or included in a KML file for use in debriefing systems.

To export Marked Positions:

1. Open the **Flights** view.
2. Select the desired flight from the list.
3. Scroll to the FLIGHT LOG section.
4. Tap **Marked Positions**.



5. Select the **Send To** button.
6. Choose from either **Open KML In** or **Open CSV In**.



USER WAYPOINT DISTANCE RINGS

User Waypoint Distance Rings provide a visual reference for radial distances from custom waypoints. Up to three rings can be created per waypoint using nautical miles (NM), statute miles (SM), or kilometers (KM). This feature is available to MFB One and MFB One International subscribers.

Existing user waypoint distance rings can be displayed or hidden from the map, and shared with other users in CSV files.

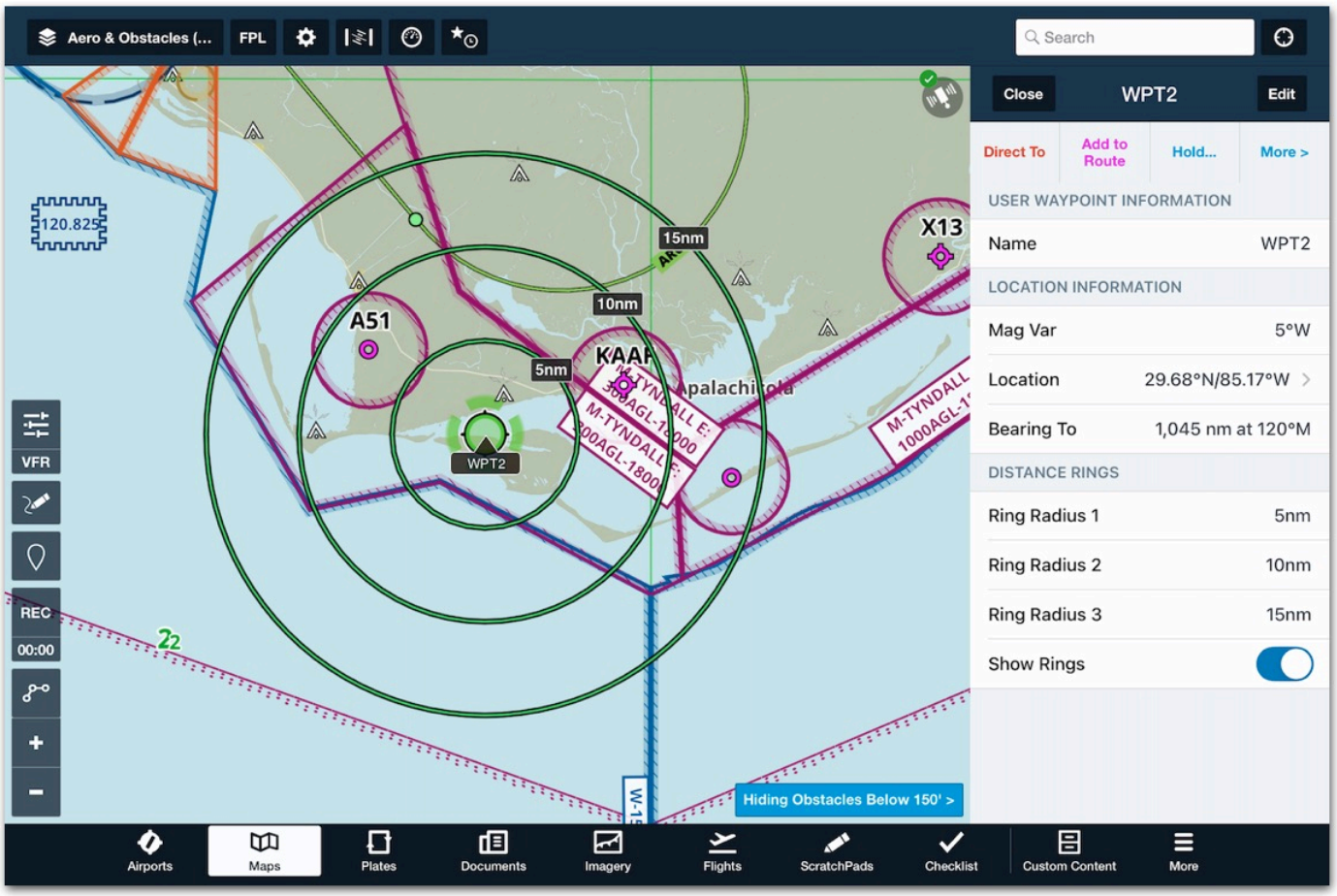


Figure 14-1. User Waypoint Distance Rings

14.1 Adding New User Waypoint with Distance Rings

New user waypoints with distance rings can be created visually by tapping on the Maps view or by entering coordinates in the Custom Content view.

> **NOTE:** ForeFlight Military Flight Bag users with Dispatch can also create distance rings in Dispatch. For more information, refer to the Custom Content chapter of the ForeFlight Dispatch Guide.

14.1.1 Maps View - Adding a User Waypoint with Distance Rings

To create a new user waypoint with distance rings from the Maps view:

1. Touch and hold the desired location.
2. In the Add to Route sidebar, tap **More** next to the position coordinates.
3. Tap **Save**.
4. In the User Waypoint menu, enter values in the **Ring Radius 1**, **Ring Radius 2**, and **Ring Radius 3** fields (any order).
5. Select **NM**, **SM**, or **KM** to define the unit of measurement.

6. Tap **Save**.

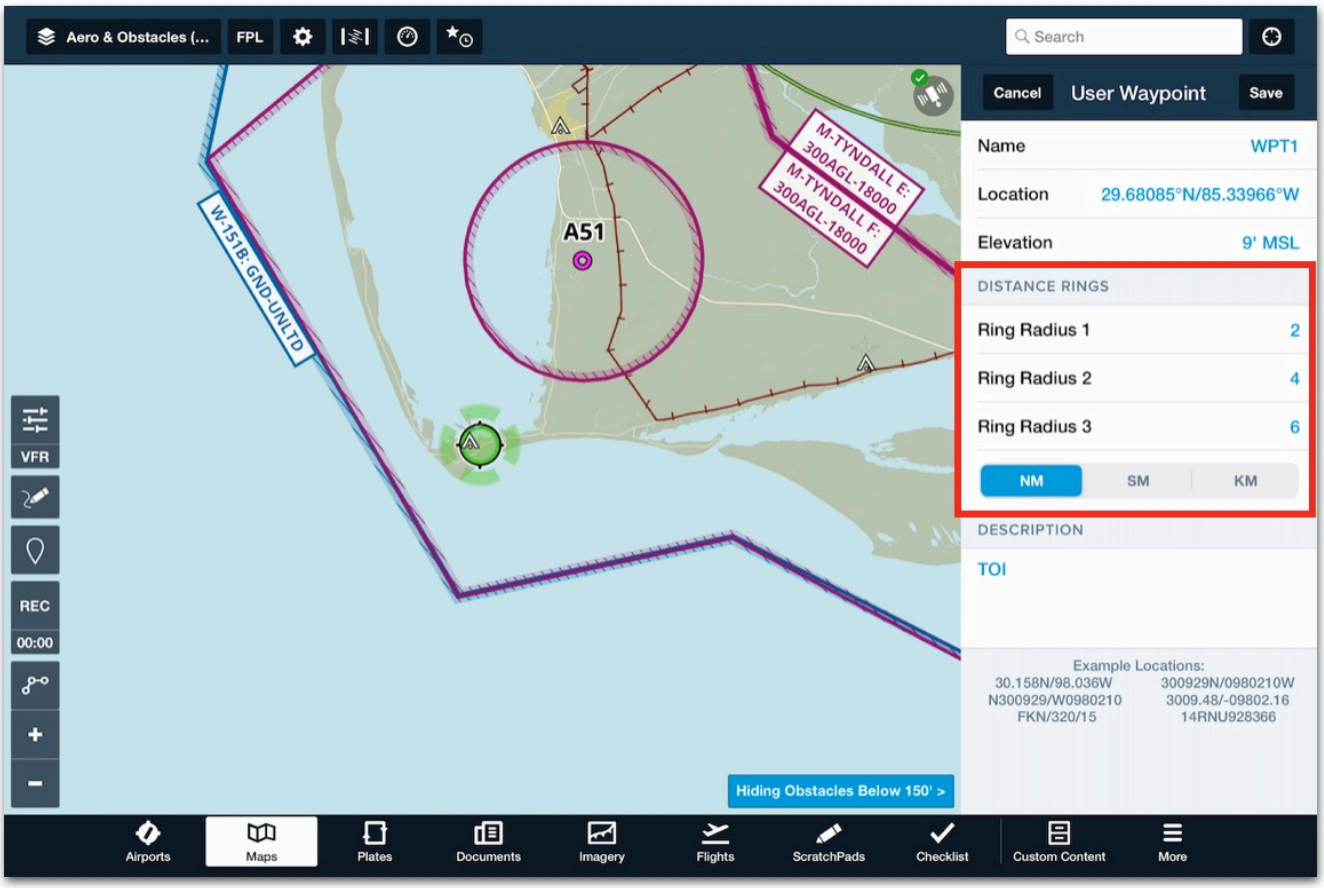


Figure 14-2. User Waypoint Menu with Distance Rings Options - Maps View

14.1.2 Custom Content View - Adding a User Waypoint with Distance Rings

To add a user waypoint by entering coordinates manually from the Custom Content view:

1. Tap **More → Custom Content → User Waypoints**.
2. Tap the **Add User Waypoint (+)** button in the top-right corner.
3. In the User Waypoint menu, enter a **Name** and **Location** (lat/long).
4. In the Distance Rings section, enter values in the **Ring Radius** fields.
5. Select **NM**, **SM**, or **KM**.

6 Tap **Save**.

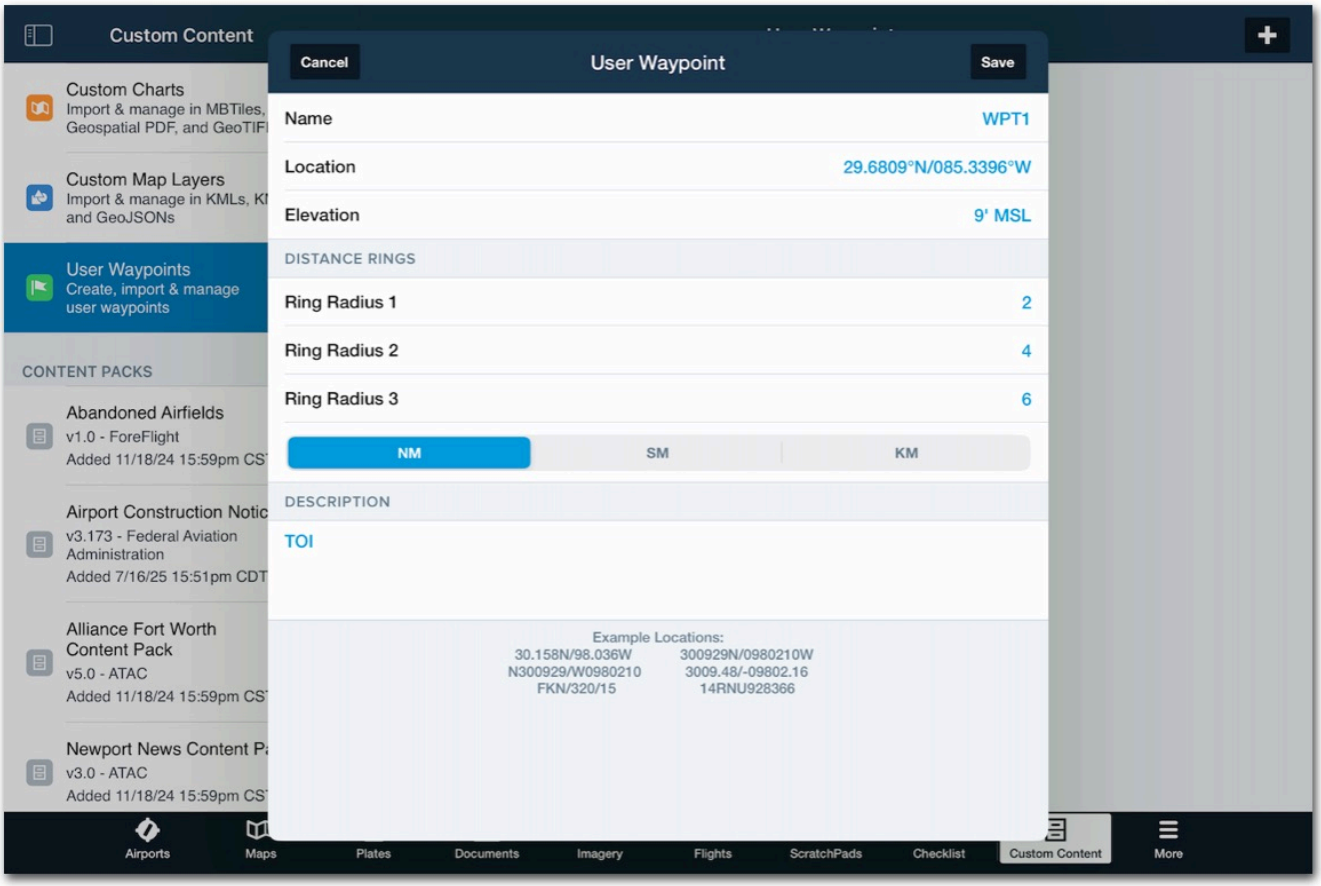


Figure 14-3. User Waypoint Menu with Distance Rings Option - Custom Content View

14.2 Editing User Waypoint Distance Rings

Distance rings can be added, changed, or removed from existing user waypoints using either the Maps view or the Custom Content view.

14.2.1 Editing User Waypoint Distance Rings on the Map

To add or edit distance rings for an existing user waypoint from the Maps view, follow these steps:

1. Select the **User Waypoints** map layer from the Map Layer dropdown menu.
2. Tap the desired user waypoint on the map.

   A sidebar will appear.
3. In the sidebar, tap **Edit**.
4. Update the **Ring Radius** fields as needed.

5. Select or change the unit of measurement.

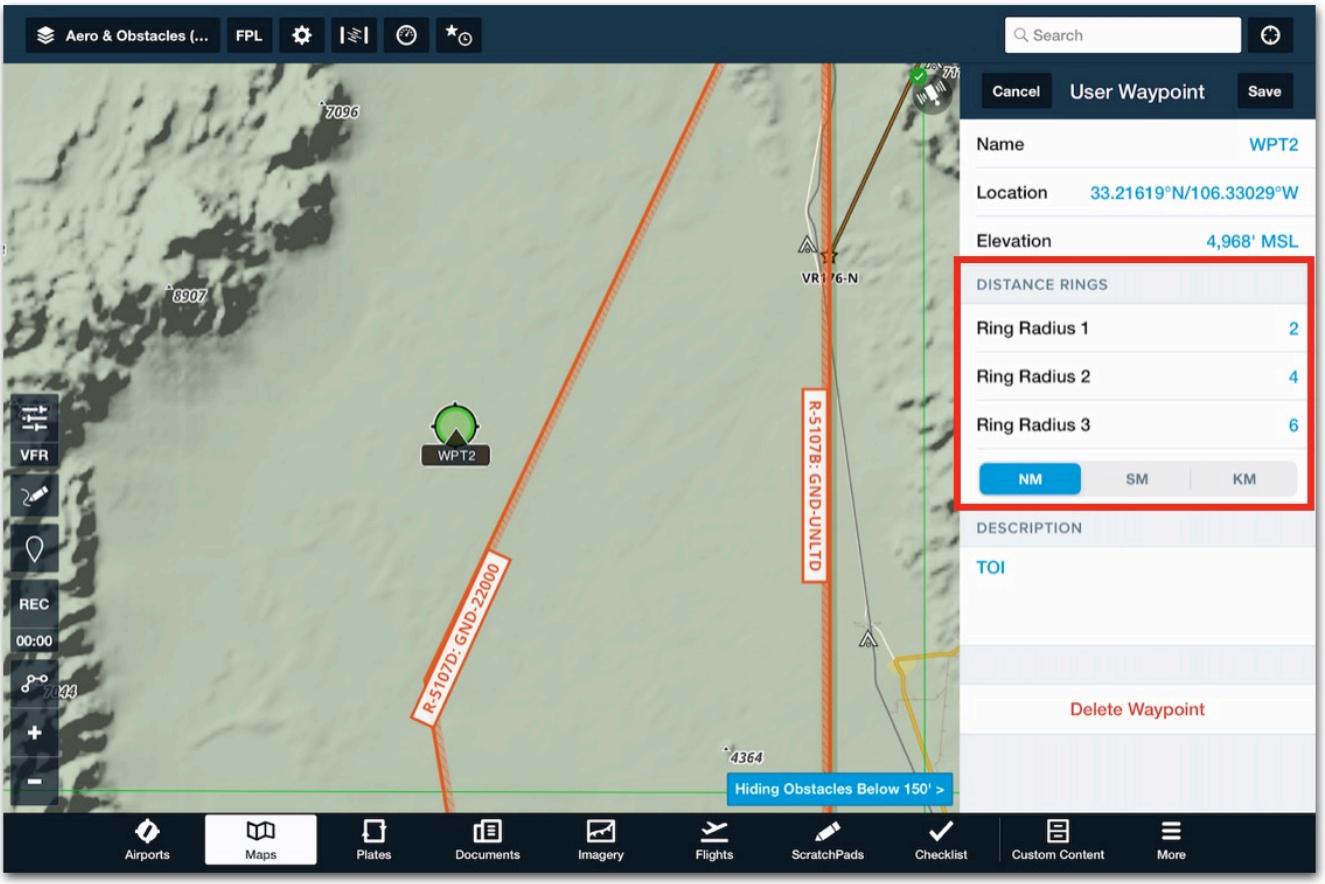


Figure 14-4. Adding Distance Rings to Existing User Waypoint on the Map

6. Tap **Save**.

14.2.2 Editing User Waypoint Distance Rings in the Custom Content View

To add or edit distance rings for an existing user waypoint from the Custom Content view, follow these steps:

1. Tap **More → Custom Content → User Waypoints**.
2. Tap the desired waypoint from the list.
3. Edit the **Ring Radius** values and the unit of measurement.

4 Tap **Save**.

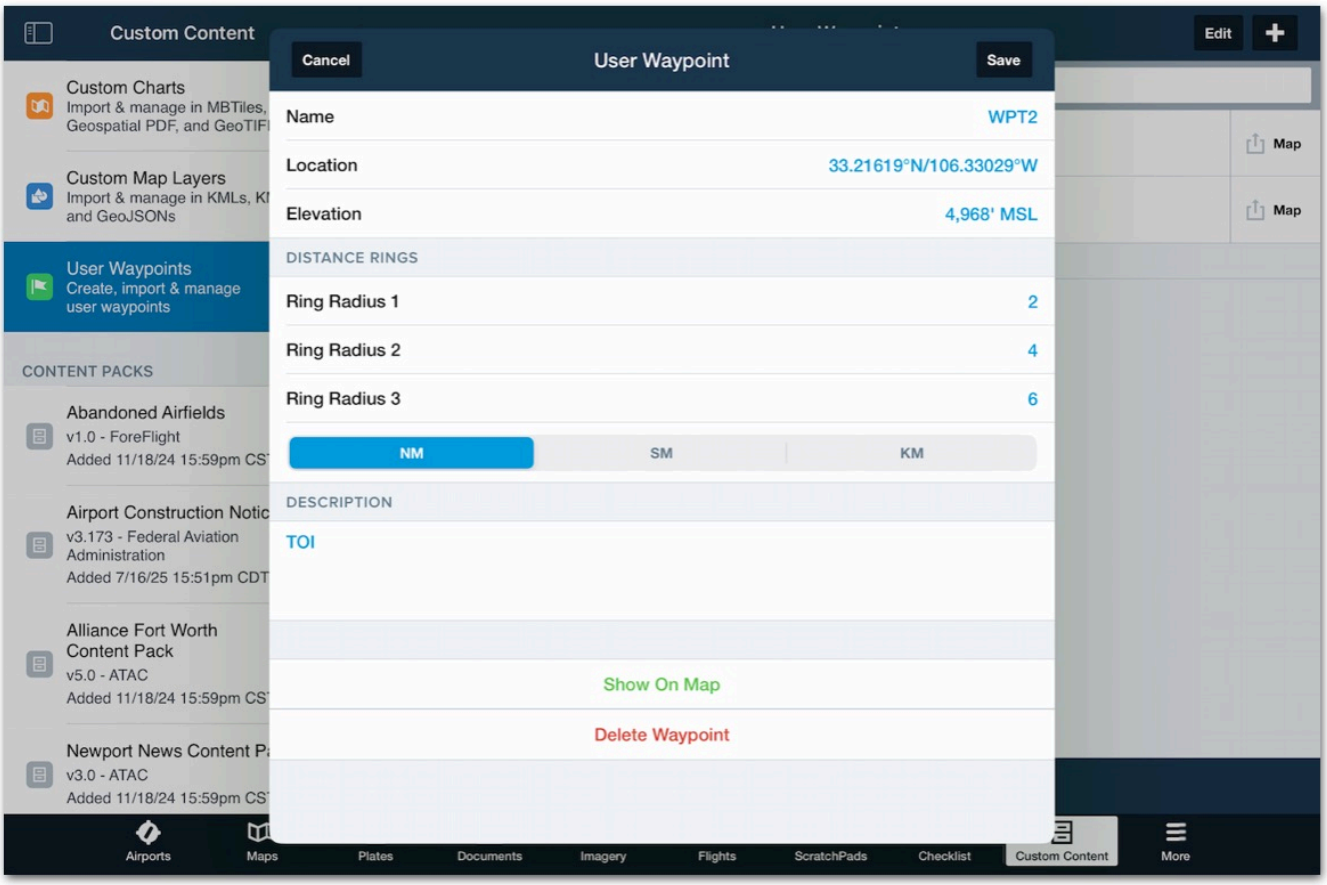


Figure 14-5. Adding Distance Rings to Existing User Waypoint in Custom Content

14.3 Show/Hide Distance Rings

Distance Rings can be enabled or disabled per user waypoint from the Maps view. To show or hide distance rings for individual waypoints from the Maps view:

1. Turn on the **User Waypoints** map layer.
2. Tap the desired user waypoint on the map.
3. In the Map Details sidebar, toggle the **Show Rings** switch on or off.

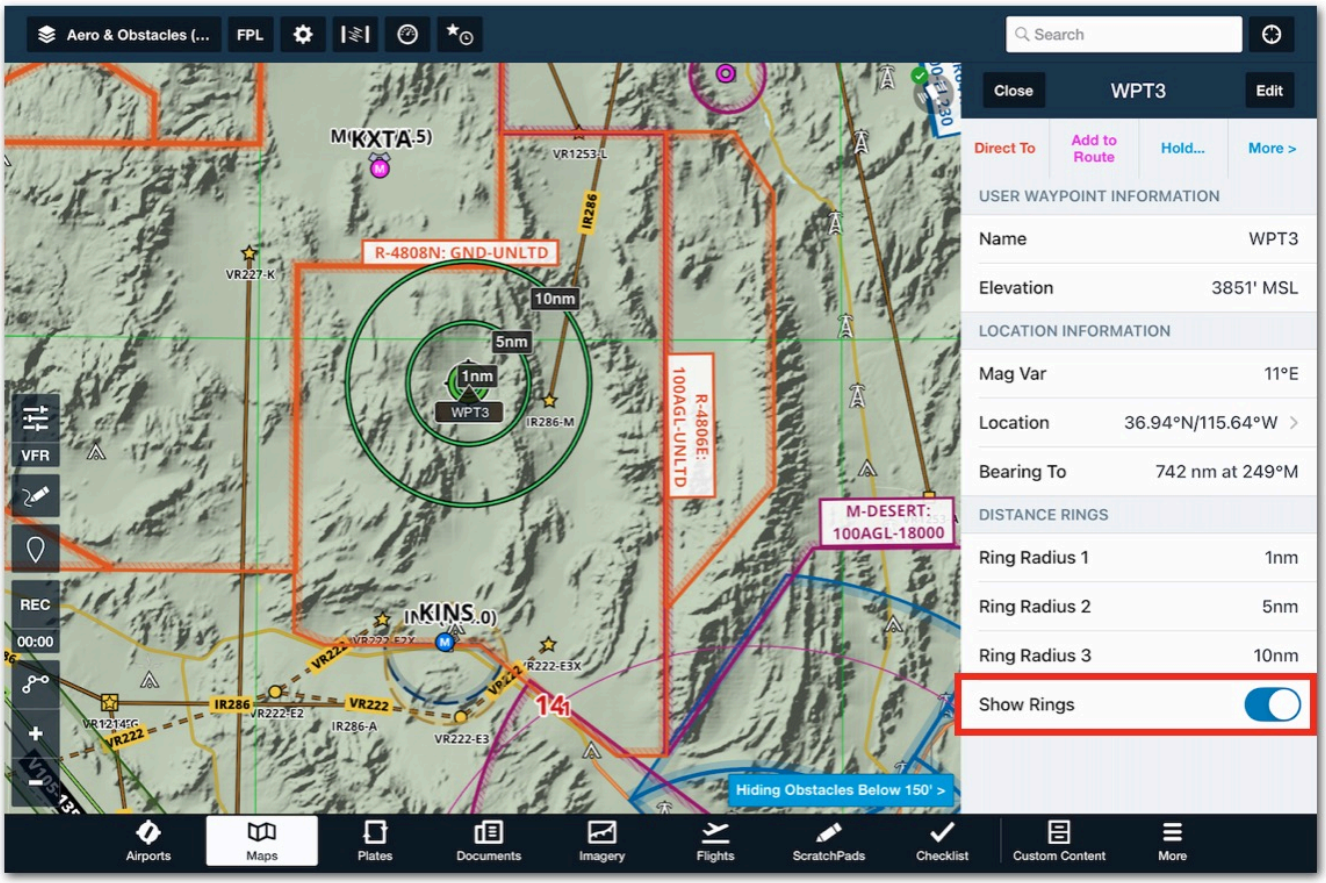


Figure 14-6. Show Distance Rings Toggle

> **NOTE:** The Custom Content view does not offer a **Show Rings** Toggle. Use the **Send to Map** button to enable or disable Distance Rings per user waypoint.

14.4 Sharing Distance Rings

User waypoints can be shared via CSV file, described in the Custom Content chapter of the ForeFlight Mobile Pilot's Guide. To incorporate distance rings in a CSV file, add the following columns to the User Waypoint CSV file:

- **RangeRing1** , **RangeRing2** , and **RangeRing3**: Values for each ring (up to four digits).
- **RangeRingUnit**: Unit of measurement (nm, sm, or km).

Name	Description	Latitude	Longitude	Elevation
NORTH_BASE	North Base	29.243	-97.565	450
WD355	West Delta 355	27.443	-98.123	355
WEST_LAKE_FD	West Lake Fire	28.202	-90.788	1276
VFD23	Volunteer Fire Station	26.955	-93.544	355
HOME	Home Sweet Home	29.512	-94.233	2934

Example CSV File Columns 1 through 5

Elevation	RangeRing1	RangeRing2	RangeRing3	RangeRingUnit
450	5	10	15	nm
355	2	5	7	nm
1276	10	20	30	sm
355	4	6	8	km
2934	20	40	60	km

HAZARD ADVISOR

Hazard Advisor is a preflight and inflight map overlay that evaluates routes for hazardous terrain and obstacles and visualizes potential conflicts at varying altitudes. It functions alongside the **Altitude** slider located in the lower-right corner of the Maps view.

Hazard Advisor is available with MFB Performance subscriptions. Additional settings exclusive to ForeFlight Military Flight Bag customers allow custom hazard detection altitudes beyond the default options to be configured.

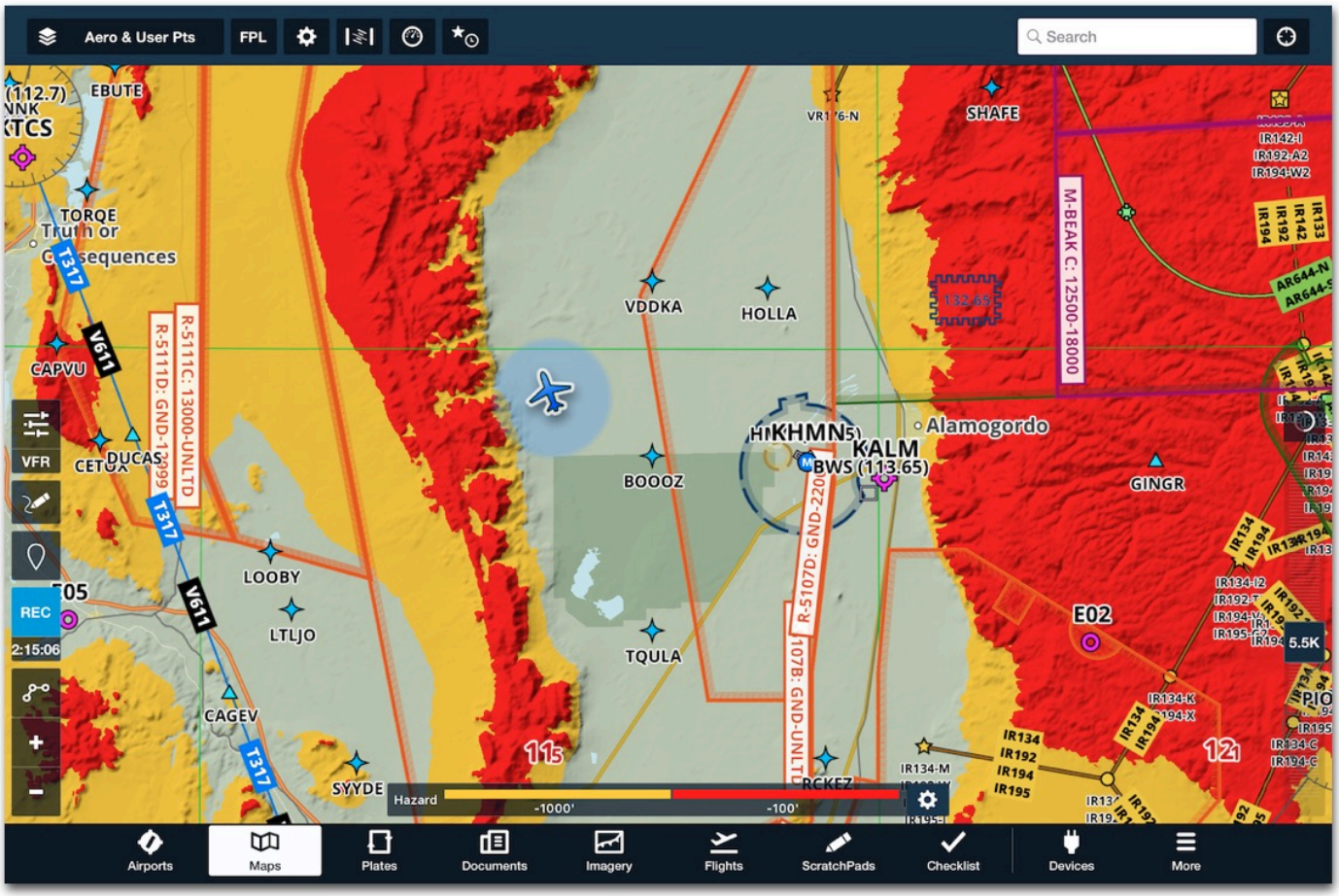


Figure 15-1. Hazard Advisor

15.1 Enabling Hazard Advisor

To enable Hazard Advisor:

1. Go to the **Maps** view.
2. Open the **Layer Selector**.
3. Select **Hazard Advisor**.

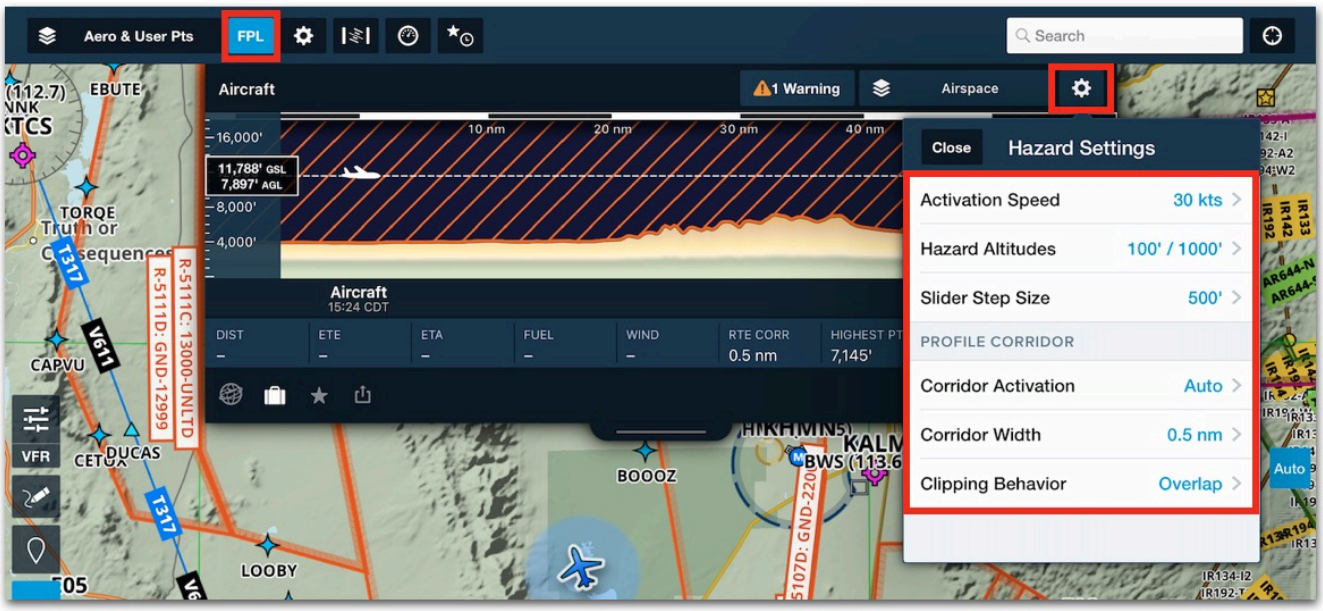


15.1.1 Configuring Hazard Settings

To Adjust Hazard Advisor Settings:

1. On the Maps view, tap the **FPL** button.
2. Tap **Profile** in the Flight Plan Viewer.
3. Tap the gear icon to open settings.

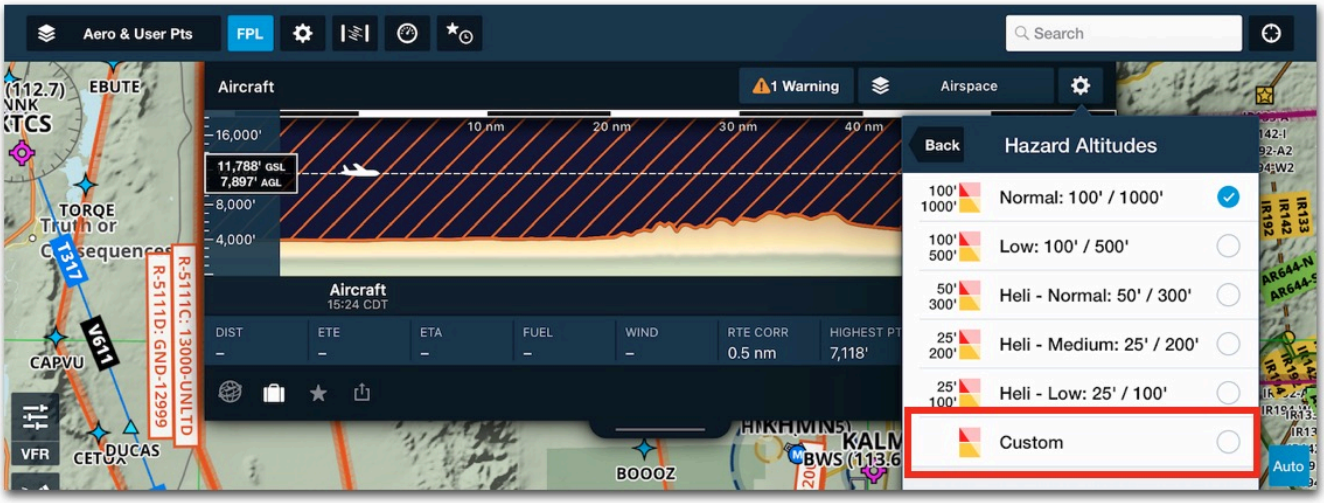
4. Set Corridor Width, Activation Speed, Hazard Altitudes, and Slider Step Size as needed.



15.1.2 Configuring Custom Hazard Altitudes

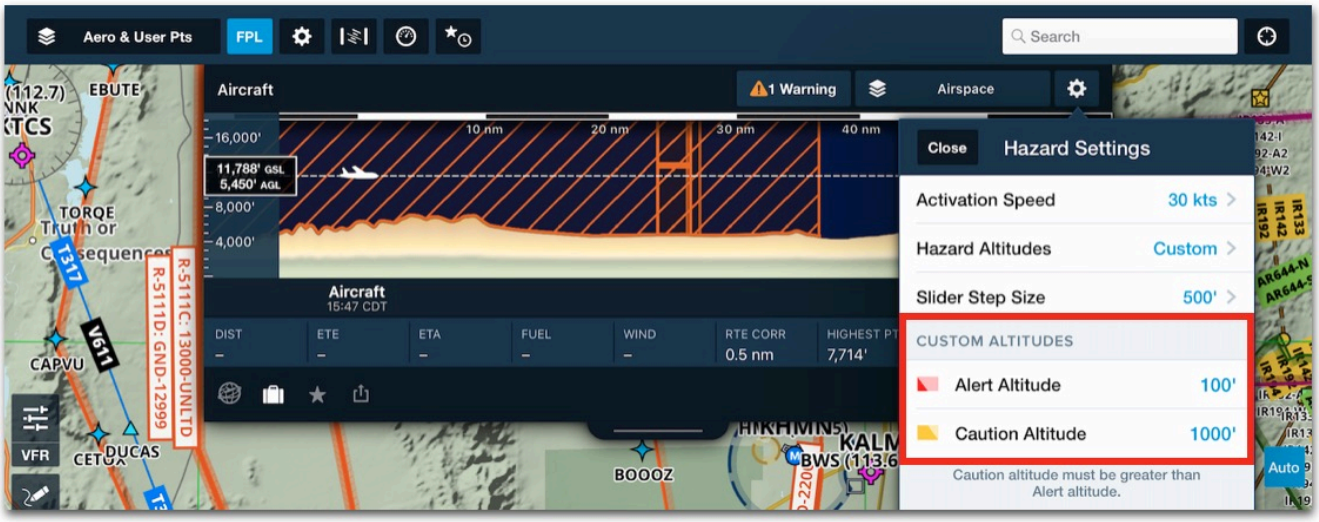
To Configure Custom Hazard Altitudes:

1. Tap the **Hazard Altitudes** option.
2. Tap **Custom**.



3. Tap **Back**.

4 Enter the desired **Alert Altitude** and **Caution Altitude**. Custom altitudes can be set between 0 and 99,999 feet. Caution Altitude must be greater than Alert Altitude.



HAZARD SETTINGS

The Hazard Settings menu configures the Hazard Advisor, Profile View, and Profile Corridor. In addition to standard settings available to Essential and higher subscription tiers, ForeFlight Military Flight Bag users can access enhanced customization options.

16.1 Accessing the Hazard Settings

The Hazard Settings menu can be accessed using any of the following methods:

- Tap **More ➔ Settings**, scroll to the Map View section, then tap **Hazards**.
- In the Maps view, select the **Hazard Advisor** map layer. Tap the **Hazard Settings** (gear icon) button next to the map legend at the bottom of the Map.
- In the Maps view, tap **FPL**, then **Profile**. Tap the gear icon in the upper-right corner of the Profile drawer.

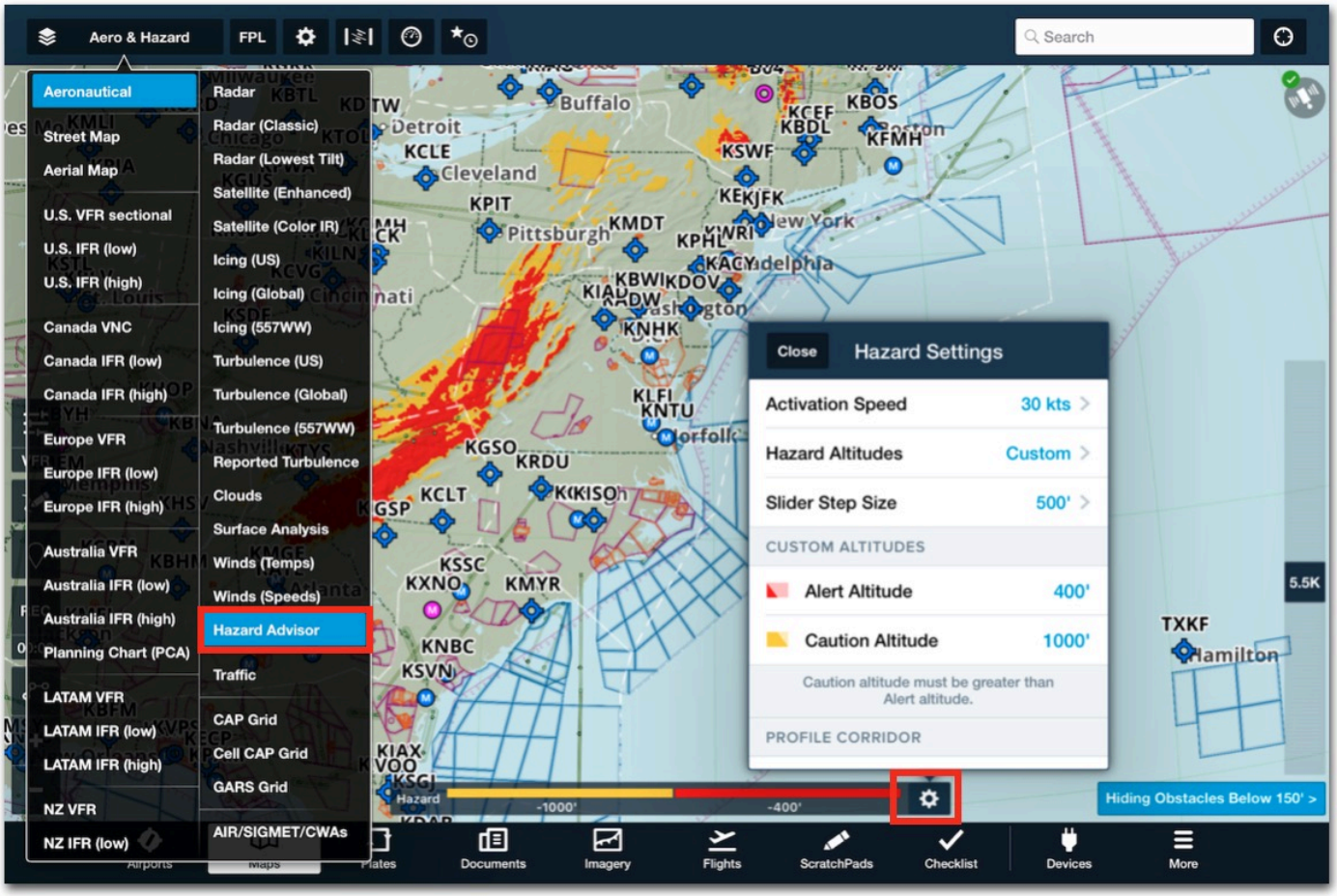


Figure 16-1. Hazard Settings from Hazard Legends Settings Button

16.2 Corridor Width

Corridor Width determines how far from the route centerline hazards are evaluated. ForeFlight Military Flight Bag users can set a custom corridor width beyond the default options.

To configure a custom corridor width:

1. In the Hazard Settings menu, tap **Corridor Width**.
2. Select **Custom**.
3. Tap the **Back** button.
4. Tap the now-visible **Custom Width** field and enter a value between 1 and 99 (units in nautical miles).

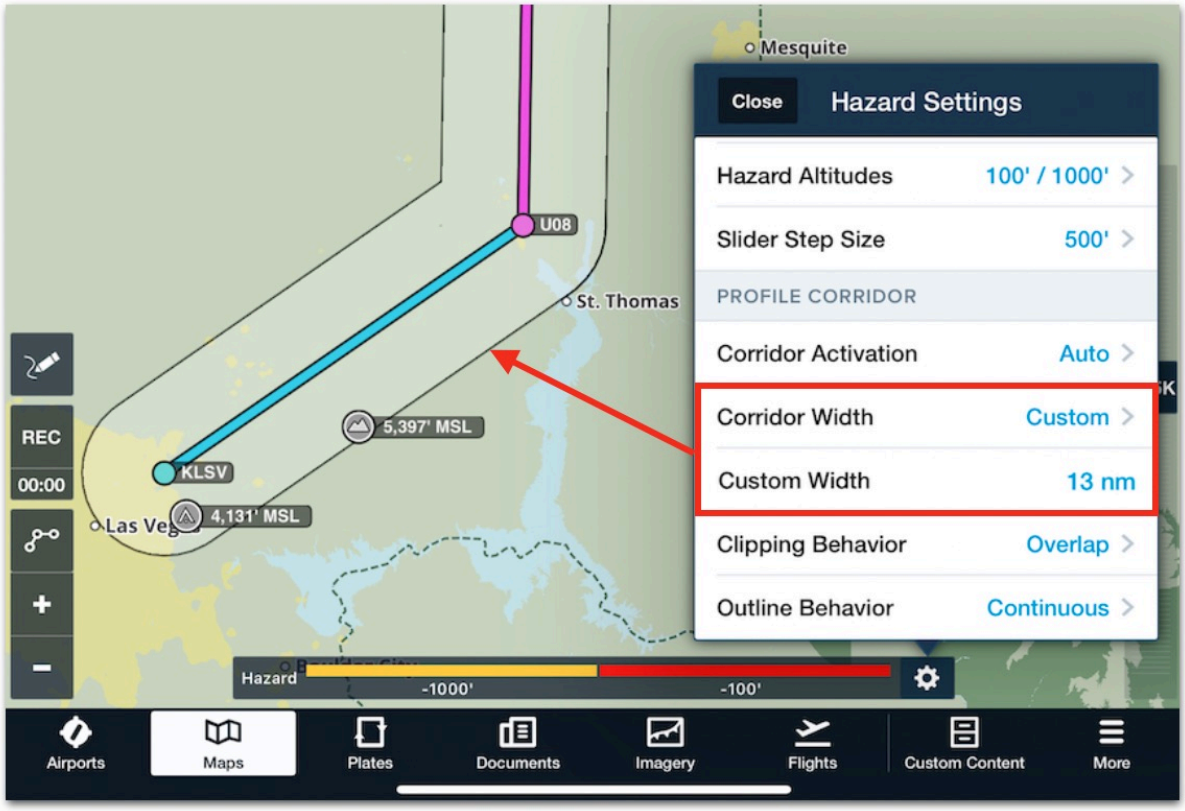


Figure 16-2. Profile Corridor Custom Width

16.3 Clipping Behavior

Clipping Behavior determines how the Profile Corridor evaluates terrain and obstacle data around waypoints at leg transitions. These settings do not affect obstacle detection around the departure or destination waypoints.

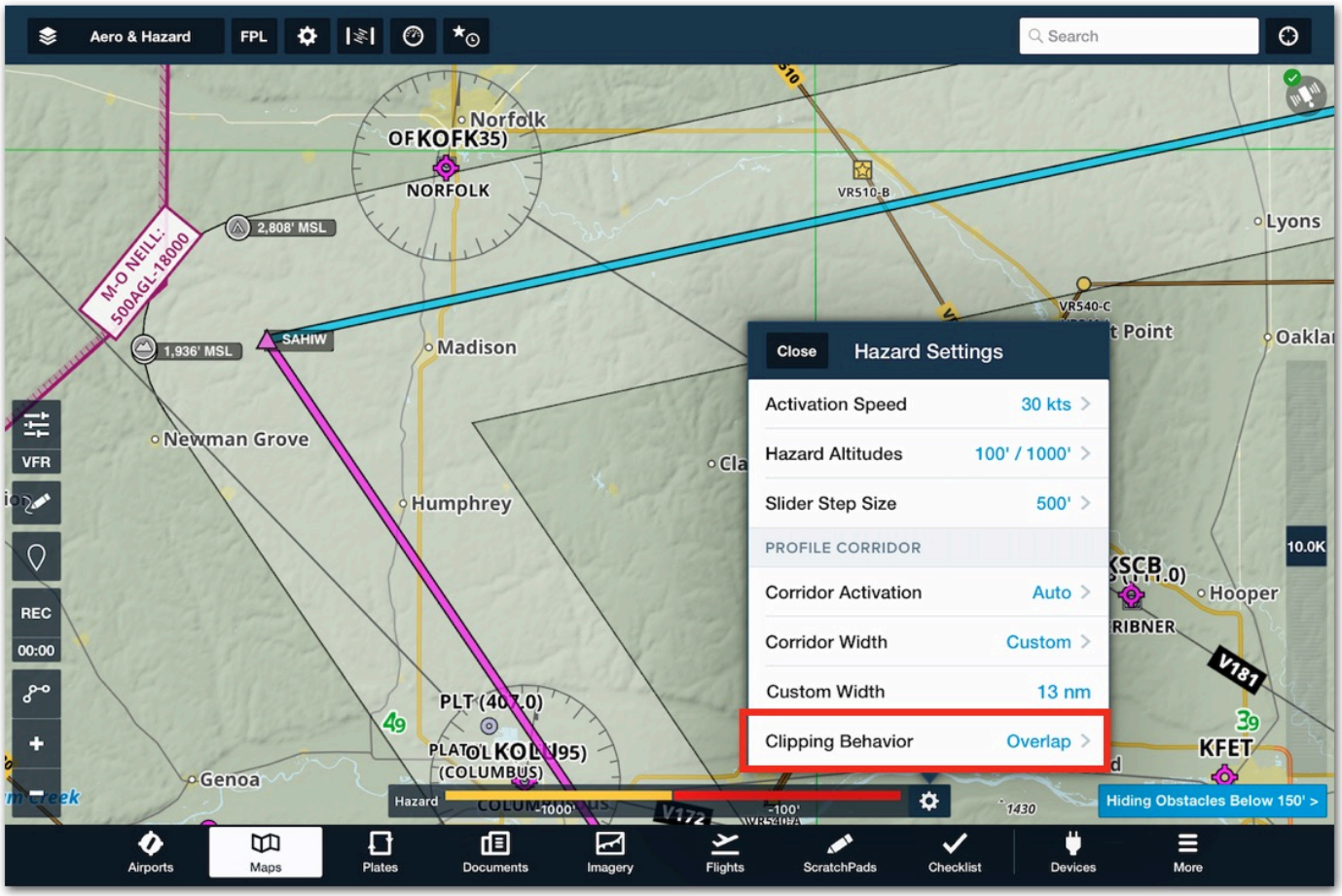
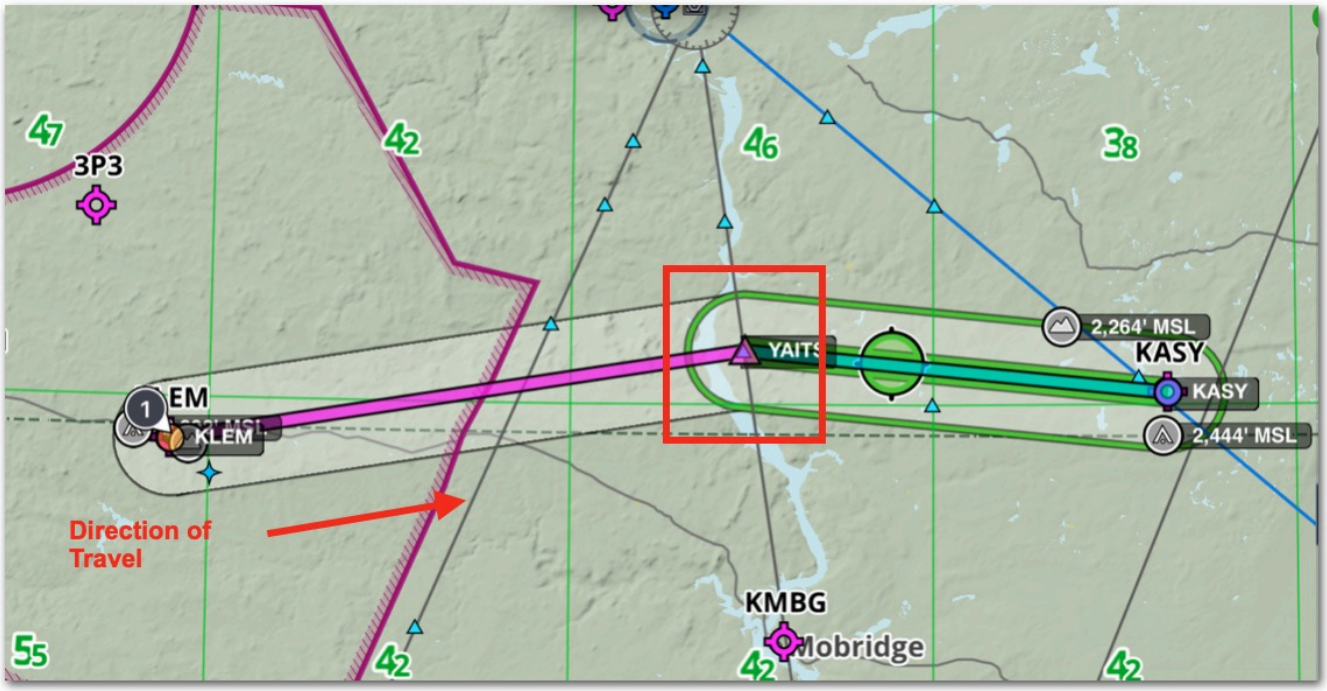


Figure 16-3. Clipping Behavior Setting

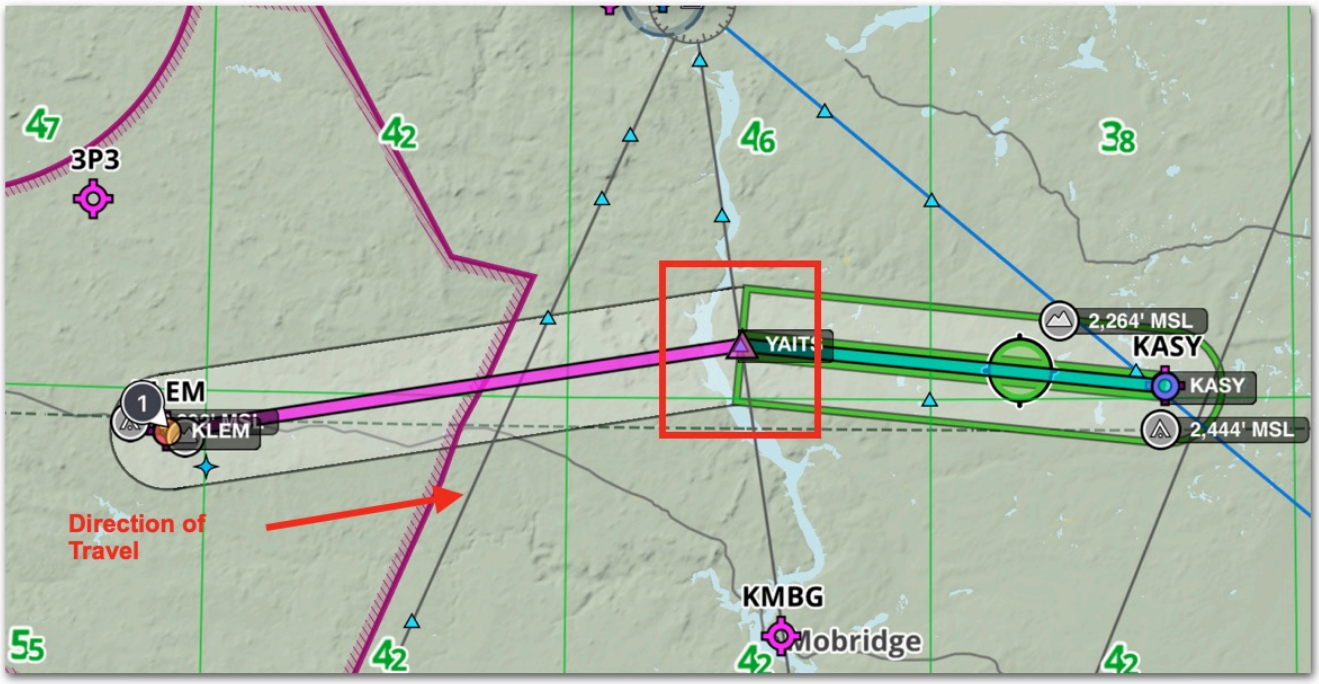
16.3.1 Clipping Behavior Settings

The following clipping behavior settings are available:

- **Overlap:** Extends the Profile Corridor in a radius around the starting waypoint of each leg. Terrain and obstacle evaluation overlaps the end of the preceding leg.



- **Clip:** Starts the Profile Corridor perpendicular to the route on either side of the leg's starting waypoint (excluding the departure waypoint).



OBSTACLES (DOD)

MFB One subscriptions for the United States, Canada, Germany, Australia, Norway, or NATO countries include access to the Department of Defense (DOD) Obstacle database. This database contains more than 23 million obstacles, filtered to display only those taller than 20 feet. It provides approximately four times the obstacle coverage of the Worldwide (Jeppesen) Obstacle database.



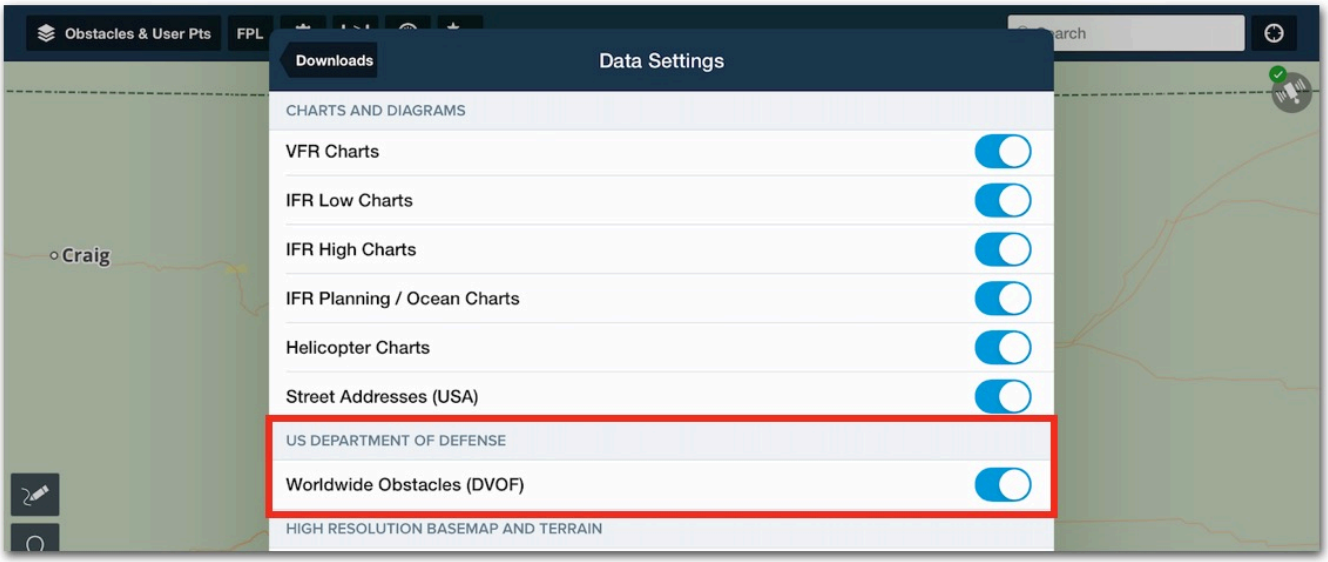
Figure 17-1. DOD Obstacles

17.1 Downloading DOD Obstacles

To use the Department of Defense (DOD) Obstacle data, the Worldwide Obstacles Digital Vertical Obstruction File (DVOF) must be installed. This dataset enables the obstacle layer associated with DOD coverage.

Follow these steps to install the DVOF:

1. Tap the **More** button.
2. Select **Downloads**.
3. Tap **Data Settings**.
4. Use the switch to enable **Worldwide Obstacles (DVOF)**.



5. Select the **Back** button to return to the Downloads view.
6. Tap the blue **Download** button to install the data.

> **NOTE:** If the DVOF has not been installed, a prompt will appear automatically when selecting the **Obstacles (DOD)** map layer.

The DVOF database is updated every 28 days. To help ensure current data is available, confirm that Automatic Downloads is enabled under
More → Settings → Automatic Downloads.

17.2 Displaying Obstacles (DOD)

To display DOD obstacles:

1. Open the **Maps** view.
2. Tap the layer selector in the upper left corner.
3. Select the **Obstacles (DOD)** map layer from the Layer Selector.



Figure 17-2. Obstacles (DOD) Layer Enabled

The map layer is dynamic. Fewer obstacles appear when zoomed out, more appear when zoomed in.

4. Tap any obstacle to view height and lighting details in a popover.

17.2.1 Hazard Coloring

Obstacles can be color-coded red or yellow based on altitude and proximity to the aircraft when in motion.

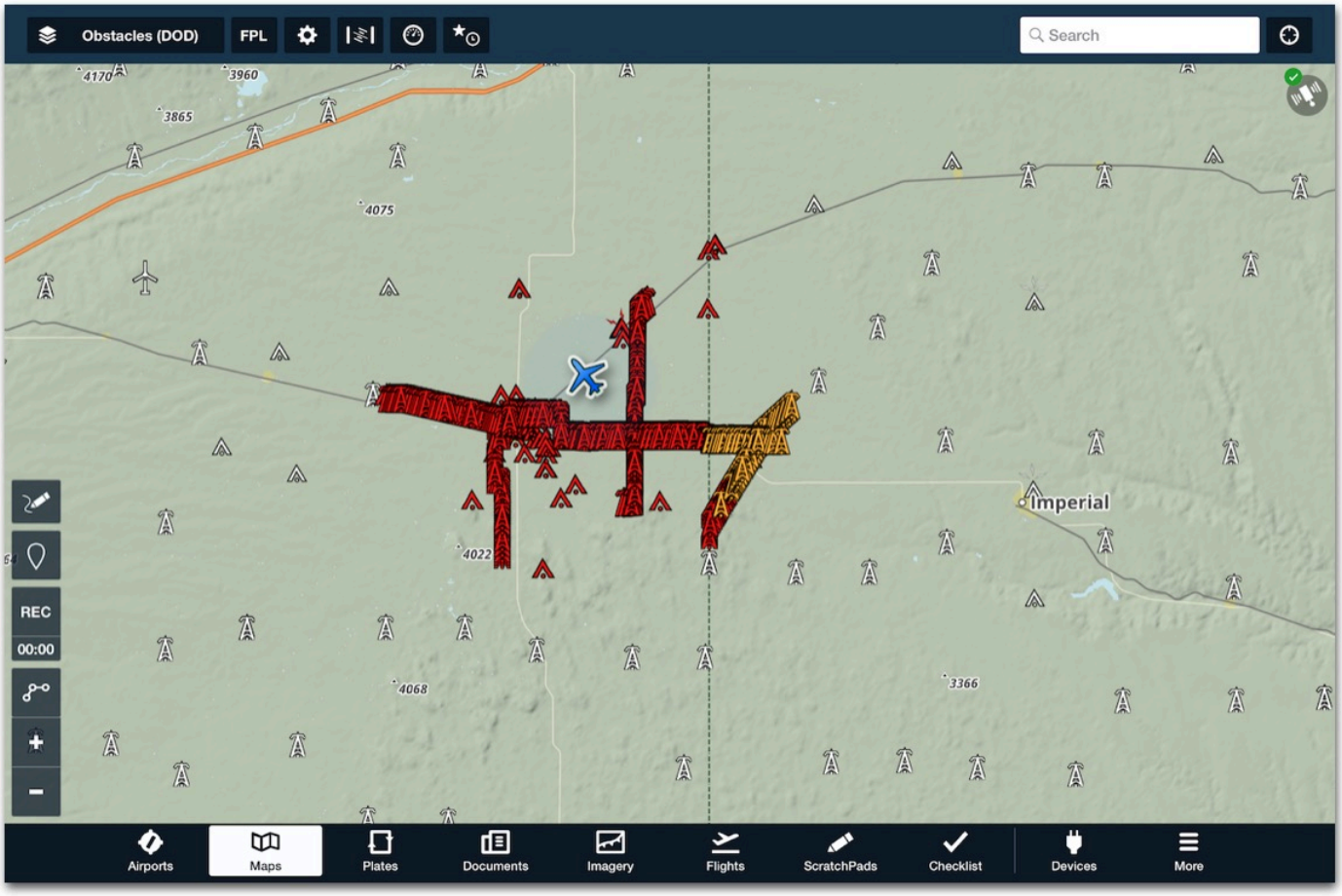


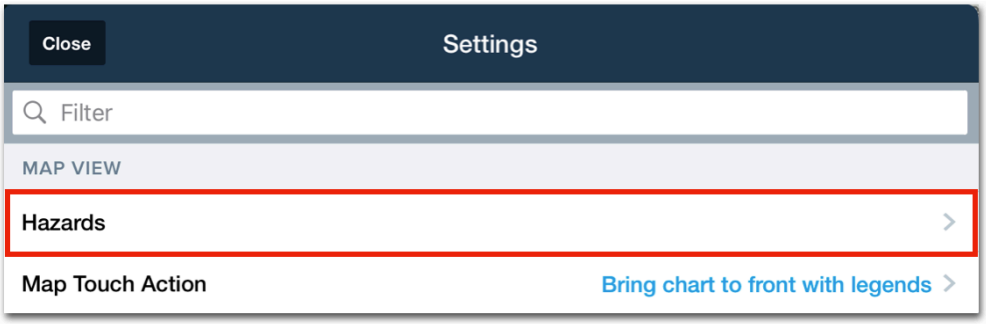
Figure 17-3. Obstacles Hazard Coloring

17.2.1.1 Configuring Hazard Color Activation Settings

To configure hazard color activation settings:

1. Go to **More → Settings**.

2. In the Map View section, select **Hazards**.



3. Set an **Activation Speed** (minimum ground speed for highlighting).
4. Select **Hazard Altitudes** to define how close an obstacle must be to trigger yellow or red coloring.



NOTE: Hazard settings also apply to Hazard Advisor.

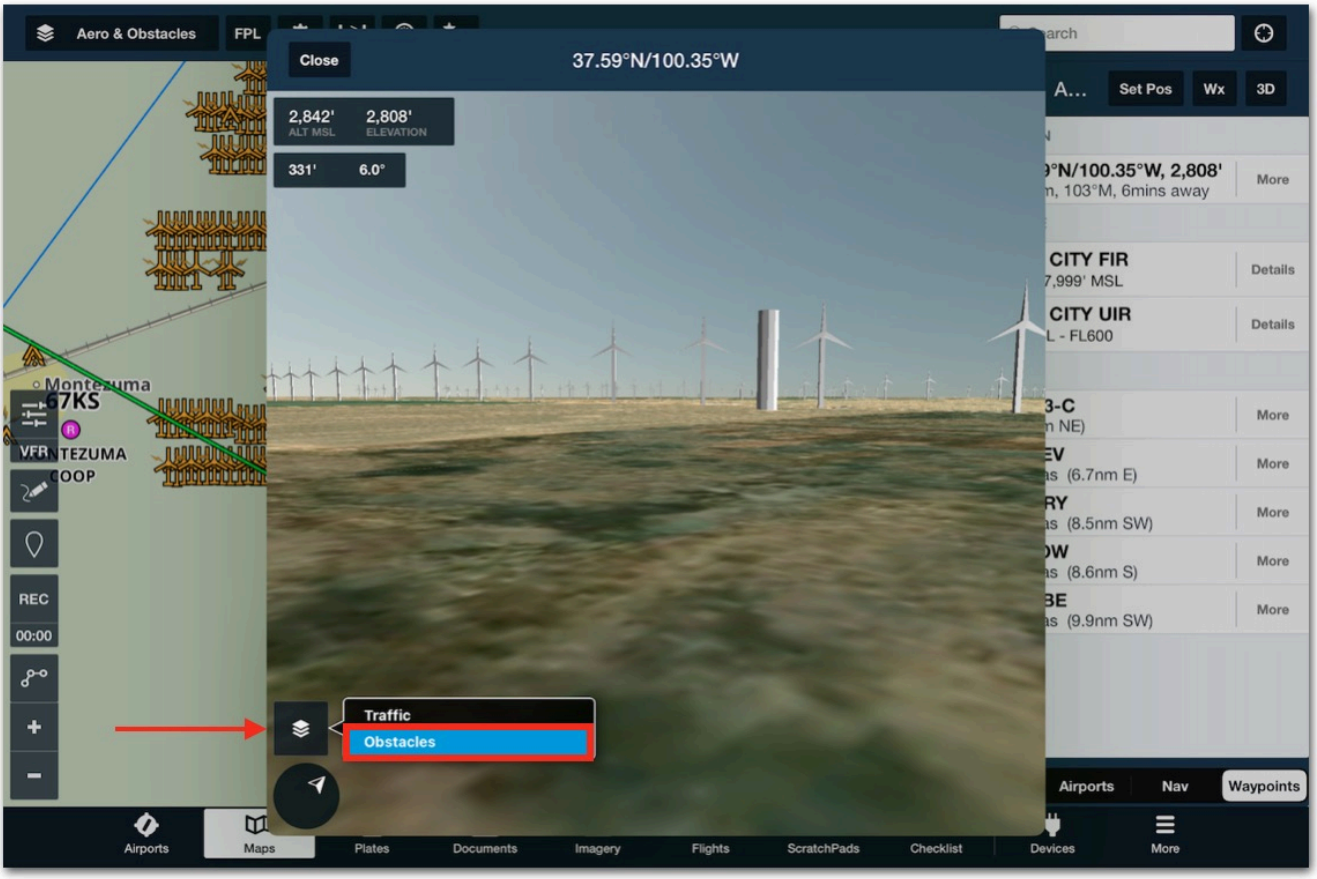
17.2.2 DOD Obstacles in 3D

When the DVOF file is installed, DOD obstacles can be viewed in the 3D Preview to enhance situational awareness.

To view obstacles in 3D Preview:

1. Tap and hold on the Map at the location of interest. A slide-over panel will appear.
2. Tap the **3D** button to enter the 3D Preview.

3. Tap the **3D Map Layer** buttons.
4. Tap **Obstacles**.



NOTE: Obstacles in 3D cannot be filtered by height. All available obstacles appear.

17.2.3 DOD Obstacles in Profile View

DOD obstacles appear in the Profile View when the DVOF file is installed.

Hazard settings can be configured from the Profile View. Tap the **Profile Settings** button in the upper-right corner of the Profile View to access these options.



Figure 17-4. DOD Obstacles in Profile View

17.3 Filtering Obstacles

The Obstacles (DOD) map layer can be filtered by height. By default, obstacles below 150 ft above ground level (AGL) are filtered from view.

When a filtering option other than **All Above 20 ft AGL** is selected, a **Hiding Obstacles Below [Altitude]** banner appears in the lower-right corner of the Map. To change the filtering height, tap the banner and select a new value.

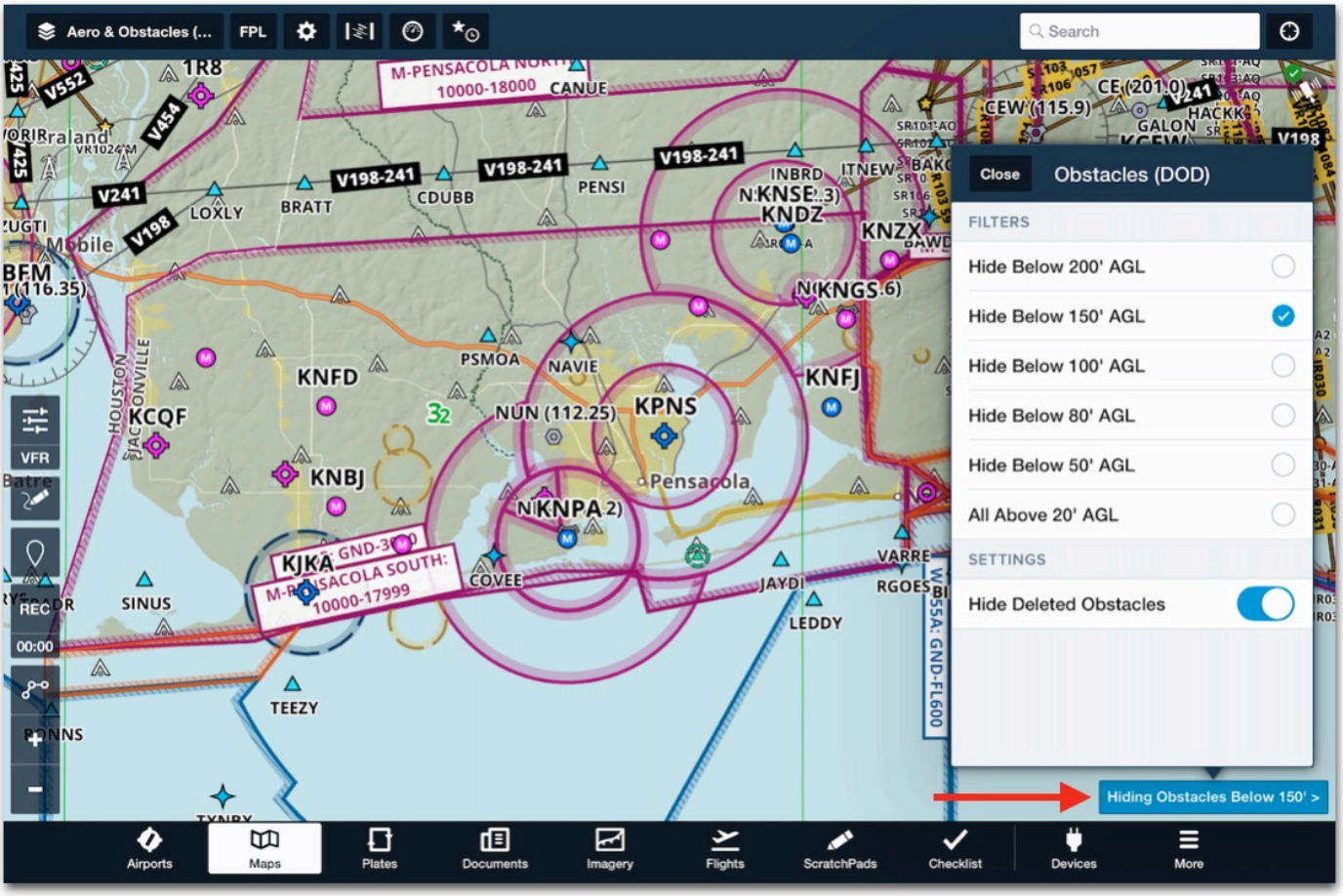


Figure 17-5. Hiding Obstacles Banner and Filters

When the **All Above 20' AGL** filter is applied, the **Hiding Obstacles Below** label is removed since no obstacles are being hidden. In this case, the filtering height can only be adjusted by completing the following steps:

1. Verify that the **Obstacles (DOD)** map layer is selected in the Layers menu.
2. Tap the **Settings** button (gear) icon in the upper toolbar to open the Map Settings menu.

3 Scroll down and select **Obstacles (DOD)**.

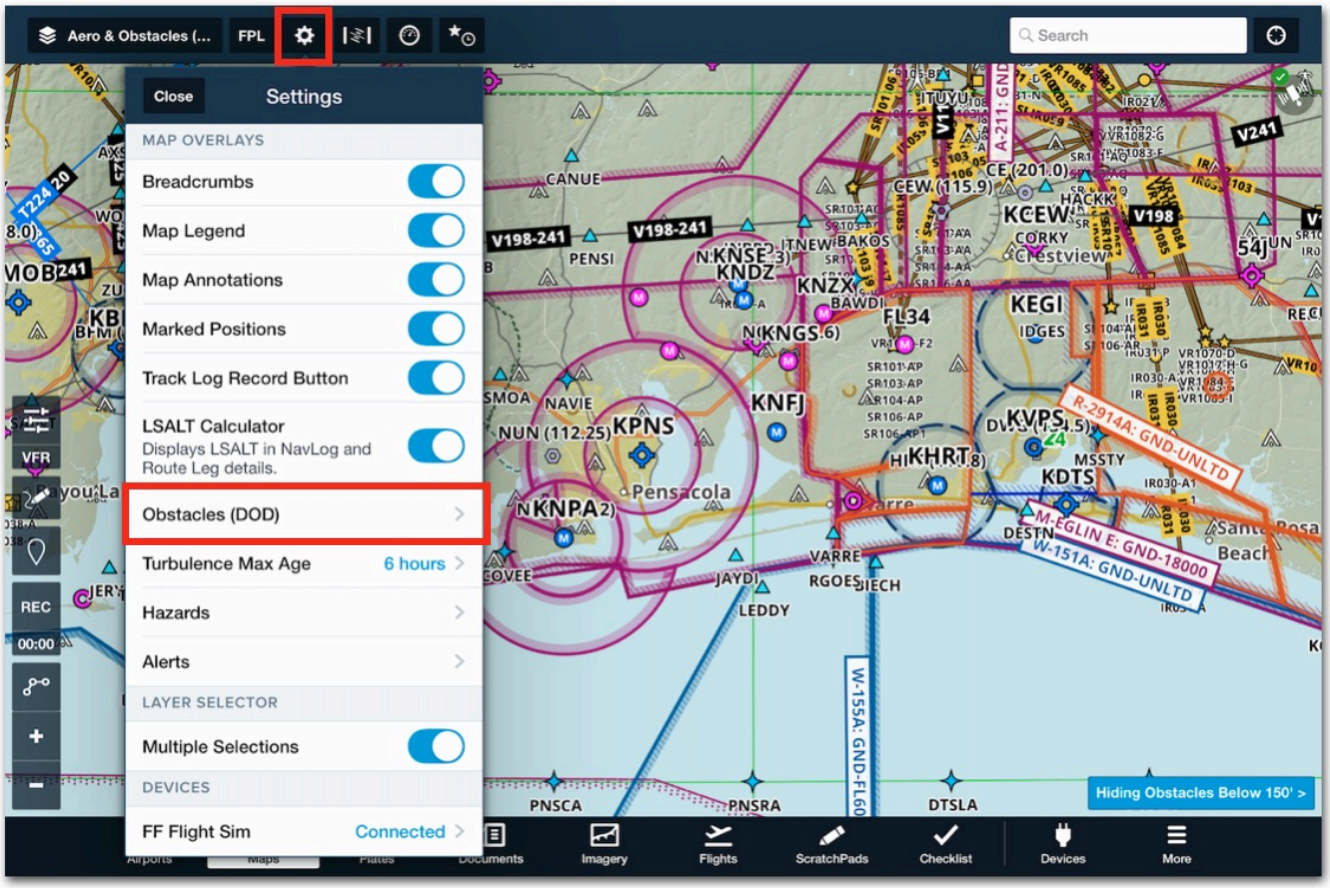


Figure 17-6. Obstacles (DOD) Option in Map Settings

4. Choose a new filtering option from the list.

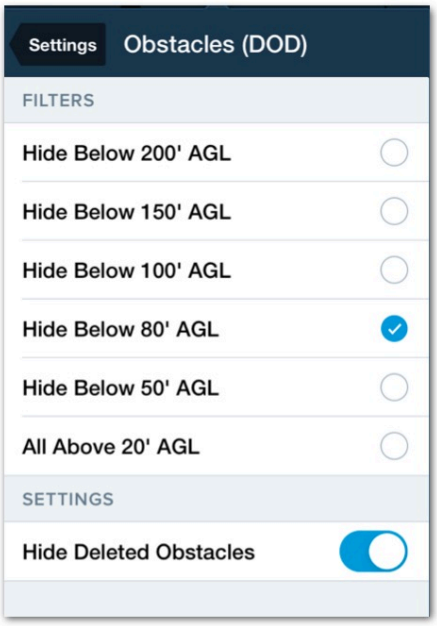


Figure 17-7. Obstacle Filter Menu

17.3.1 Show Deleted Obstacles

Deleted obstacles refer to features that remain depicted on military charts, such as JOG, TPC, ONC, and RANGE charts, even after physical removal.

By default, deleted obstacles are hidden from the Obstacles (DOD) map layer. To display deleted obstacles:

1. On the Maps view, tap the **Settings** button (looks like a gear) in the upper toolbar to open the Map Settings menu.
2. Scroll down and select **Obstacles (DOD)**.

3 Disable the **Hide Deleted Obstacles** setting in the Obstacle Filter menu.

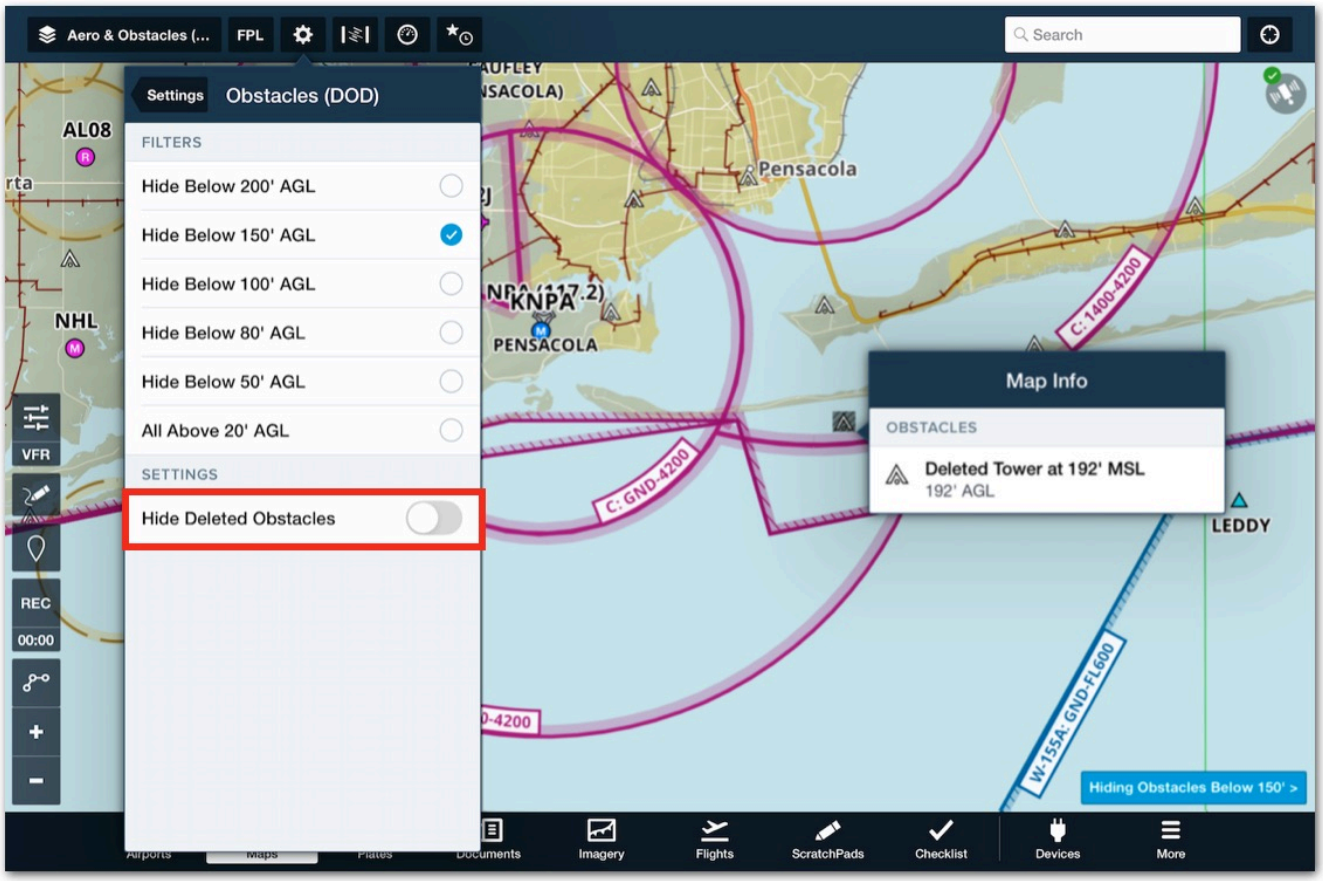


Figure 17-8. Hide Deleted Obstacles Disabled

When this setting is disabled, deleted obstacles appear on the Map with a square, dark-hatched background. Tapping a deleted obstacle reveals a "Deleted" label.

AVIAN HAZARD FORECASTS

Avian hazard forecasts, or forecast bird activity, are available in ForeFlight Military Flight Bag for preflight planning. This feature is available with an MFB One subscription.

Forecasts are provided by the United States Air Force's Avian Hazard Advisory Service (AHAS) and require either an active internet connection or packed data for offline use.

> **WARNING:** Avian hazard forecasts can reduce but not eliminate the risk of bird strikes.

18.1 Avian Hazard Advisory Service (AHAS)

AHAS predicts bird activity within the contiguous United States and Alaska. More information is available at www.usahas.com.

AHAS forecasts are generated using three models:

- NEXRAD-based observational model
- Soaring bird forecast model (SOAR)
- Bird avoidance model.

18.1.1 NEXRAD-based Observational Model

The NEXRAD model filters radar returns to exclude non-biological targets. Risk is calculated by multiplying the radar reflectivity of suspected birds detected (measured in dBZ from 0 to 300) by the probability of birds (0 to 100). Risk levels:

- **Low**: 0-200
- **Moderate**: 201-4000
- **Severe**: 4001 and above.

NEXRAD data updates every 10 minutes and only covers the current forecast period.

18.1.2 SOAR Model

SOAR predicts the hourly risk of encountering large soaring birds using:

- **Weather conditions** (e.g., thermals, wind, cloud cover)
- **Time of day** (more activity in the morning and late afternoon)
- **Historical data** (e.g., past strike frequency)
- **Geographic factors** (e.g., terrain, bodies of water).

18.1.2.1 SOAR Risk Levels

The SOAR model categorizes the risk of soaring bird encounters into three levels:

- **Low risk**: Low probability of encountering soaring birds.
- **Moderate risk**: Moderate probability of encountering soaring birds.
- **Severe risk**: High probability; extra caution is advised.

18.1.2.2 SOAR Max Height

When SOAR produces the highest risk, the Max Height field indicates the maximum expected altitude of bird activity.

18.1.3 Bird Avoidance Model (BAM)

BAM combines bird habitat, migration, and breeding patterns with geographic and environmental data to assess hazards.

Key datasets include:

- Audubon Society's Christmas Bird Count (CBC)
- US Biological Survey's Breeding Bird Survey (BBS)
- Bird refuge arrival/departure data (conterminous US)
- Species-specific data.

18.1.3.1 BAM Risk Levels

BAM risk levels are based on bird mass (in ounces per square kilometer). Risk levels are: Low, Moderate, and Severe.

18.2 Accessing AHAS in ForeFlight Mobile

Avian forecasts are linked to airports only. They can be viewed from the Airports and Maps views.

18.2.1 Viewing AHAS from the Airports View

To view an AHAS forecast in the Airports view:

1. Bring up an airport of interest.
2. Tap the **AHAS** (bird silhouette) button in the summary.

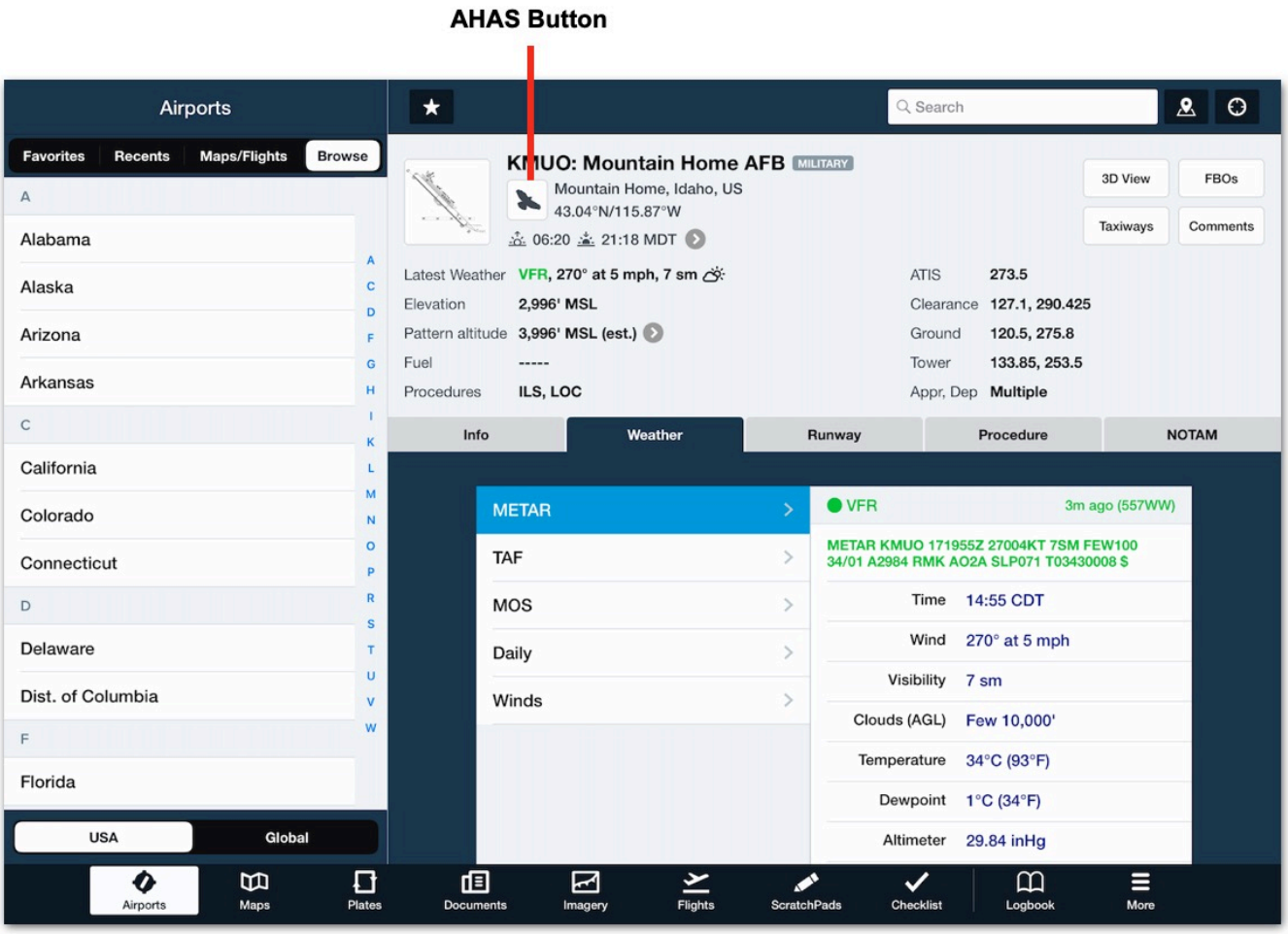


Figure 18-1. AHAS on Airports View

18.2.2 Viewing AHAS from the Maps View

To view an AHAS forecast in the Maps view:

1. Tap an airport.
2. Tap the **AHAS** (bird silhouette) button in the sidebar.

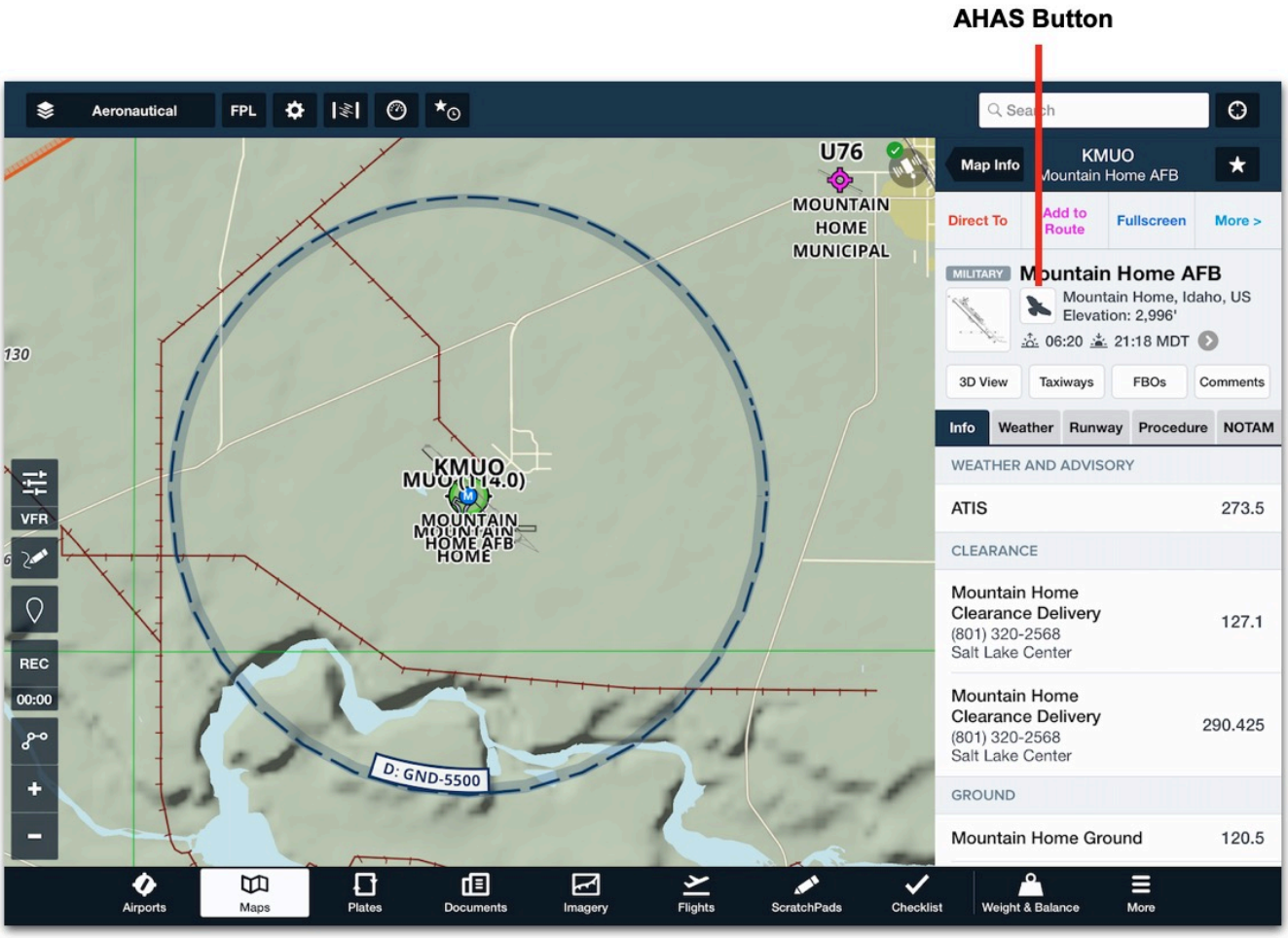


Figure 18-2. AHAS on Maps View

18.2.3 AHAS and Terrain Button

The **AHAS** button only appears when forecast data is downloaded or accessible online. A **Terrain** icon appears when elevation within 10 nm of the airport varies more than ±1,500 ft. If both avian and terrain data exist, a combined **AHAS + Terrain** button appears. Tap the button to view both datasets.

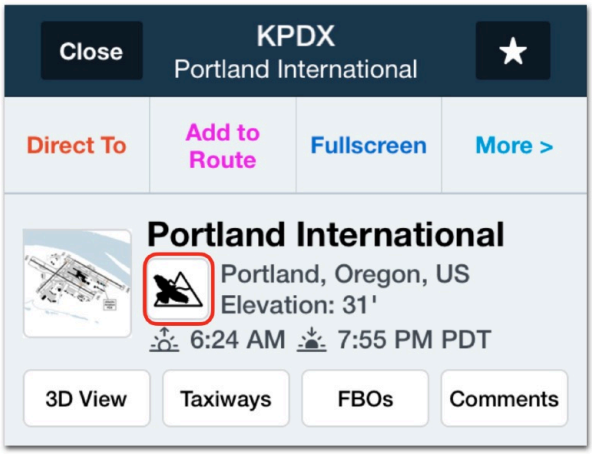


Figure 18-3. AHAS + Terrain Button

After tapping the **AHAS + Terrain** button, **Terrain** and **AHAS** buttons are presented. Use these buttons to toggle between the respective data views.

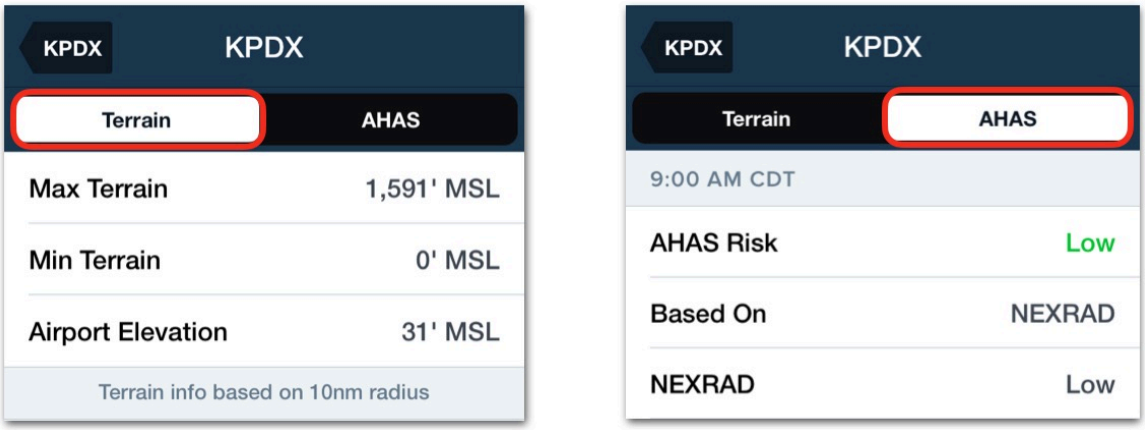


Figure 18-4. Terrain Data (Left), AHAS Data (Right)

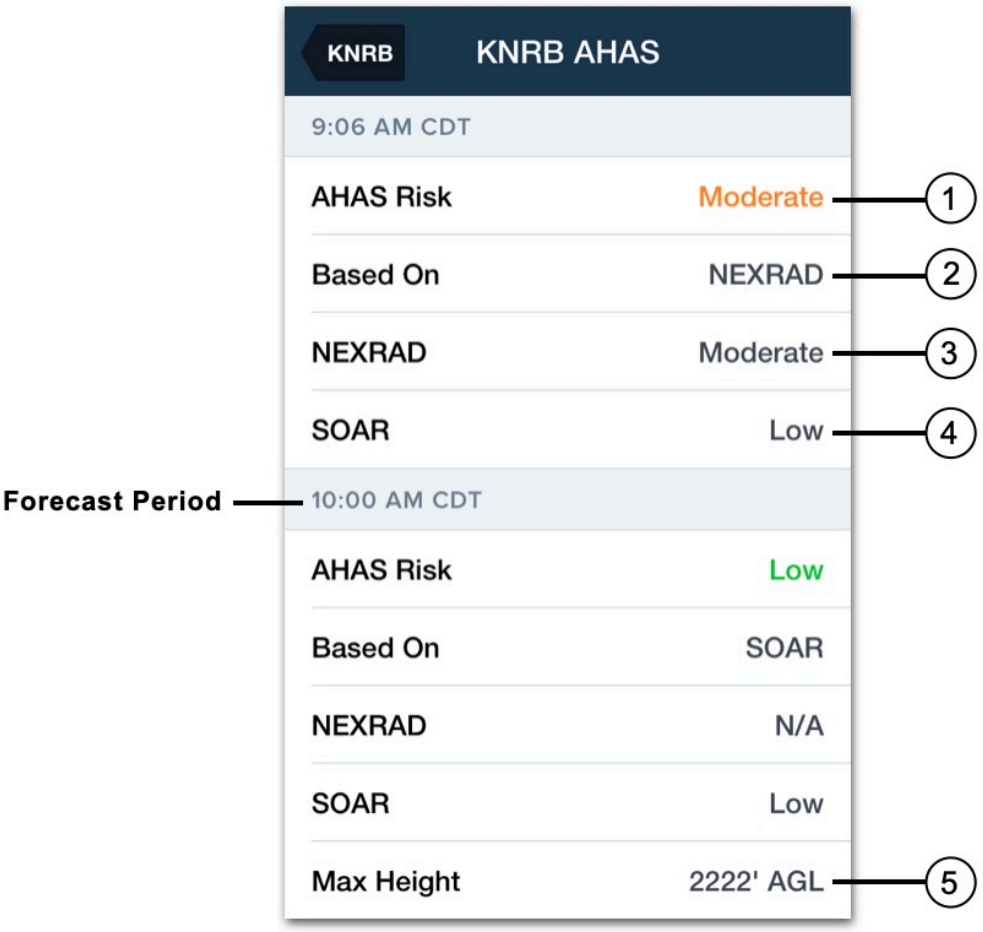
18.3 Reading the Avian Forecast

Up to twelve hourly avian risk forecasts are available. The start time of each forecast period is displayed above its corresponding data.

Each hourly forecast includes the following information:

1. **AHAS Risk:** The highest risk level from the NEXRAD, SOAR, or BAM models.
2. **Based On:** The model generating the highest risk for that hour.
3. **NEXRAD:** Risk level from radar analysis (limited to current hour).
4. **SOAR:** Risk from soaring bird activity.
5. **Max Height:** Displayed only if SOAR is the highest risk. Shows the maximum altitude where soaring birds may be present.

Scroll the forecast window to view all available hourly data.



EN ROUTE FUEL ADJUSTMENTS

En route fuel adjustments are available with an MFB One subscription and support planning for aerial refueling and defueling operations within ForeFlight Military Flight Bag. This feature assists in accurate fuel and performance planning.

Fuel adjustments are calculated as instantaneous onloads or offloads and can be applied to any point along a route. When using an Aerial Refueling Track, the adjustment is applied at the track's anchor point.

Multiple adjustments may be added per flight using the Flight Plan Editor or the Sidebar. Adjustments created on the Maps view carry over to the Flights view and remain editable there.

19.1 En Route Fuel Adjustments Limitations

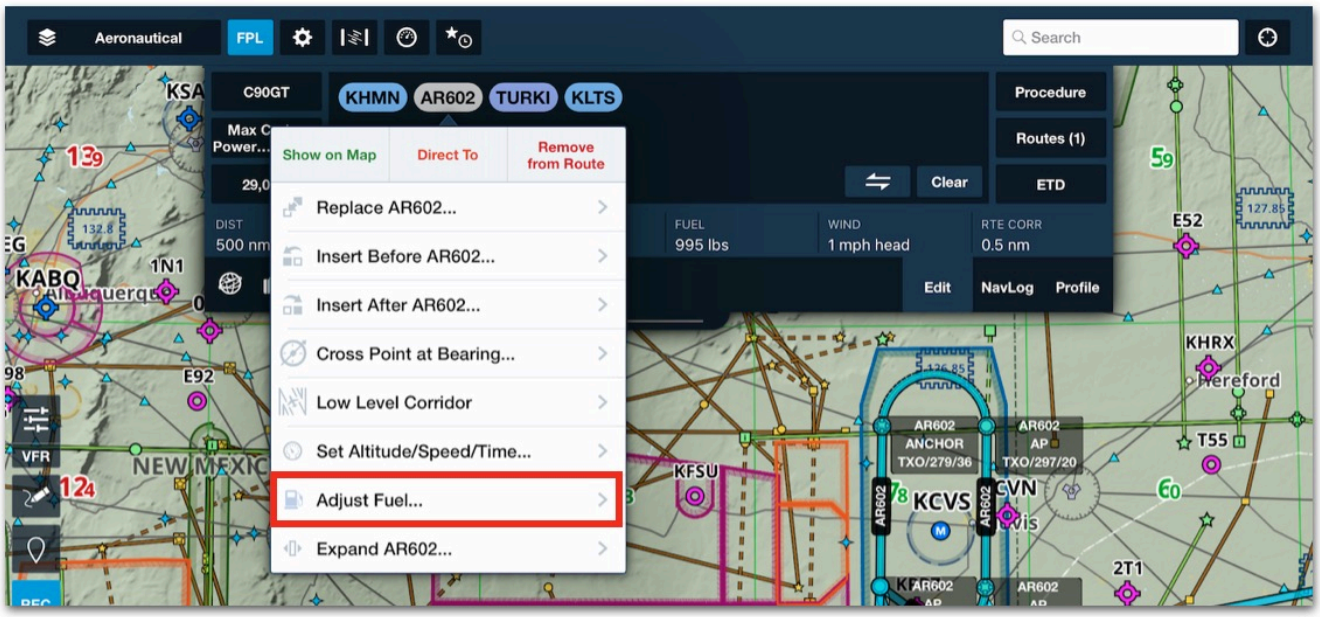
The following limitations to En Route Fuel Adjustments apply:

- An aircraft profile configured for Jet-A fuel is required.
- Fuel adjustments are not supported at airports, on airways, or within terminal arrival or departure procedures.

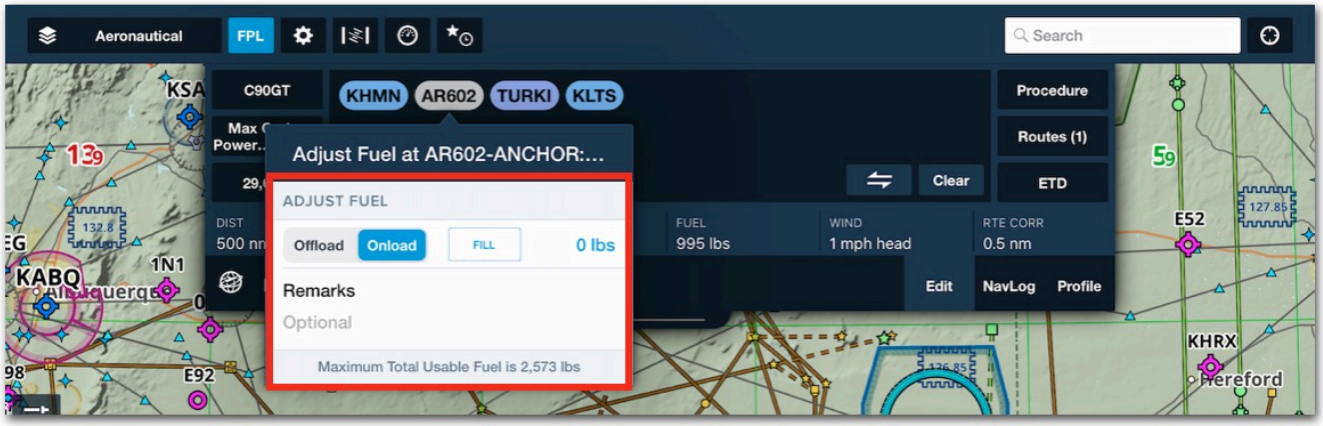
19.2 Fuel Adjustments Using the FPL Editor

To change en route fuel amounts using the FPL Editor:

1. Open the **Maps** view.
2. Plan a route.
3. Tap a route element in the FPL Editor where the change will occur.
4. Select **Adjust Fuel...**.



5. Tap **Offload** or **Onload** as required.



6. Enter the fuel amount and optional Remarks.

19.2.1 Fuel Amounts and Remarks in FPL Viewer

Fuel offload and onload quantities and related remarks can be specified during flight planning to reflect operational needs and support filing accuracy.

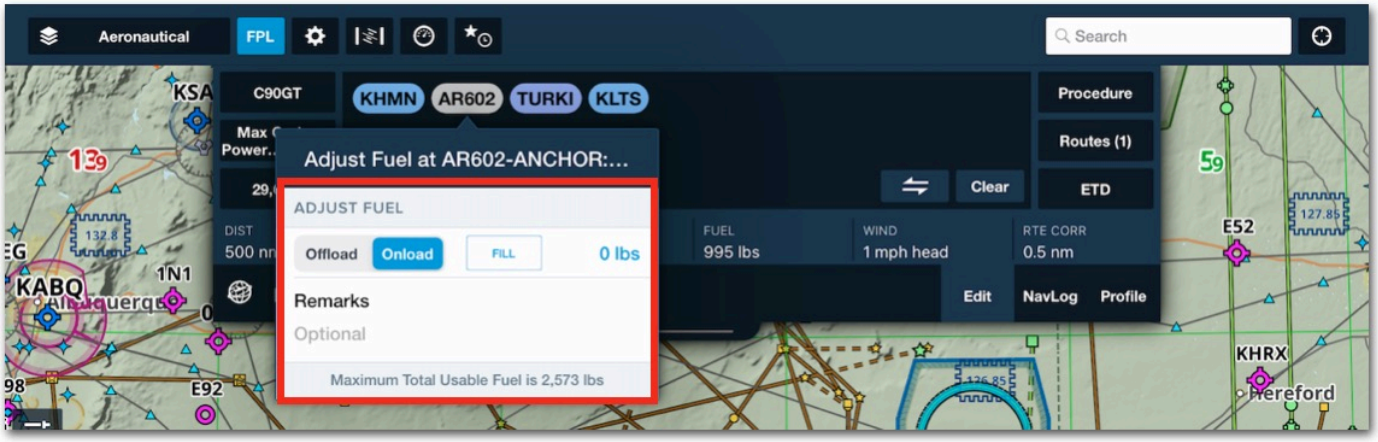


Figure 19-1. Adjust Fuel menu in the FPL Viewer

When selecting **Onload** fuel:

- Tapping **Fill** sets the fuel amount to the aircraft's maximum capacity, assuming the tank is full at departure.
- The maximum fuel capacity is shown at the bottom of the fuel input menu.
- Fuel units (e.g., pounds, gallons) are determined by the aircraft profile settings.

When entering Remarks :

- Remarks are included in the Other Information section of the flight plan filing form.

19.3 Fuel Adjustments Using the Sidebar

To change en route fuel amounts using the sidebar:

1. Select the **Maps** view.
2. Plan a route.
3. Tap a route element on the map.

   A sidebar will appear.
4. In the sidebar, tap **More** ➔ **Adjust Fuel...**.
5. Tap **Offload** or **Onload** as needed.
6. Enter the fuel amount and optional Remarks.

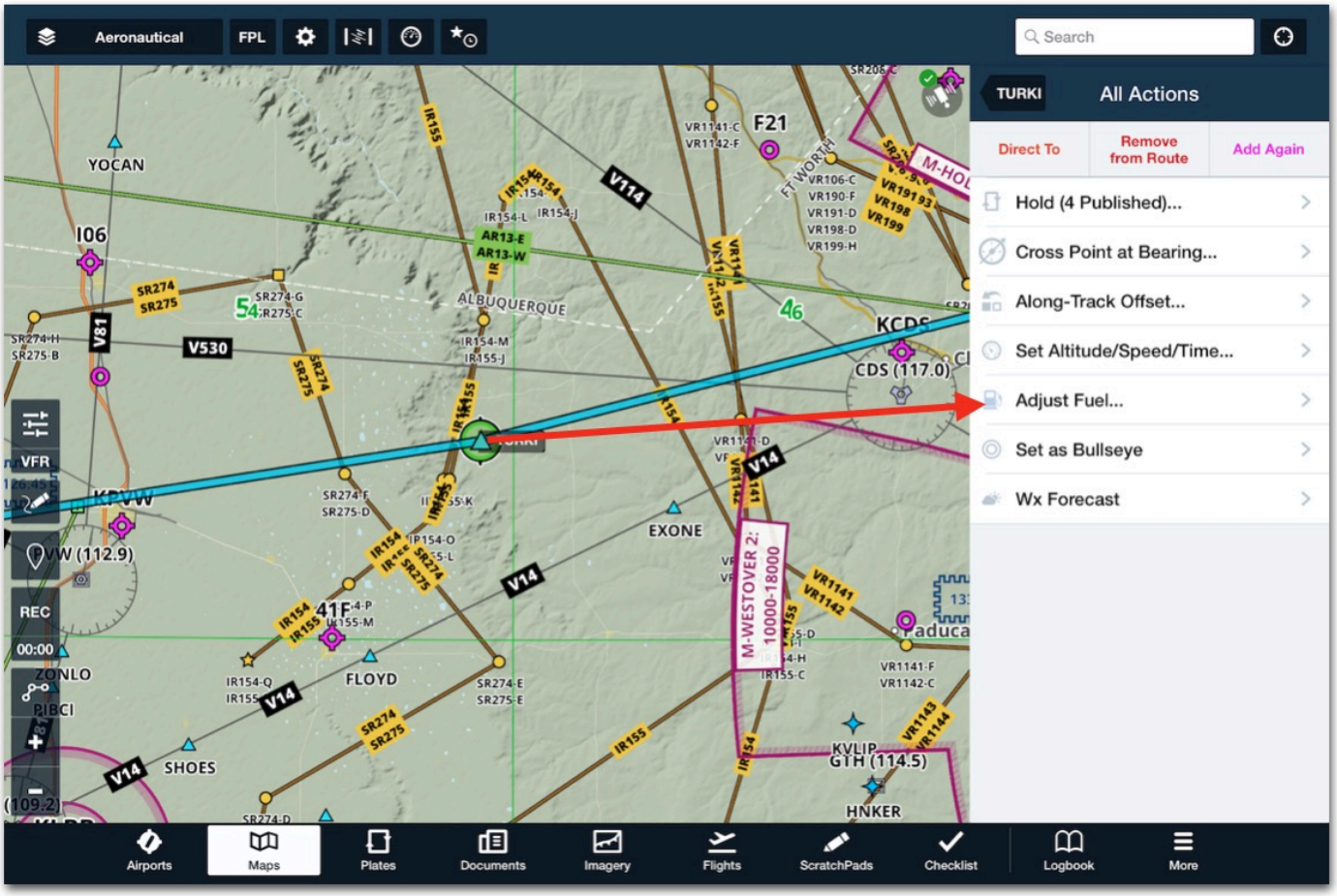


Figure 19-2. Adjust Fuel option in the sidebar

19.3.1 Fuel Amounts and Remarks in Sidebar

Fuel offload and onload quantities and related remarks can be specified during flight planning to reflect operational needs and support filing accuracy.

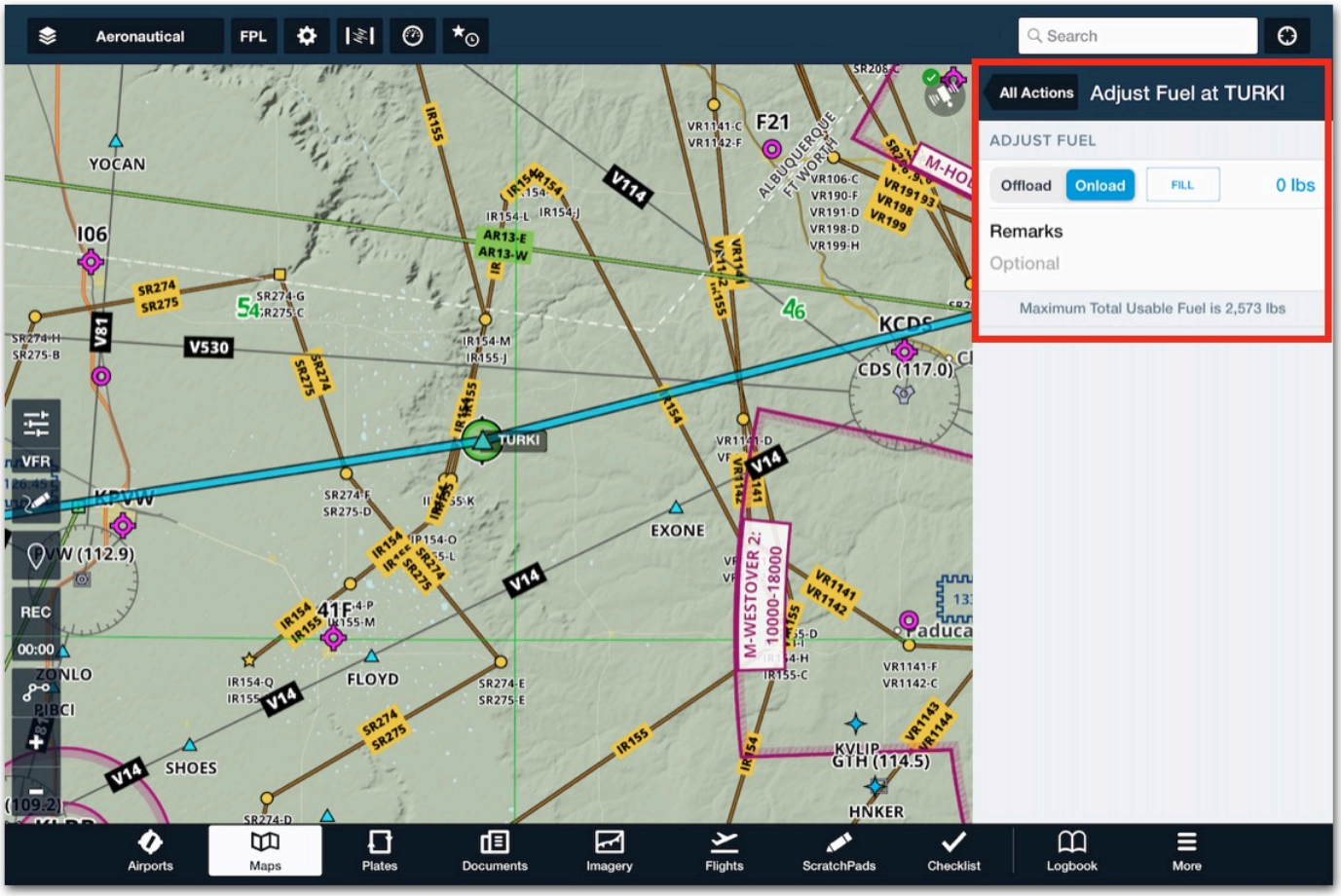


Figure 19-3. Adjust Fuel menu in the sidebar

When selecting **Onload** fuel:

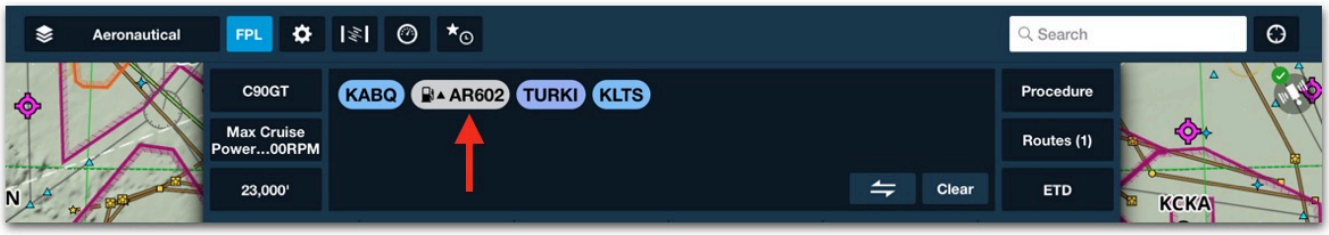
- Tapping **Fill** sets the fuel amount to the aircraft's maximum capacity, assuming the tank is full at departure.
- The maximum fuel capacity is shown at the bottom of the fuel input menu.
- Fuel units (e.g., pounds, gallons) are determined by the aircraft profile settings.

When entering Remarks, remarks are included in the Other Information section of the flight plan filing form.

19.4 Fuel Adjustment Labels

When a fuel adjustment is applied, it appears in the following locations:

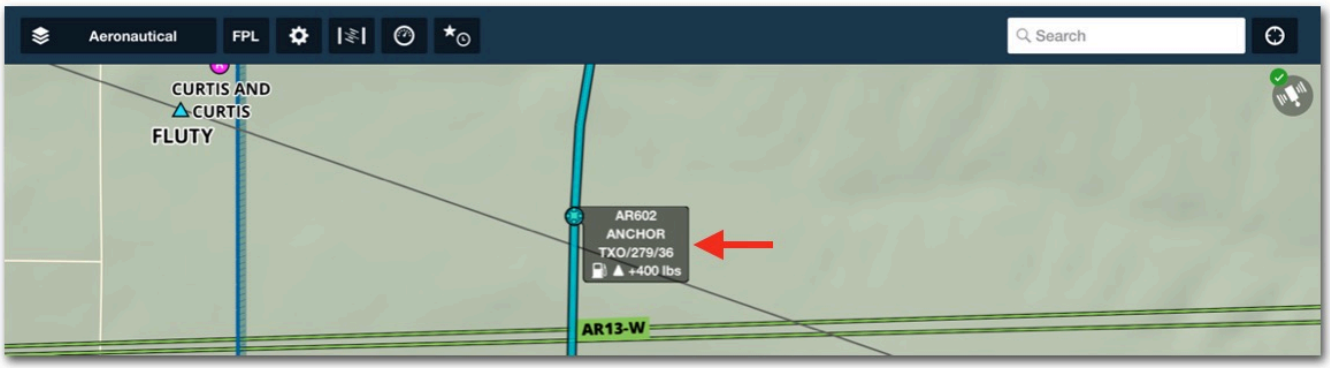
- **Flight Plan Editor**: The route element shows a fuel pump icon with an up arrow for onload or a down arrow for offload.



- **Flight Plan NavLog**: A new row is added, including the icon, arrow, and fuel quantity (positive or negative).



- **Map View**: A label displays next to the route element, indicating the location, the fuel pump icon, arrow, and fuel quantity (positive or negative).



19.5 Removing Fuel Adjustments

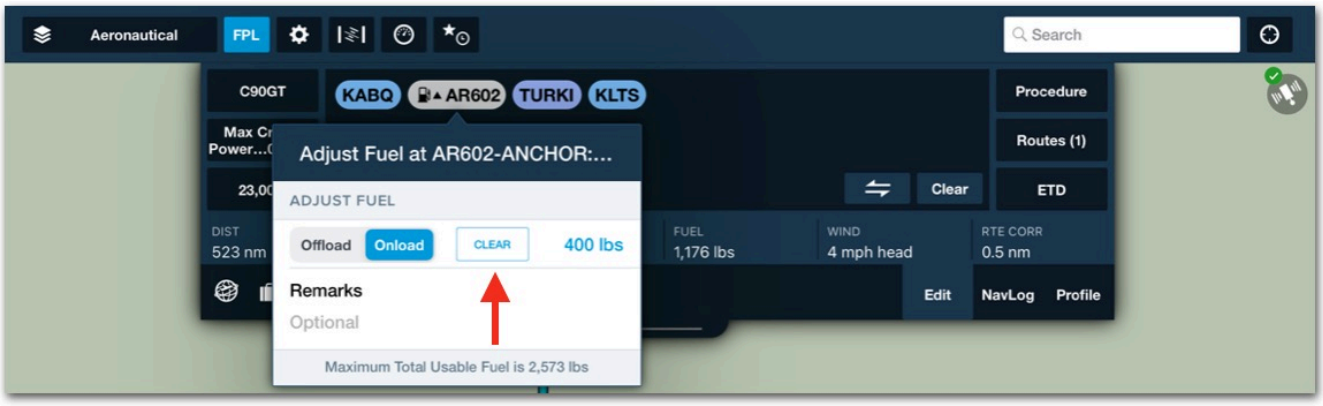
Fuel adjustments can be removed from the Flight Plan Editor, NavLog, or sidebar.

> **IMPORTANT:** Removing a fuel adjustment does not automatically remove the associated remarks. Remarks must be manually deleted if they are not intended for inclusion in the flight plan filing form.

19.5.1 Removing Fuel Adjustments Using the FPL Editor

To remove a fuel adjustment from the FPL Editor:

1. Open the FPL Editor (**FPL**).
2. Select **Edit**.
3. Tap the route element with the adjustment.
4. Tap **Adjust Fuel...**
5. Tap **Clear**.



19.5.2 Removing Fuel Adjustments Using the FPL Navlog

To remove a fuel adjustment from the FPL NavLog:

1. Open the FPL Editor (**FPL**).
2. Select **NavLog**.

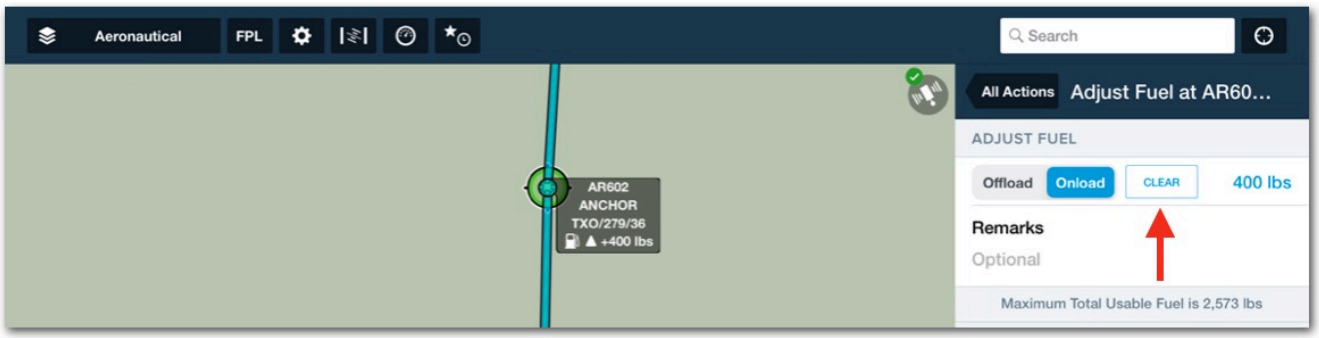
3. Tap the **fuel pump** icon.
4. Tap **Adjust Fuel at [waypoint]**.
5. Tap **Clear**.



19.5.3 Removing Fuel Adjustments Using the Sidebar

To remove a fuel adjustment from the sidebar:

1. Open the **Maps** view.
2. Tap the adjusted route element on the map.
3. Tap **More → Adjust Fuel...**.
4. Tap **Clear**.



GRAPHICAL ENGINE OUT PROCEDURES

ForeFlight Military Flight Bag users with access to Graphical Engine Out Procedures (EOPs) can download and display these plates in the Airports, Plates, and Binders views.

To download Graphical EOPs:

1. Tap **More ➔ Settings ➔ Data Settings**.
2. Enable **Graphical EOPs**.

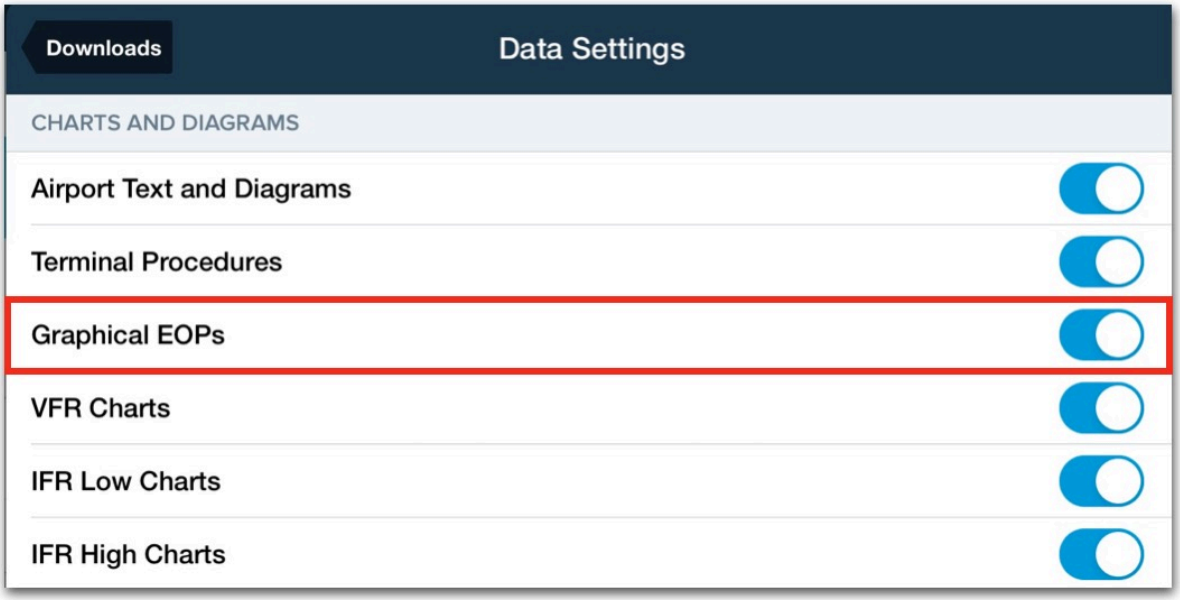


Figure 20-1. Data Settings

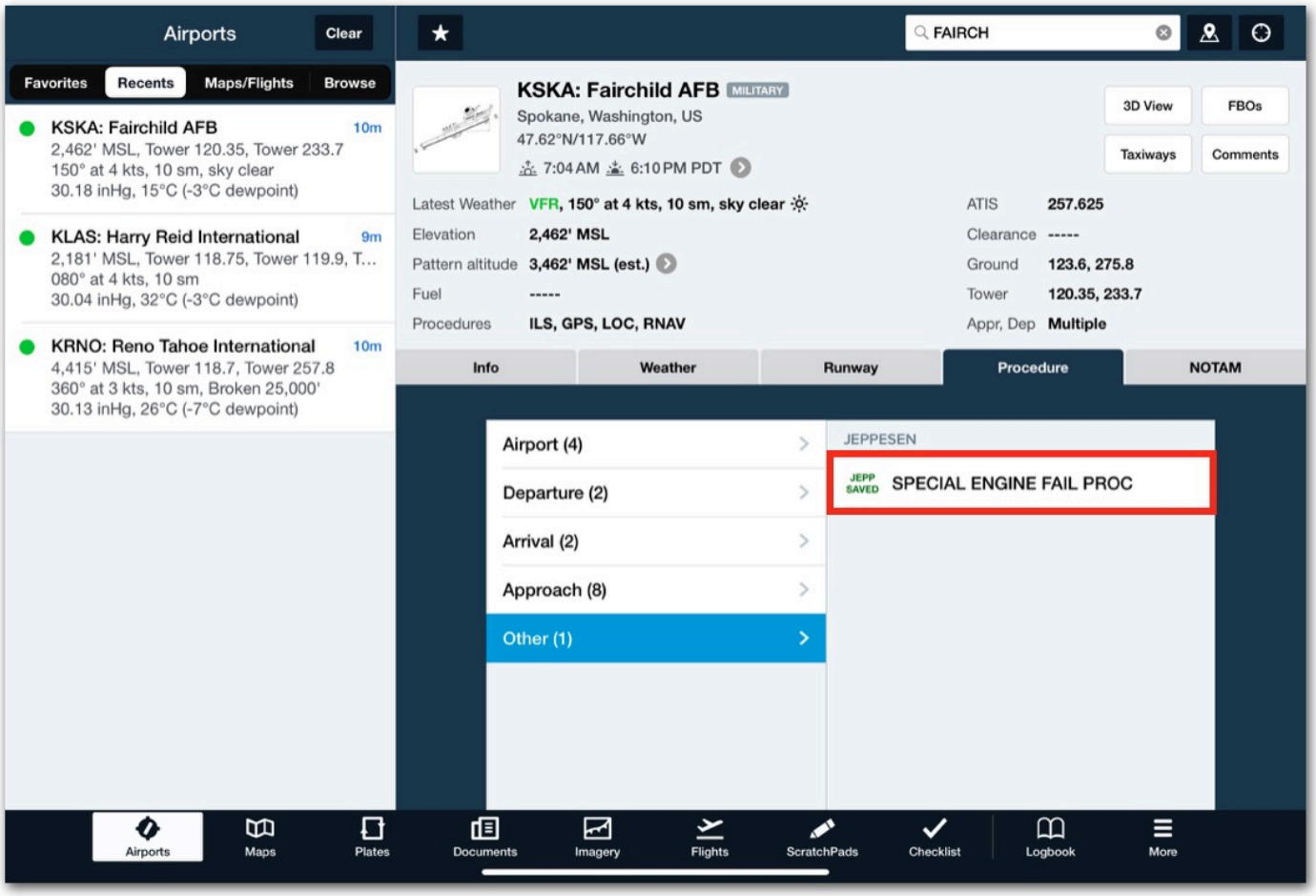


Figure 20-2. EOP In Airport Tab

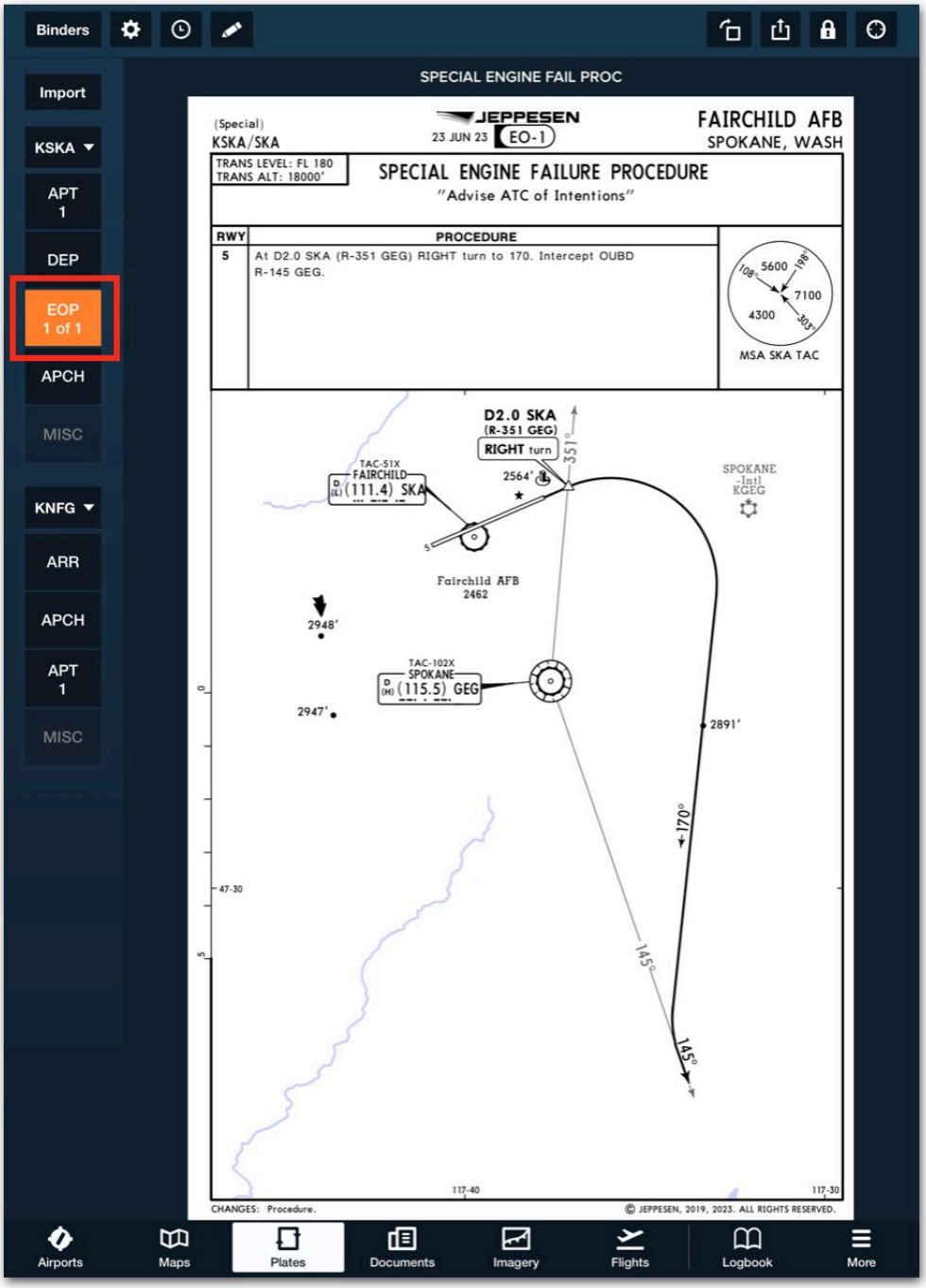


Figure 20-3. EOP In Plates View

DISABLING TFR OR SFRA/FRZ ALERTS

ForeFlight Military Flight Bag users can disable alerts for Temporary Flight Restrictions (TFRs) and the Washington, D.C. Special Flight Rules Area (SFRA) and Flight Restricted Zone (FRZ).

21.1 Disabling TFR Alerts

To disable TFR alerts:

1. Tap **More → Settings → Alerts**.
2. Use the switch to disable **TFR Alerts**.

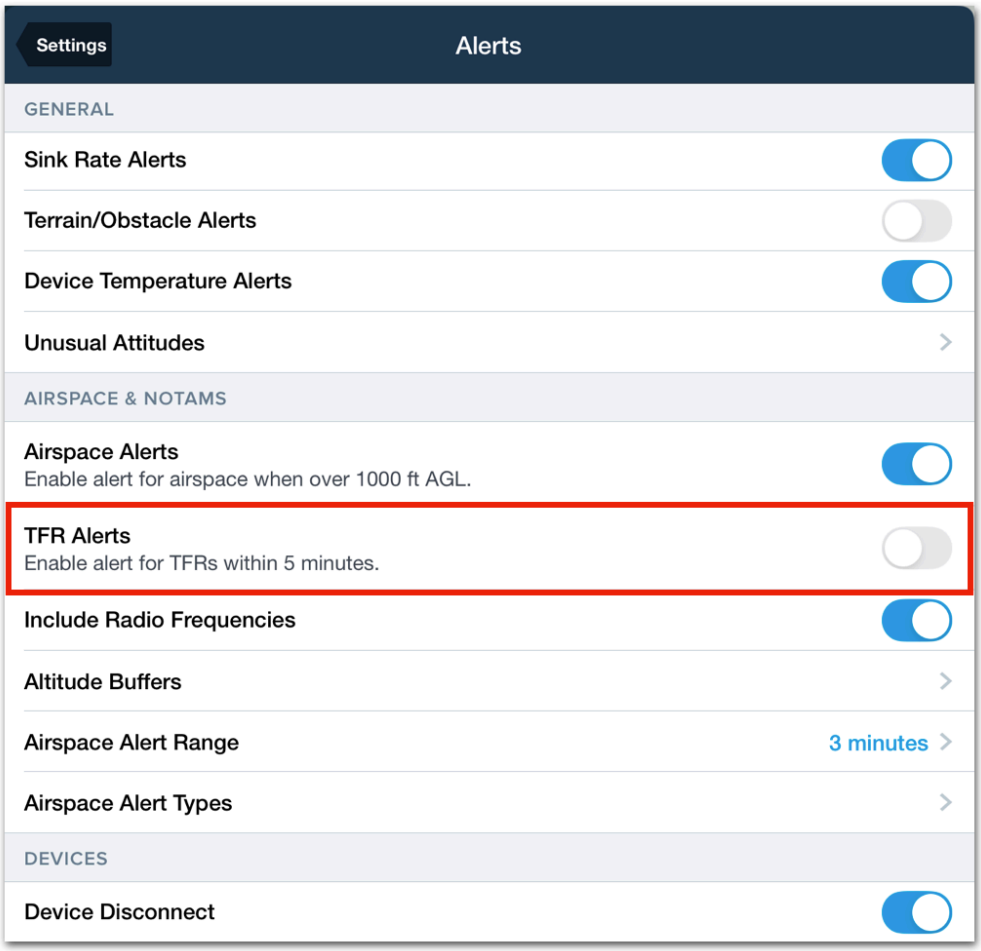


Figure 21-1. TFR Alerts Disabled

21.2 Disabling D.C. SFRA/FRZ alerts

To disable D.C. SFRA/FRZ alerts:

1. Tap **More ➔ Settings ➔ Alerts ➔ Airspace Alert Types**.
2. Deselect the **Include DC SFRA/FRZ** toggle.

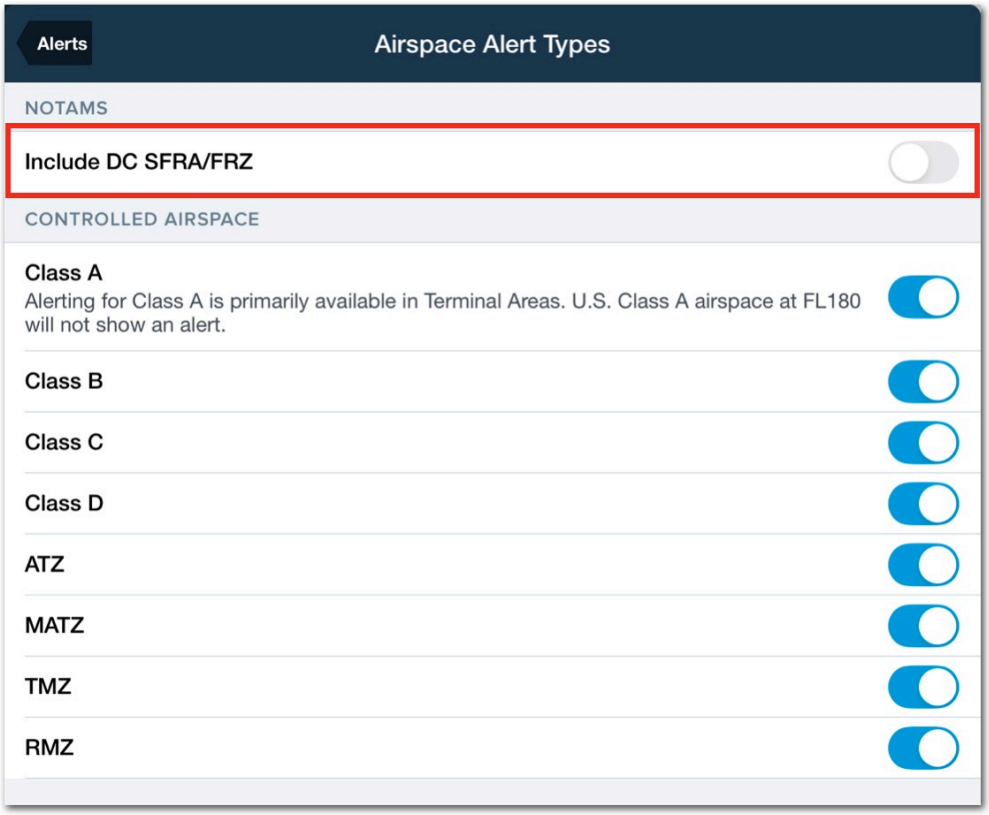


Figure 21-2. Include DC SFRA/FRZ Disabled

MFB SPECIFIC WEATHER

ForeFlight aggregates weather and NOTAMs data from a combination of government, commercial, and DOD providers to ensure redundancy and comprehensive coverage.

22.1 Primary Weather Sources

Primary weather data is sourced from the following providers:

- U.S. Aviation Weather Center ADDS (Aviation Digital Data Service)
- ICAO WIFS (World Area Forecast System Internet Filing Service)
- ICAO SADIS (Secure Aviation Data Information Service)
- U.S. Air Force 557th Weather Wing (available to U.S. DOD subscribers).

These sources supply core weather data used throughout ForeFlight Mobile.

22.2 Secondary Weather Sources

ForeFlight supplements primary data with additional commercial and international sources for enhanced reliability and coverage.

22.2.1 Secondary METAR and TAF Sources

Alternate sources for METARs and TAFs are:

- Jeppesen HWS
- The Weather Company
- Bristow (for Gulf of Mexico TAFs)

22.2.2 Secondary Imagery and Map Overlay Sources

Alternate sources for weather imagery and overlay data include:

- Digi-Wx
- Jeppesen HWS
- National Oceanic and Atmospheric Administration (NOAA)
- National Weather Service (NWS)
- Government of Canada
- Nav Canada
- Weather Decision Technologies
- The Weather Company

22.2.3 Specialized Weather Product Sources

Other specialized weather data products are sourced from:

- National Center for Atmospheric Research (NCAR): Historical winds aloft
- Belfort Instruments: SuperAWOS systems.

22.3 557WW Sourced METAR, TAF, ICING, and Turbulence

ForeFlight Military Flight Bag users can access official Department of Defense (DOD) weather data provided by the U.S. Air Force 557th Weather Wing. Weather data includes METARs, TAFs, turbulence, and icing forecasts.

22.3.1 METAR and TAF (557 WW)

METARs and TAFs sourced from the 557th Weather Wing are available on the Airports view under the **Weather** tab. The source is indicated by the "(557WW)" label next to the report timestamp.

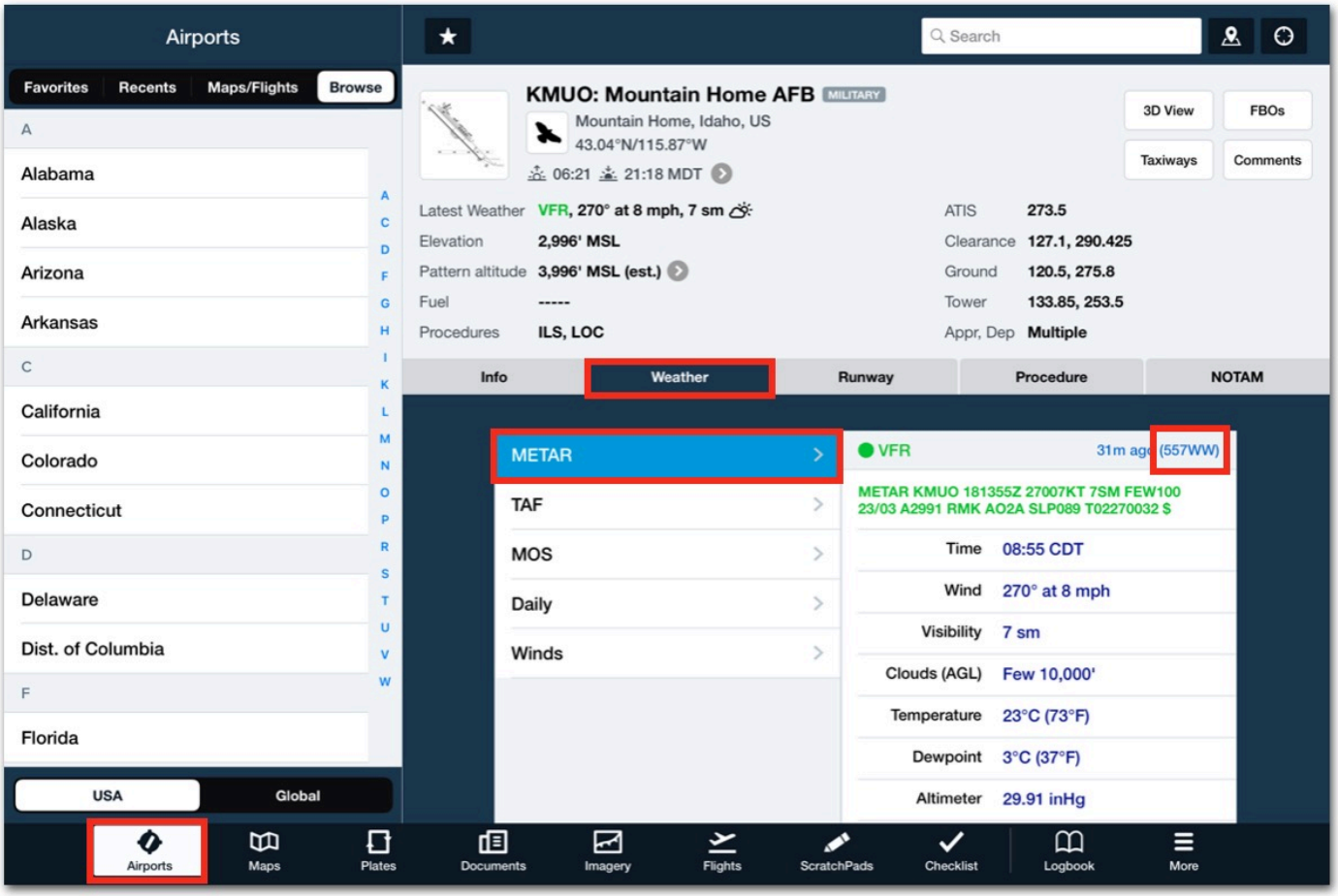


Figure 22-1. 557WW Sourced METAR

22.3.2 Icing and Turbulence on Map (557 WW)

ForeFlight Military Flight Bag MFB Performance subscribers can access global Icing and Turbulence map layers.

These layers can be enabled from the Maps view by using the Layer Selector menu.

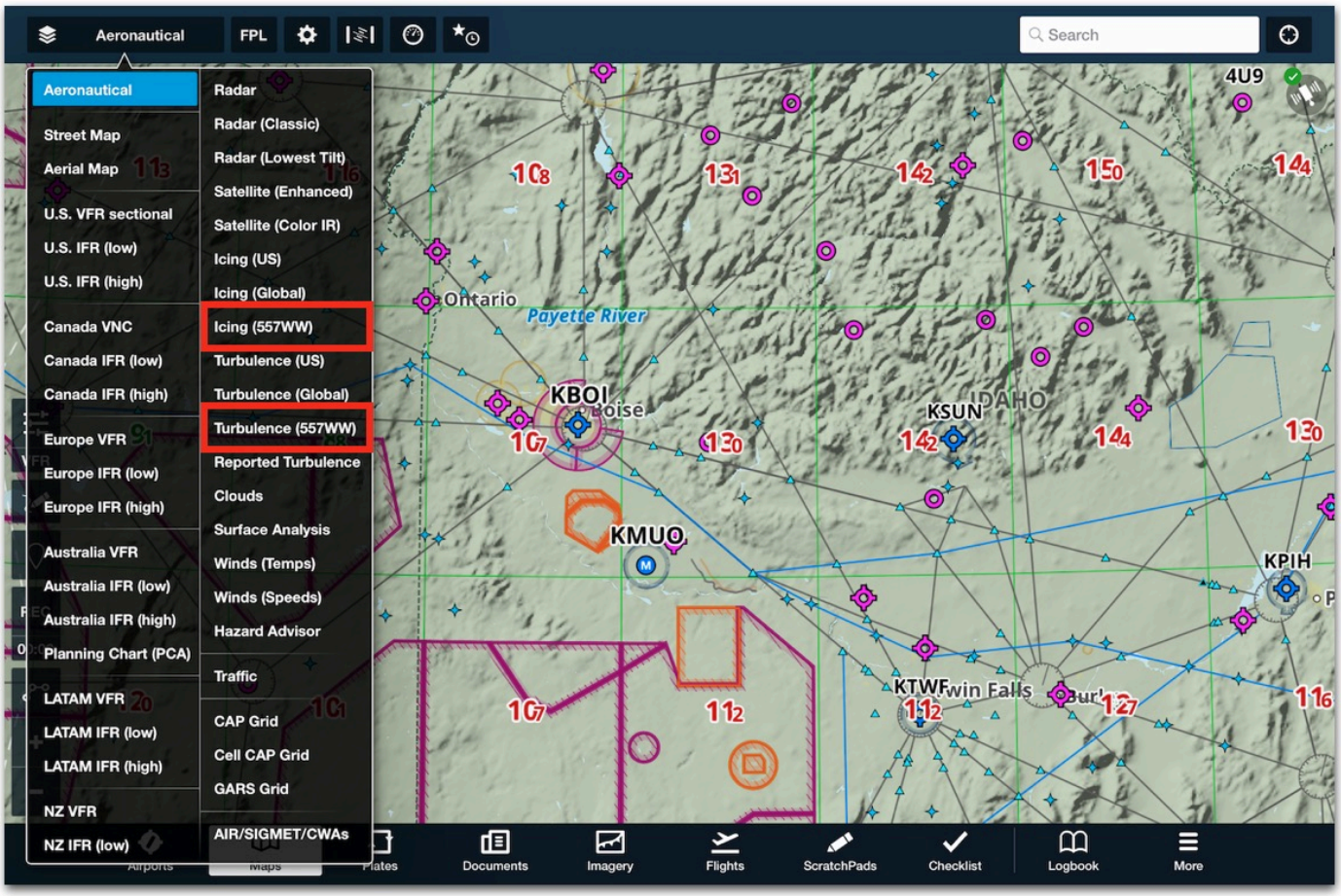


Figure 22-2. Icing and Turbulence Layers sourced from the 557WW

Data for both layers is automatically downloaded when using the Pack feature to pack for a flight.

DD-175-1 WEATHER BRIEFINGS

MFB One subscribers in U.S. military branches can request DD-175-1 Flight Weather Briefings within ForeFlight Military Flight Bag. These briefings are produced by the Bridging Environmental Intelligence For Responsive Operational Support Portal (BIFROST). DD-175-1 briefings are not generated automatically. They must be requested ahead of time so that a human briefer can compile them. Once requested, the briefing is completed and published to the Flights view.

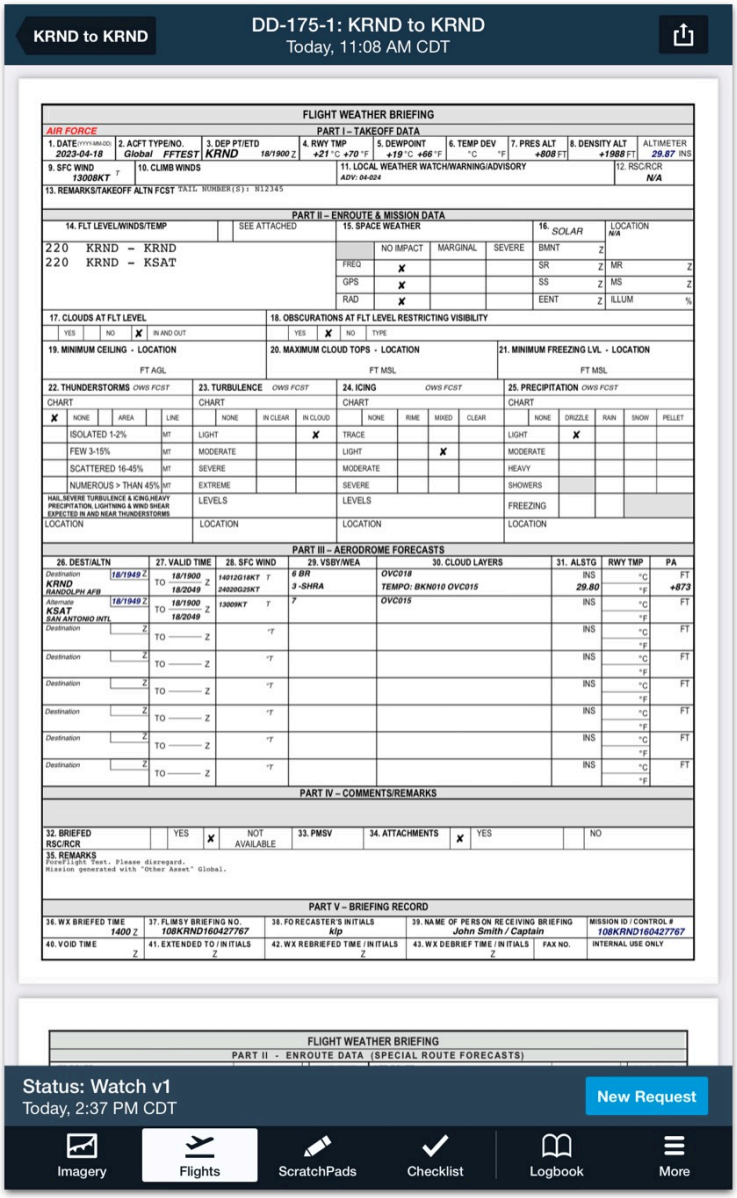


Figure 23-1. DD-175-1 Flight Weather Brief

23.1 Selecting the DD-175-1 Briefing Format

To enable the DD-175-1 briefing:

1. Navigate to **More → Settings → Briefing Format**.
2. Select **Air Force Weather (AFW-BIFROST)**.

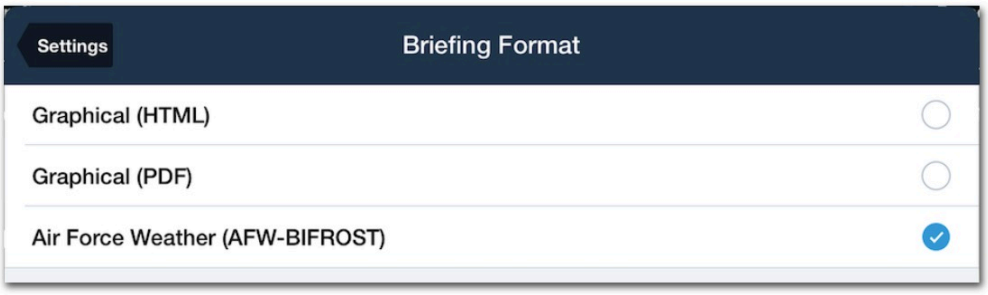
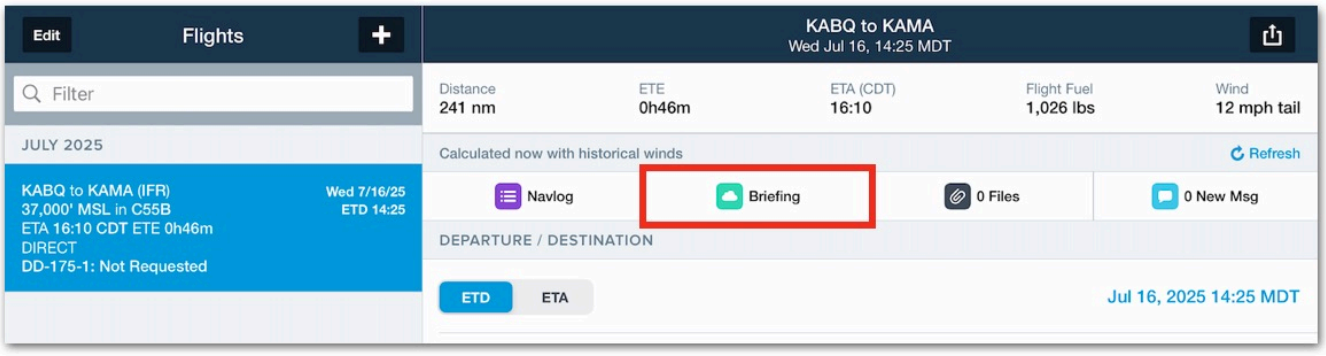


Figure 23-2. ForeFlight Mobile Briefing Formats

23.2 Requesting a DD-175-1 Briefing

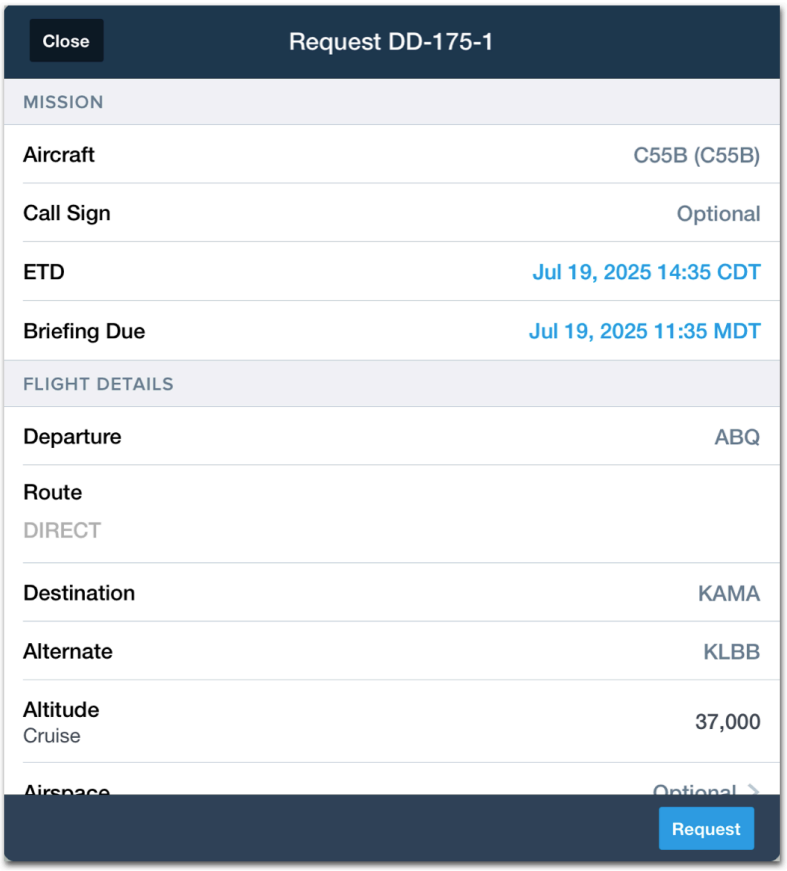
To request a DD-175-1 Flight Weather Briefing, follow the steps below:

1. Plan a route at least two hours in advance using the **Flights** view.
2. On the Flights view, tap the **Briefing** button.



A Request DD-175-1 form will appear.

3. Complete all required fields.



4. Tap **Request**.

A confirmation pop-up confirms successful transmission to BIFROST.

23.3 Request DD-175-1 Form Explained

The DD-175-1 briefing request menu allows pilots to request a weather briefing tailored to the planned flight. Most fields are automatically populated from the flight plan. Fields displayed in blue are editable within the request menu. Fields shown in gray, such as Aircraft, must be edited from the **Flights** view by tapping **Close** in the upper toolbar.

The briefing request menu is organized into five sections:

- Mission
- Flight Details
- Pilot
- Remarks
- Special Handling

The following sections describe each part of the request menu.

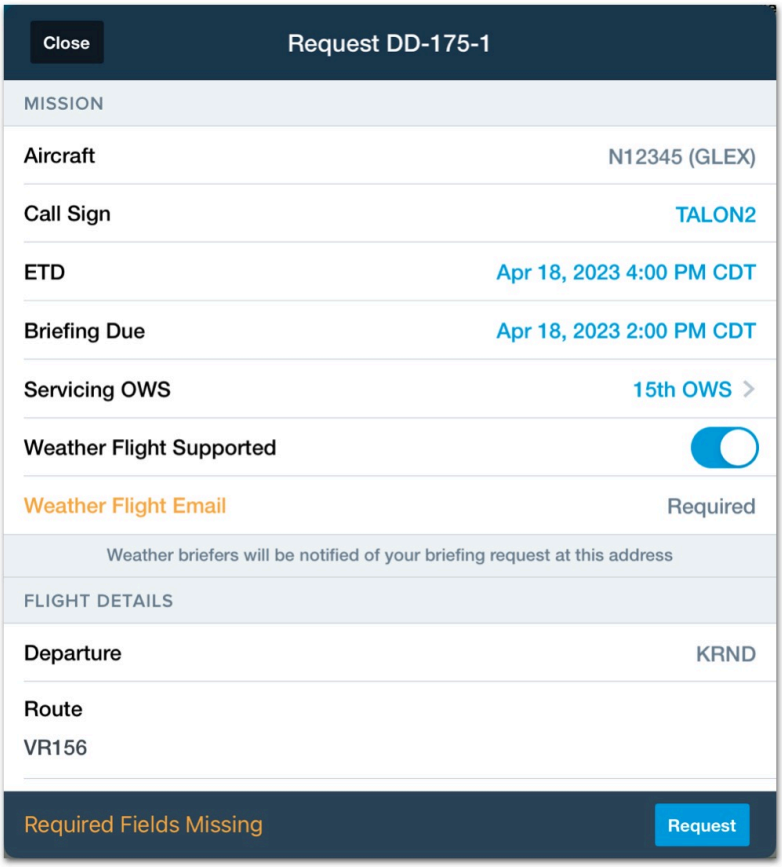


Figure 23-3. Briefing Request Menu

23.3.1 Mission Section

Fields within the Mission section:

Aircraft

The tail number and ICAO type code (in parentheses).

Call Sign

Optional, up to seven alphanumeric characters.

ETD

Estimated time of departure.

Briefing Due

The latest time the briefing is required. Must be on or before the ETD. Allow a minimum of 15 minutes for preparation; two hours is recommended.

Servicing OWS

The operational weather squadron that will process the request.

Weather Flight Supported

Enables sending the request to a specific briefer. When enabled, the Weather Flight Email field becomes available.

Weather Flight Email

Enter the email address of the designated briefer. Do not enter the pilot's email address.

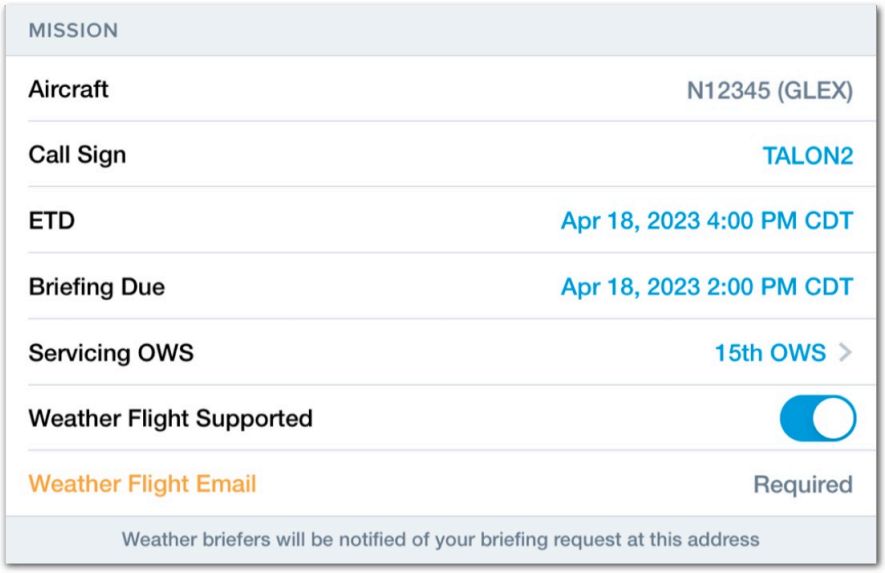


Figure 23-4. Briefing Request Menu - Mission Section

23.3.2 Flight Details Section

Fields within the Flight Details section:

> **Departure**
>
> The ICAO identifier for the departure airport. If unavailable, use the nearest airport with an ICAO code and provide the actual location in Remarks.

> **Route**
>
> The planned route.

> **Destination**
>
> The ICAO identifier for the destination. If unavailable, use the nearest airport with an ICAO code and provide the actual location in Remarks.

> **Alternate**
>
> The designated alternate airport.

> **Altitude Cruise**
>
> Cruise altitude specified in the flight plan.

Airspace

Select applicable Special Use Airspace (SUA) for inclusion in the briefing. Only select areas relevant to the flight.

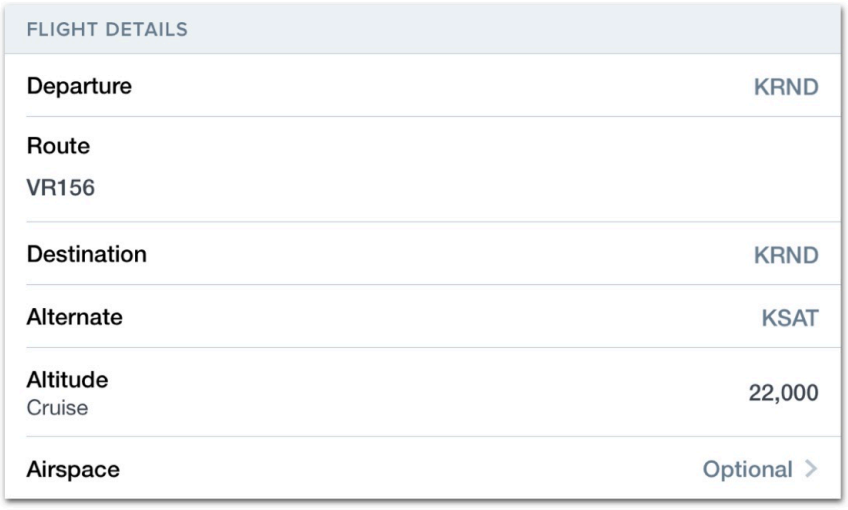


Figure 23-5. Briefing Request Menu - Flight Details Section

23.3.3 Pilot Section

Fields within the Pilot section:

Name/Rank

Enter as name and rank.

Service Branch

The pilot's service branch.

Mobile Phone

Optional; used if the briefer needs to contact the pilot.

Email(s)

Recipients of the briefing link. Each address receives an email linking to the mission summary in BIFROST.

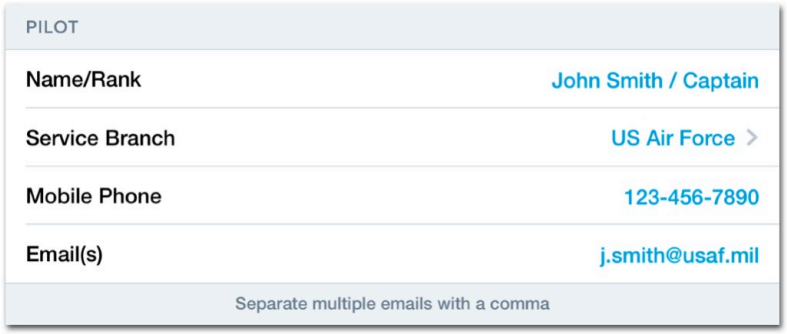


Figure 23-6. Briefing Request Menu - Pilot Section

23.3.4 Remarks Section

The Remarks section allows pilots to provide additional context to the weather briefer. Remarks may include departure or arrival locations not associated with ICAO identifiers.

23.3.5 Special Handling Section

The Special Handling section relays handling-specific instructions or requests to the weather briefer.

23.4 Briefing Status

ForeFlight Military Flight Bag supports five DD-175-1 briefing statuses. The current status is displayed at the bottom of the Briefing Request Menu and in the Flights list.

Briefing statuses:

> **Not Requested**
> Displayed after the Briefing button is tapped but before a request has been submitted.

> **Requested**
> Displayed after a briefing request is submitted but before it is accessed in BIFROST by a weather briefer.

> **In Work**
> Displayed when the request is accessed by a weather briefer but the briefing has not yet been published.

> **Published**
> Displayed when the briefing has been completed and is available in ForeFlight Military Flight Bag.

> **Watch**
> Displayed after the ETD to indicate the flight is being monitored by the appropriate branch.

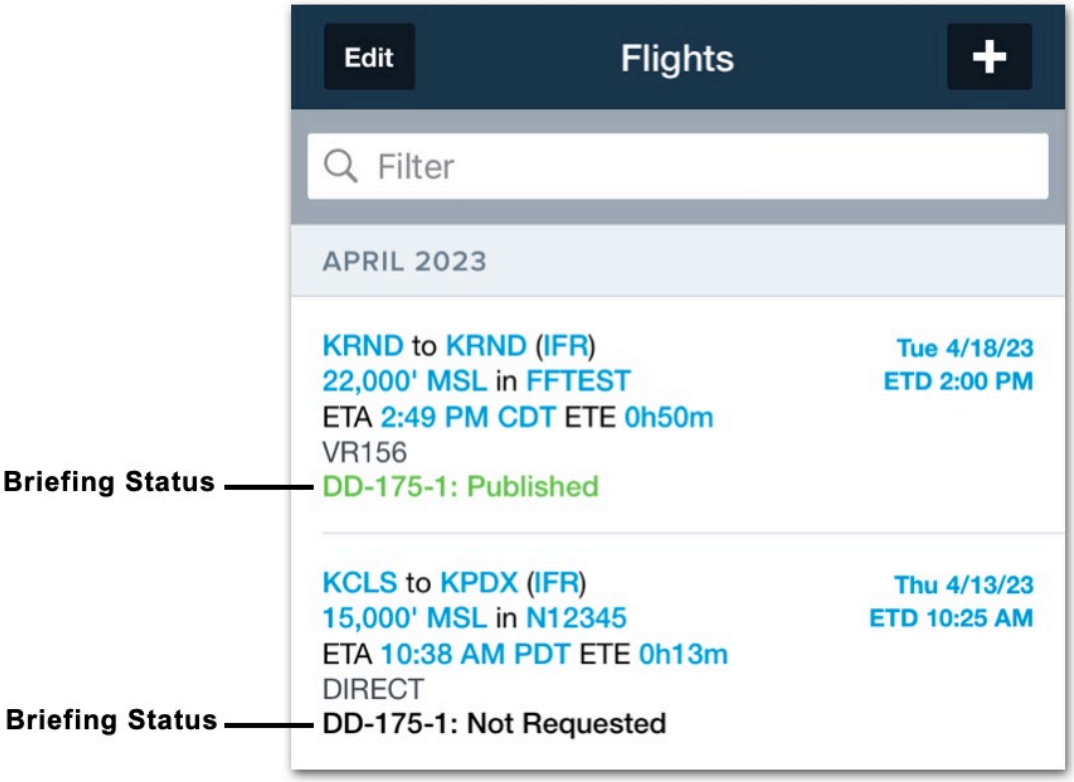


Figure 23-7. Flight List

23.4.1 Briefing Status Updates

When the briefing status changes, an in-app notification appears with two options:

- **OK**: Dismisses the notification.
- **View**: Opens the Briefing Request Menu or the published briefing.

To reopen a briefing after dismissing the notification, tap the **Briefing** button near the top of the Flights view.

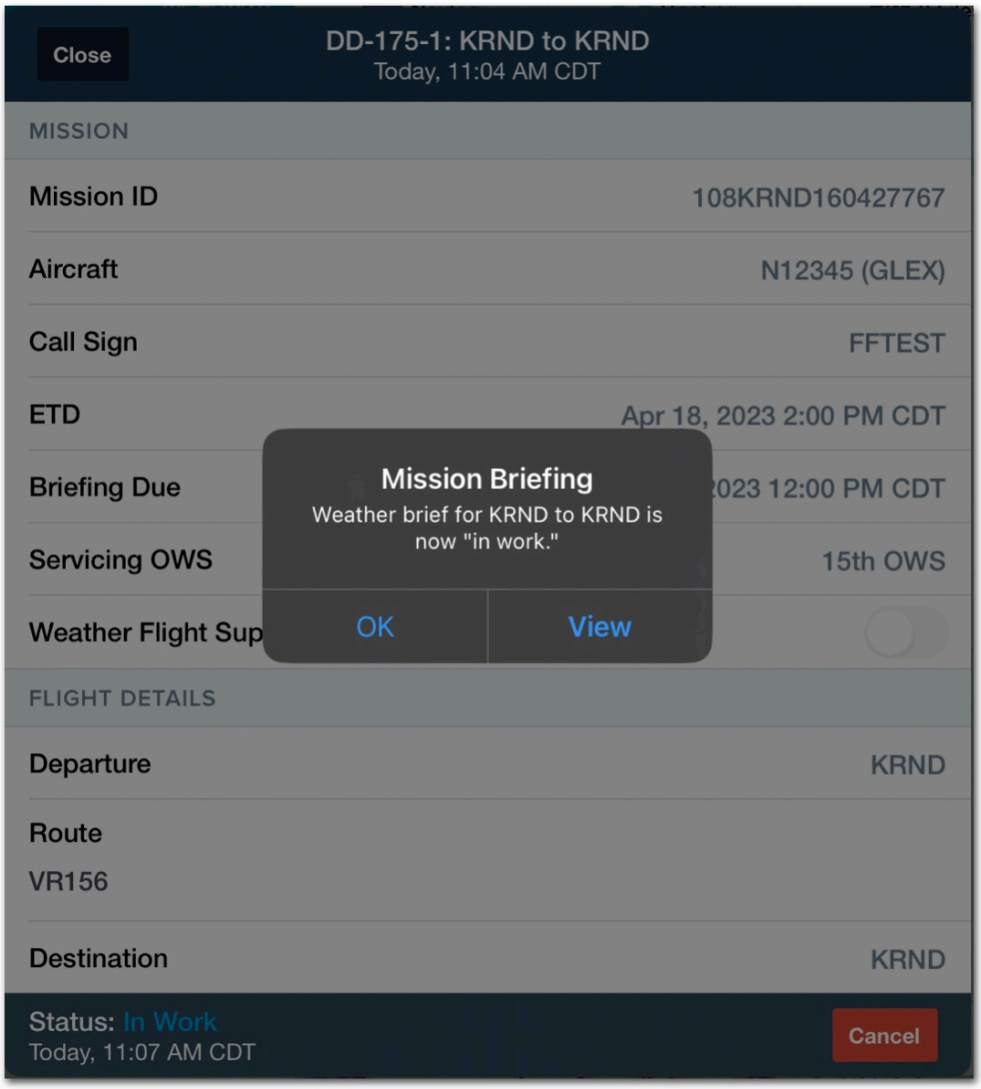


Figure 23-8. Briefing Status Update

23.4.2 Briefing Versions

Once a briefing is published, the version number (e.g., v1) is displayed in the lower toolbar, above the timestamp indicating when the status was last updated. Each new briefing version increments by one.


KRND - RANDOLPH AFB
Observations:
METAR KRND 181555Z AUTO 13008KT 10SM OVC016 21/19 A2987 RMK AO2 SLP109 T02120189
TAF:
TAF KRND 181600Z 1816/1922 14012G18KT 9000 BR OVC018 QNH2980INS
TEMPO 1817/1822 24020G25KT 4800 -SHRA BKN010 OVC015
BECMG 1900/1901 12009KT 8000 BR OVC009 QNH2981INS
BECMG 1905/1906 15012KT 4800 -RA SCT003 OVC009 QNH2983INS
BECMG 1914/1915 VRB06KT 8000 BR FEW005 OVC012 QNH2981INS
BECMG 1917/1918 16015G20KT 9000 -SHRA BKN010 OVC020 QNH2980INS
TX23/1821Z TN20/1911Z
WWAs:
Weather Advisory 04-024 for JBSA-Randolph (KRND) valid 18/1253Z (18/0753L) UFN
Observed Thunderstorms occurring within 100 NM. of JBSA-Randolph
Briefing Version
Status: Published v1
Today, 11:40 AM CDT
New Request
Imagery
Flights
ScratchPads
Checklist
Logbook
More

23.5 New Briefing Requests

Weather briefings do not automatically refresh. For example, if a briefing is received 24 hours before the estimated time of departure (ETD), reviewing it prior to flight will display data that may be up to 24 hours old.

To obtain an updated briefing, tap the **New Request** button in the lower toolbar of the Briefing Request Menu.

A new request is submitted via BIFROST, replacing the previous briefing. Once published, the briefing version number increments by one. The updated briefing will be available in ForeFlight Military Flight Bag.

23.6 Sharing Briefings

DD-175-1 briefings can be shared using standard iOS sharing functionality.

To share a PDF version of a briefing:

1. Tap the **Send To** button in the upper toolbar while viewing the briefing.
2. Select a sharing method from the displayed menu.

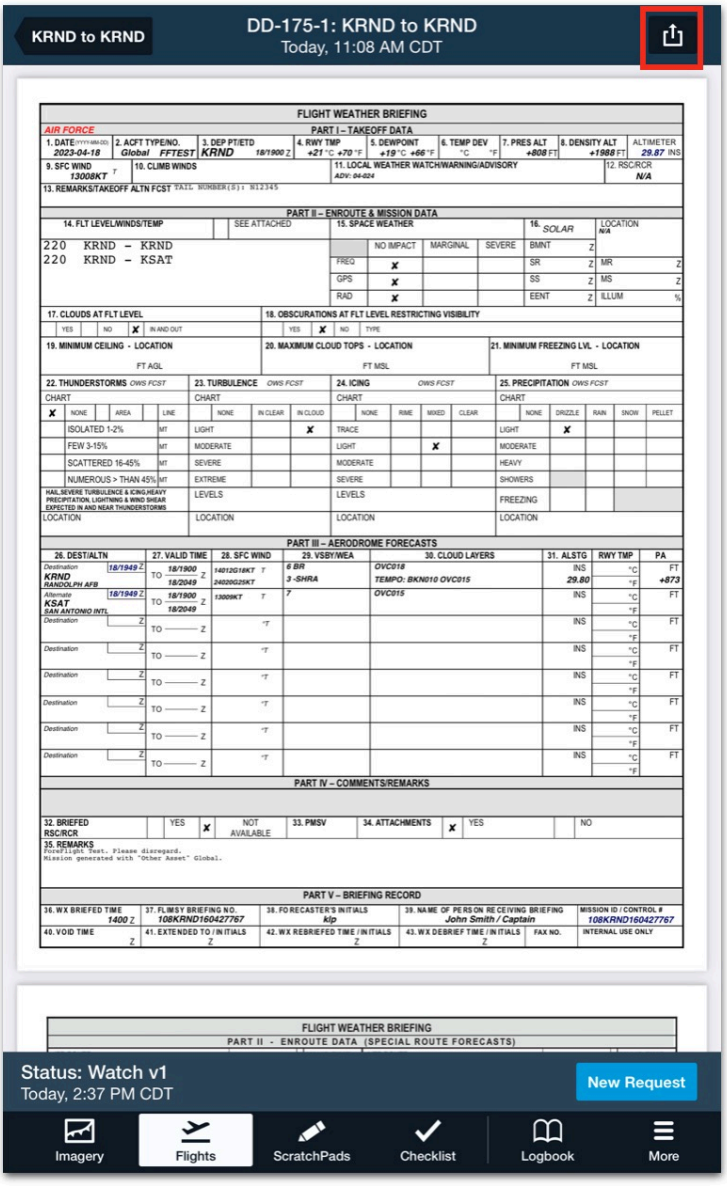


Figure 23-9. DD-175-1 Flight Weather Brief Share Button

MFB FLIGHT PLAN FILING

ForeFlight Military Flight Bag users can generate and sign DD-1801 flight plan forms, file electronically with Air Traffic Control (ATC), and notify Base Operations (Base Ops) via email.

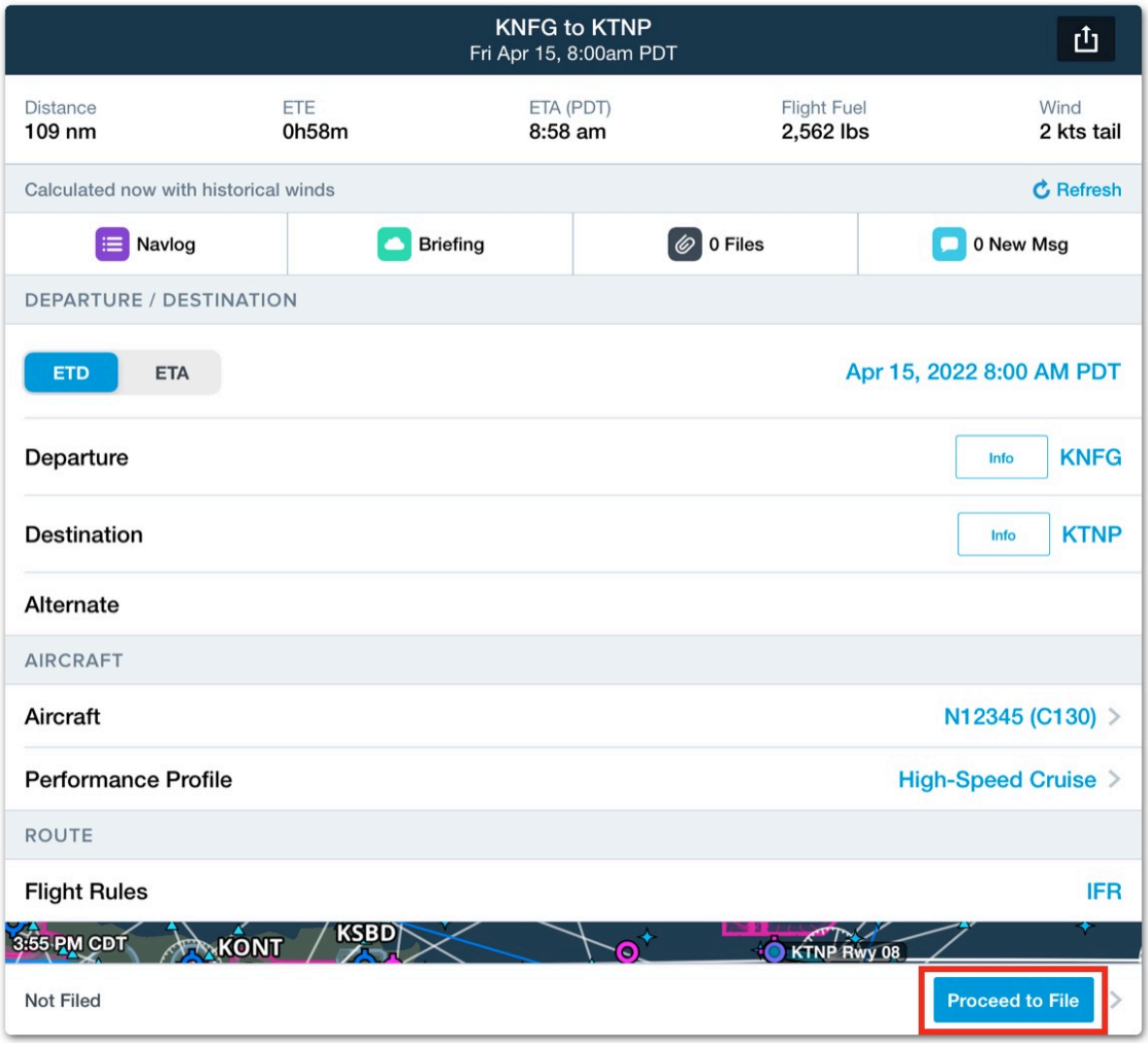
If filing is not required, users can generate the DD-1801 and use the Notify Base-Ops option without submitting the form to ATC.

DD-1801 filing is also available on ForeFlight Web.

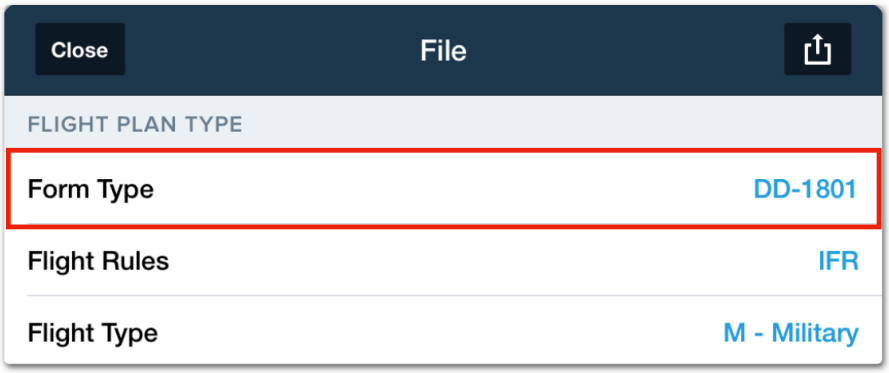
24.1 Filing Form DD-1801

To generate a DD-1801 flight plan:

1. On the **Flights** view, tap **Proceed to File**.



2. Select **DD-1801** as the Form Type.

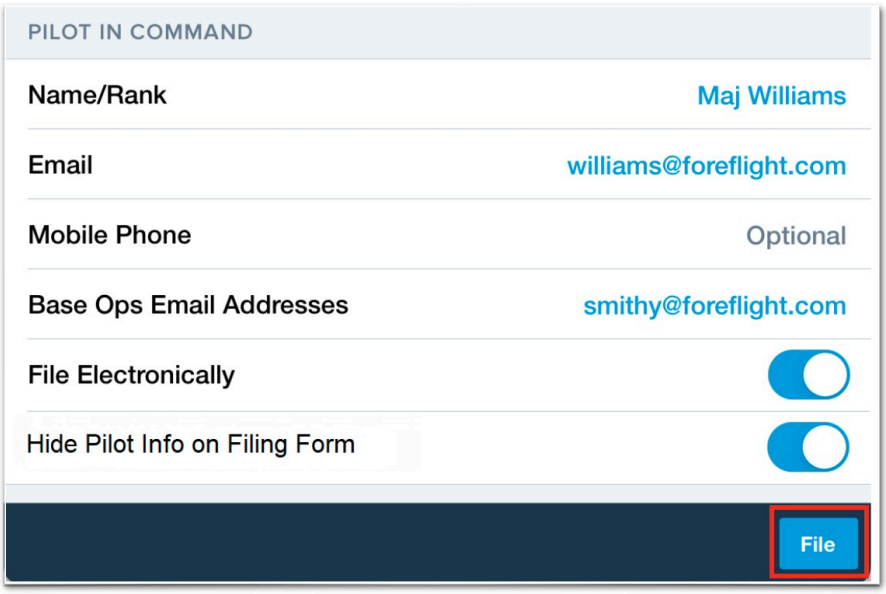


3. Enter the pilot's name, rank, and email address (required fields).
4. Enter an optional phone number to receive text alerts.

> **NOTE:** Phone numbers are not sent to ATC but are sent to Base Ops. Filing messages are anonymized and cannot be attributed to an individual pilot to comply with DOD privacy and liability regulations.

5. Enter an email address for Base Ops.
6. Toggle **Hide Pilot Info on Filing Form** to On to display "On File" in the Pilot in Command box. (Default: ON)
7. Complete all other required fields.

8. Tap **File** to start the process of submitting the DD-1801 to ATC and Base Ops. If ATC does not need to be notified, refer to File vs. Notify.

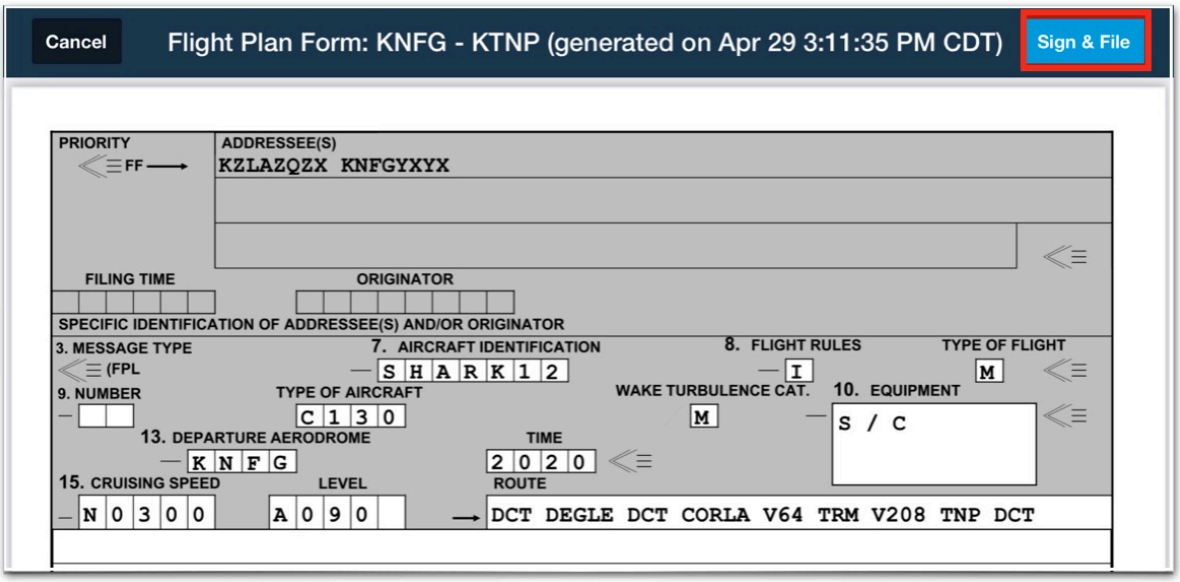


A confirmation message appears.

9. Tap the **File** button.

A PDF preview of the DD-1801 displays.

10. Tap the **Sign & File** button.



A signature popover appears.

11. Sign in the popover window.



12. Tap **Done**.

    A confirmation window appears.

The plan may be amended or canceled after filing.

> **NOTE:** ForeFlight does not provide a DD-1801 or ICAO flight plan form to any filing entity. Only flight details are shared. Pilot identity remains private.

24.2 File vs. Notify

Use File to send the flight plan to ATC and Base Ops. Use Notify for Base Ops-only submissions when ATC notification is unnecessary (e.g., military-only airspace operations).

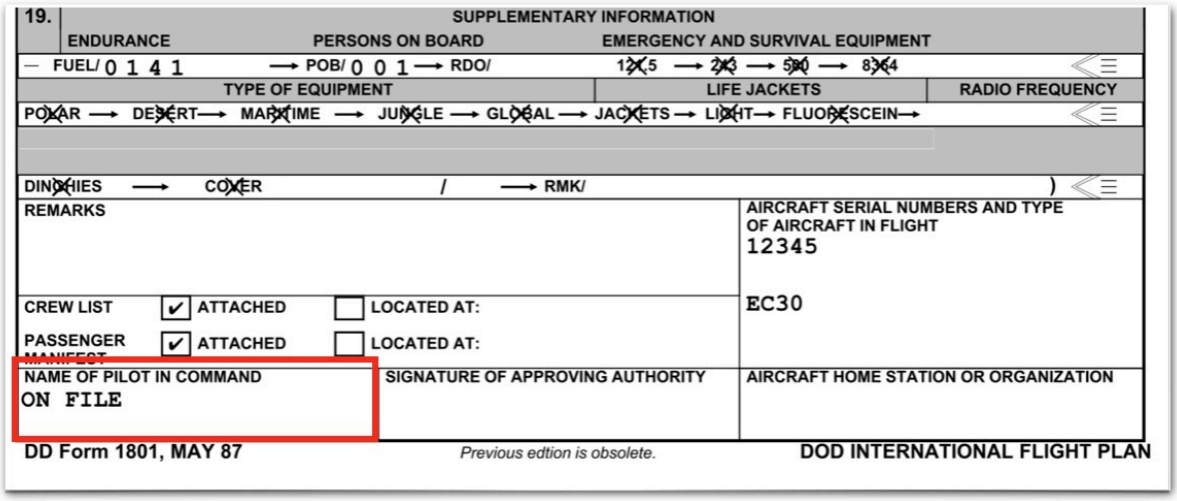
To notify Base Ops only:

1. Tap **Proceed to File** at the bottom of a Flight Plan on the **Flights** view.
2. Select **DD-1801** as the Form Type.
3. Enter the pilot's rank, name, email, and optional phone number.

> **NOTE:** Phone numbers will not be transmitted to ATC when filing electronically, but will be sent to Base Ops. Filing messages are anonymized and cannot be attributed to any individual pilot in compliance with DOD privacy and liability regulations.

4. Enter an email for Base Ops.
5. Toggle **Hide Pilot Info on Filing Form** to On, if desired.

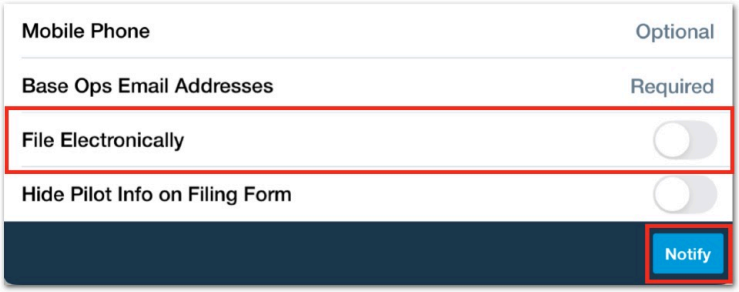
   When On, the Name of Pilot In Command box on the form will display "On File".



> **IMPORTANT:** If the pilot’s information is “On File,” the pilot’s base ops must be specified in the aircraft profile to file a flight plan with ATC.

6. Set **File Electronically** to Off.

   The **File** button becomes **Notify**.

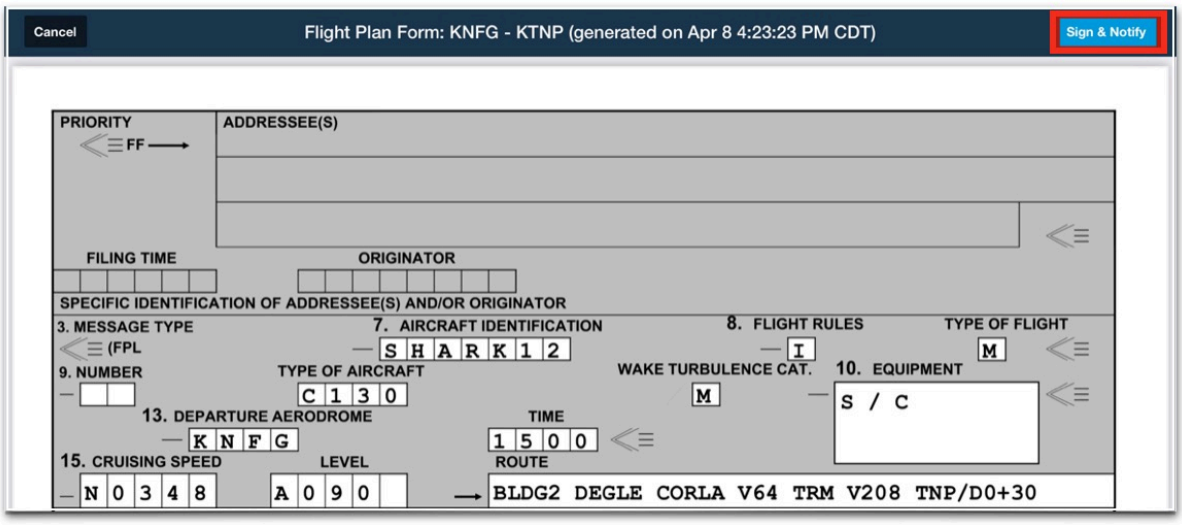


7. Tap **Notify** when prompted.

   A PDF of the DD-1801 appears for review.

8. Review the DD-1801 preview.

9. Tap **Sign & Notify**.



10. Sign the form.

11. Tap **Done**.

24.3 Operational Air Traffic Rules

Operational Air Traffic (OAT) rules enable military pilots to perform mission types not covered by EUROCONTROL General Air Traffic (GAT) regulations. Examples include aerial refueling, formation flying, and air combat maneuvering.

ForeFlight supports filing OAT flight plans. To file under OAT rules, modify the flight route to indicate where OAT operations begin and where GAT rules resume.

24.3.1 Applying a Rule Change

Flights are assumed to operate under GAT rules by default. To designate a transition to OAT rules:

1. Append `/OAT` to the waypoint where OAT operations will begin.
2. Append `/GAT` to the waypoint where GAT operations will resume.



Flight rule changes can be applied in either of the following locations:

- In the **Flights** view (not recommended due to route validation errors).
- On the filing form, after selecting **Proceed to File** (recommended).

> **NOTE:** Ensure the route is EUROCONTROL-valid before applying rule changes to minimize filing rejections.

PRIORITIZE JEPPESEN PLATES

ForeFlight Military Flight Bag customers with Jeppesen coverage can prioritize Jeppesen procedure plates over government-sourced plates.

When prioritized, Jeppesen plates appear at the top of the Maps, Plates, and Airports Procedure lists. Jeppesen plates are also displayed by default when selecting procedures via the Procedure Advisor.

By default, ForeFlight Military Flight Bag prioritizes government-sourced plates. To change this setting:

1. Tap **More → Jeppesen**.
2. Toggle **Prioritize Jeppesen Plates** on.

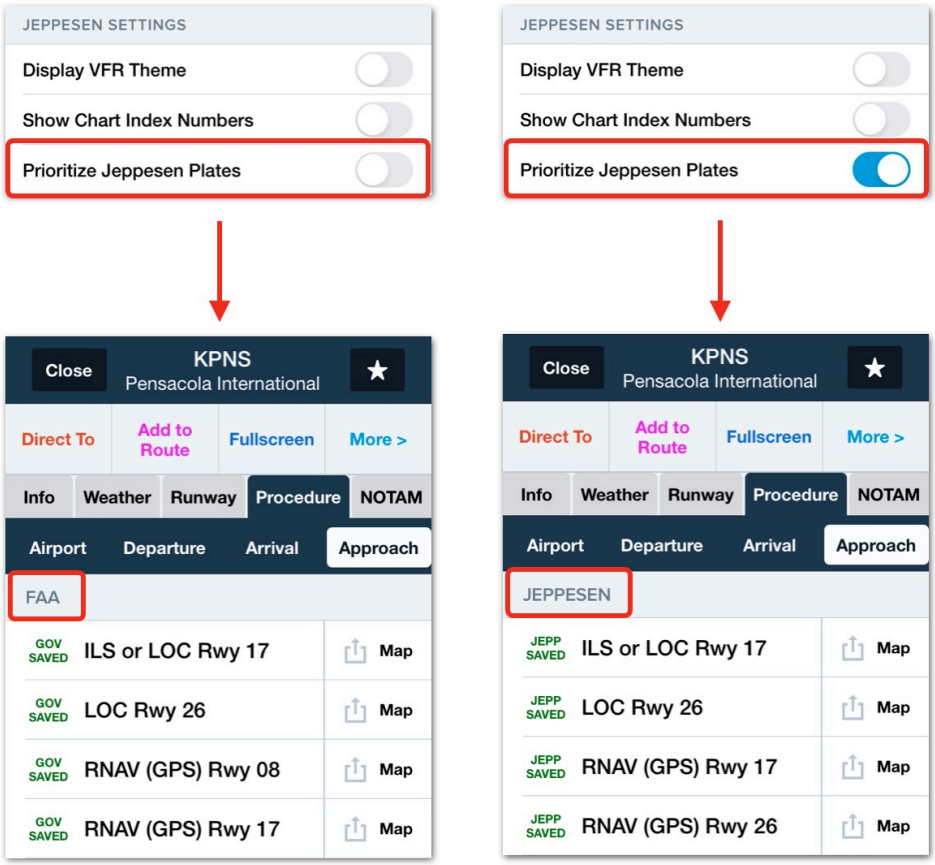


Figure 25-1. FAA Plates Prioritized (Left), Jeppesen Plates Prioritized (Right)

FOREFLIGHT TEAM AWARENESS KIT

ForeFlight Team Awareness Kit (TAK) connects ForeFlight Mobile to TAK servers. TAK is a situational awareness system used by military and joint operations to share position data among ground elements, aircraft, and command centers. ForeFlight TAK requires an MFB One subscription.

ForeFlight TAK makes ForeFlight Mobile a TAK client. When connected to a TAK server, ForeFlight Mobile:

- Streams aircraft position to the TAK server, enabling other elements on the network to see the aircraft location.
- Receives the positions of other TAK-connected devices and displays them as markers on the map.

ForeFlight TAK uses the Cursor on Target (CoT) standard. ForeFlight Mobile participates in any standard TAK network without special server-side configuration.

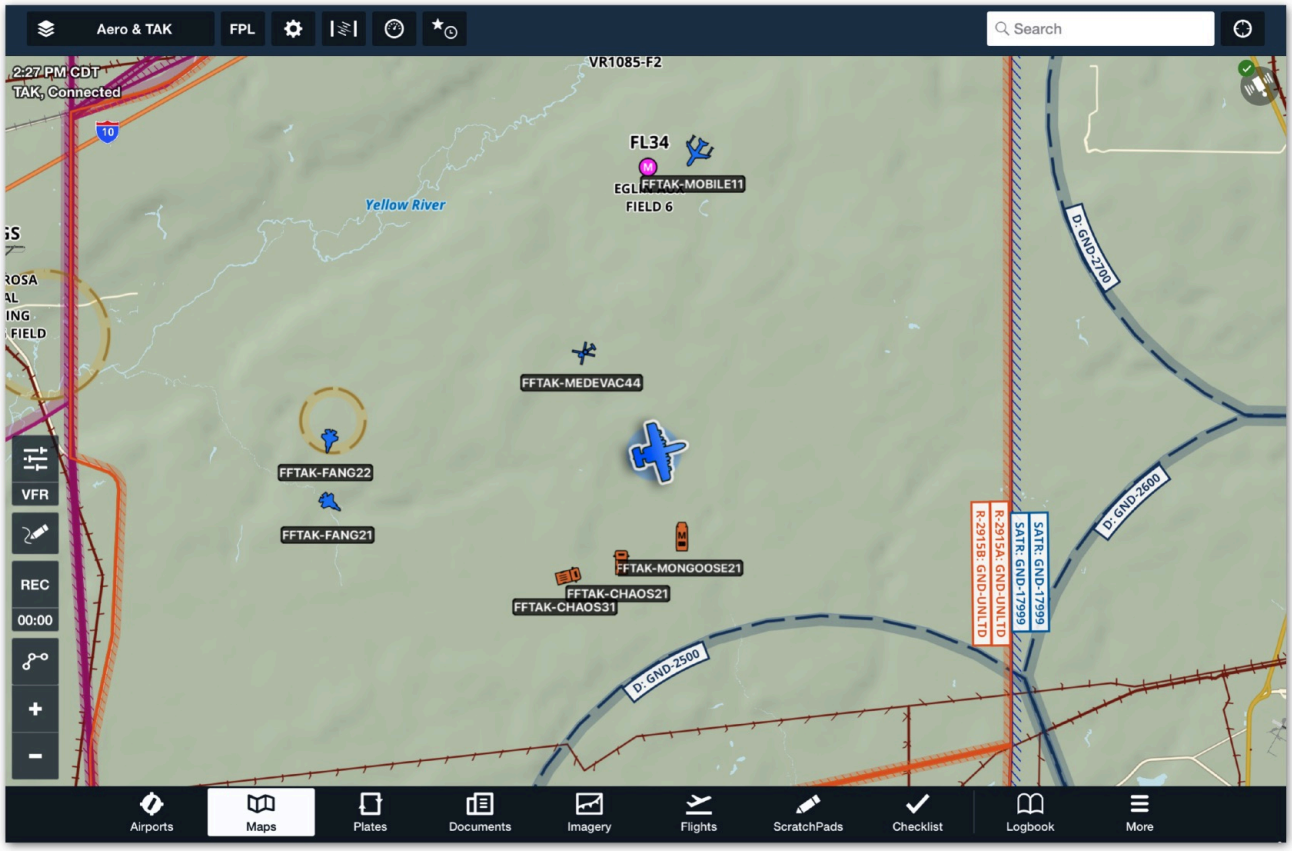


Figure 26-1. ForeFlight TAK

26.1 ForeFlight TAK Connectivity

ForeFlight TAK requires an active internet connection to communicate with the TAK server. Connectivity sources are:

- **Wi-Fi**: If the aircraft has an airborne Wi-Fi network, or if operating near a ground-based hotspot at low altitude, ForeFlight Mobile will connect to the TAK server over Wi-Fi.
- **Cellular**: If the iPad has an active cellular data plan and is located in a position to receive and maintain connectivity with the cellular network, ForeFlight Mobile will connect to the TAK server over a cellular network.
- **Airborne radio or networking equipment**: ForeFlight Mobile can use beyond-line-of-sight, tactical data links, or other hardware that provides network connectivity in flight to reach the TAK server.

If the device loses its connection to the TAK server during flight, the markers from that server will stop updating. The last known positions will remain on the map until they time out or the connection is turned off. When connectivity is restored, ForeFlight Mobile will reconnect and begin receiving updated positions.

> **NOTE:** While the TAK server is disconnected, displayed markers may not represent the current icon positions.

ForeFlight Mobile does not connect directly to other devices; all position data routes through TAK servers.

26.2 Initial TAK Connection and Broadcast Profile Setup

Before using ForeFlight TAK, configure a TAK server connection and a broadcast profile. See Adding TAK Servers and TAK Broadcast Settings. The broadcast profile defines the information shared with the TAK network. A broadcast profile can include multiple server profiles, with each server connection enabled or disabled individually.

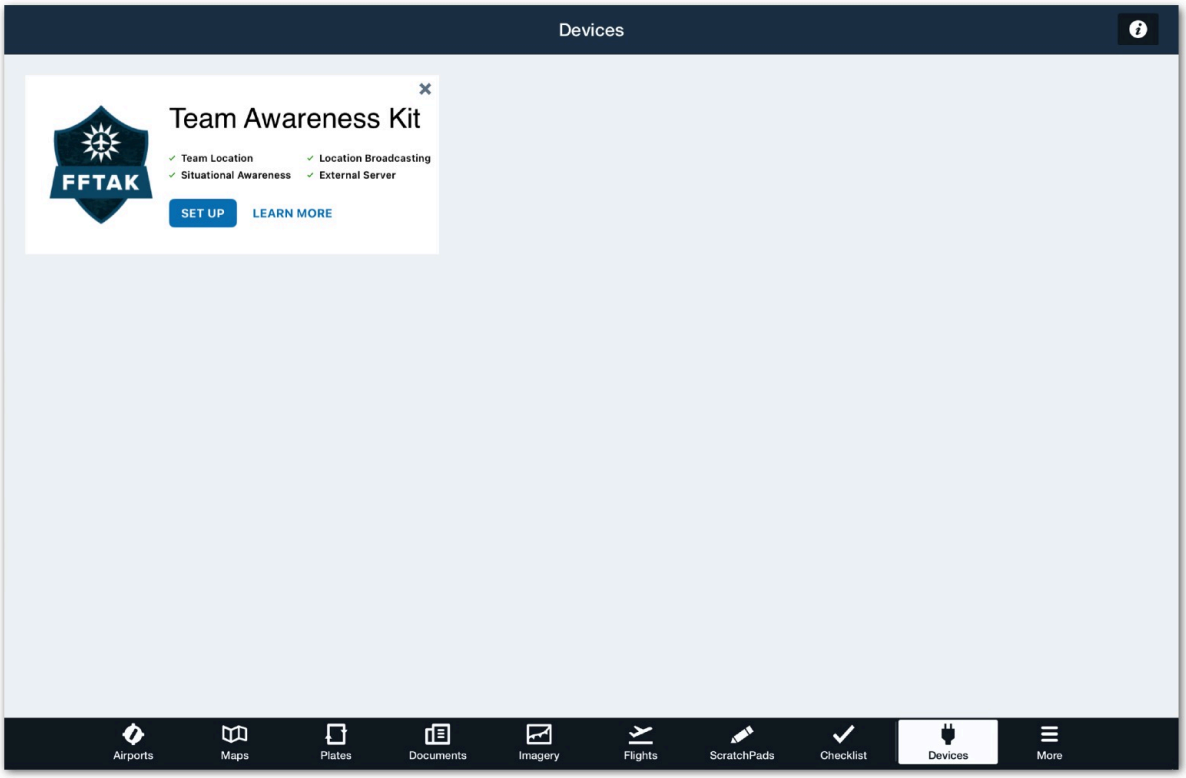
26.3 Adding TAK Servers

ForeFlight Mobile can connect to a TAK server using server information entered manually, or with a TAK connection package. Connection packages can be imported from TAK Settings or opened after being received through AirDrop, email, or file sharing.

26.3.1 Add a TAK Server Manually

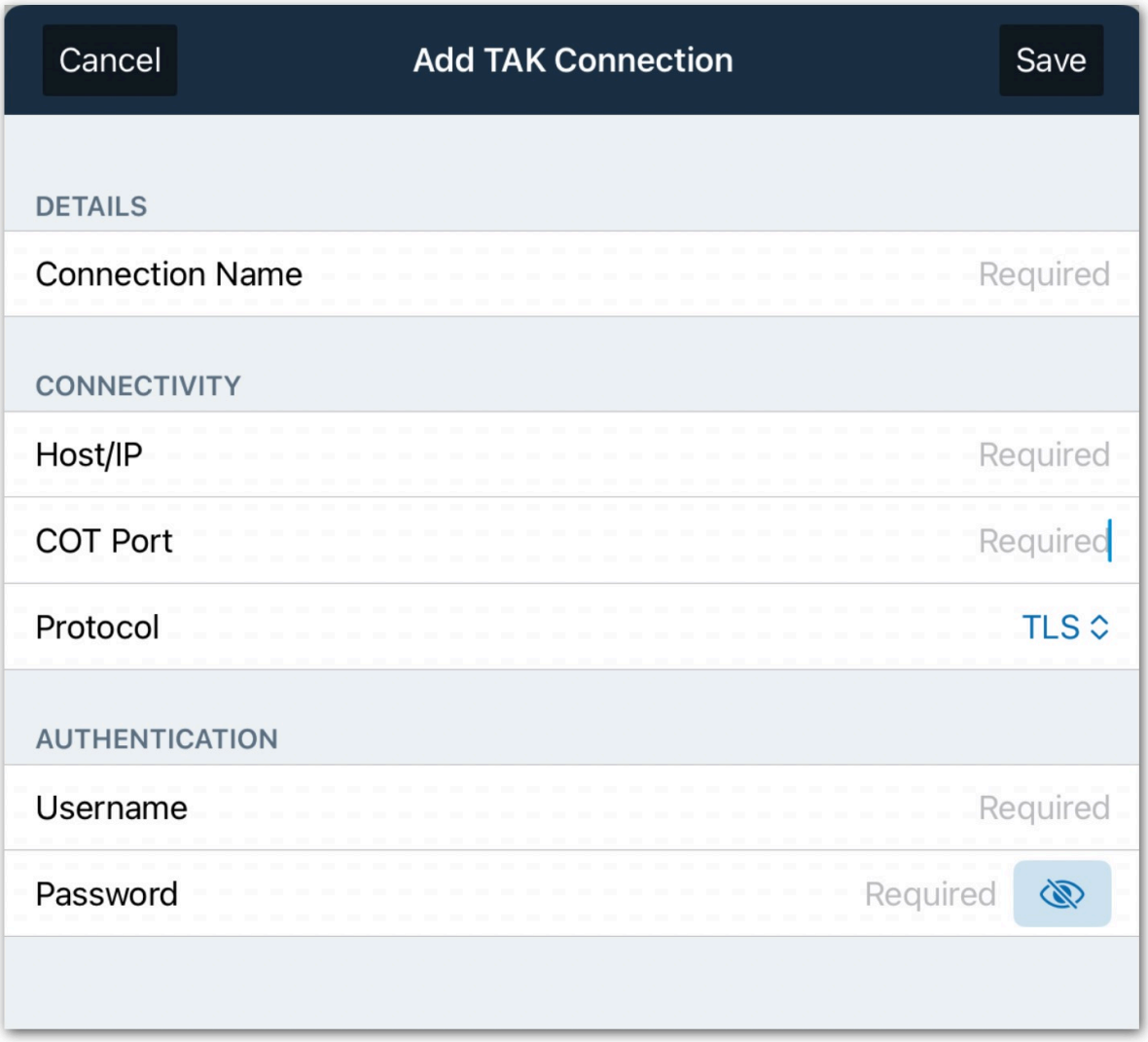
To manually add a TAK server:

1. Tap **Devices** on the navigation toolbar.
2. Start a new connection:
   - If the setup card is shown, tap **Set Up**.



   - Otherwise, tap the **Add Server**,  icon.
3. Tap **Add New TAK Connection**.

4. Enter a **Connection Name**.



5. Enter the TAK server Host/IP.
6. Enter the CoT Port.
7. Select a Protocol.
8. Enter **Username** and **Password**.
9. Tap **Save**.

10 Turn on the **Connection** toggle for the TAK server.



ForeFlight Mobile automatically receives device positions from the server and sends the ownship position according to the Position Information selections in Server Settings.

> **NOTE:** Passwords are stored securely in the iOS Keychain and are not visible after saving.

> **NOTE:** The TAK map layer will activate on the map automatically the first time a server connects successfully.

26.3.2 Add a TAK Server Using a Connection Package

A server can be added using a .zip file that contains server configuration details known as a TAK connection package.

Servers imported from a connection package are read-only server profiles. Server connections can be toggled on or off, but the server address or credentials cannot be edited. If a configuration change is needed, remove the server and import an updated connection package.

26.3.2.1 Import Connection Package

To import a connection package from within TAK settings:



Figure 26-2. Import a TAK Connection

1. Tap **Devices → TAK**.
2. Tap **Add Server** .
3. Tap **Import Connection Package**.
4. Select the connection package file.

The server is added automatically.

26.3.2.2 Receive and Import a Server File

To receive the file and import it directly:

1. Receive the server .zip file via AirDrop, email, or file sharing.

   ForeFlight Mobile detects the file type and prompts users to import it as a TAK connection package.
2. Tap **Import**.

The server is added automatically.

26.3.2.3 Add a TAK Server Using a QR Code

To add a TAK server using a QR code:

1. Tap **Devices → TAK**.
2. Tap **Add Server** .
3. Tap **Scan QR Code**.
4. Allow ForeFlight Mobile to access the device camera (if necessary).

5. Scan the QR code with the camera to download the TAK server file.

The server is added automatically.

26.4 Deleting a TAK Server

To delete a TAK server:



Figure 26-3. TAK Server

1. Tap **Devices → TAK**.
2. Turn off the **Connection** toggle.
3. Tap the **Server Settings** (gear icon).
4. Tap **Edit**.
5. Tap **Delete Connection**.
6. Tap **Delete Connection** on the confirmation pop-up dialog.

The TAK server will be removed.

26.5 TAK Settings

Team Awareness Kit (TAK) settings include broadcast settings and server configuration settings, which are accessed from separate locations. Broadcast settings define ownship identification, contact information, position sharing, and related broadcast options. Server settings configure individual TAK server connections.

26.5.1 TAK Broadcast Settings

Broadcast settings configure the information shared with other Team Awareness Kit (TAK) users and control how that information is transmitted.

To change settings, tap **Devices → TAK → Broadcast Settings**.

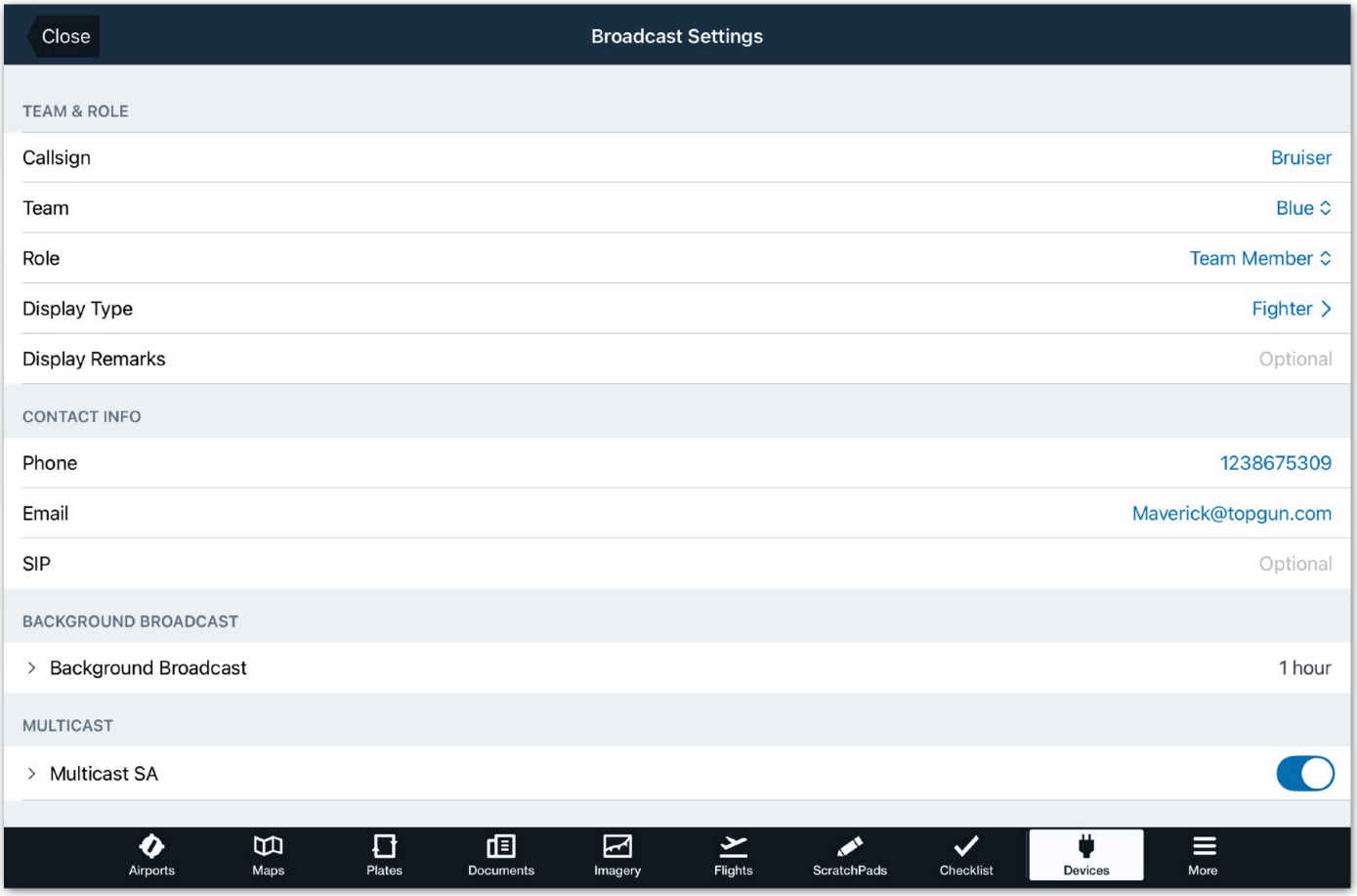


Figure 26-4. Broadcast Settings

Broadcast Settings contain:

Team & Role

Callsign

Enter the callsign to be displayed.

Team

Select a team color from the pop-up menu.

Role

Select the role from the pop-up menu.

Display Type

Select the icon to be broadcast to the TAK server from the pop-up menu.

> **IMPORTANT:** MFB ownship icon and TAK broadcast icon do not automatically sync. As a result, the ownship icon displayed on the user device may not match the icon broadcast to the TAK server.

Display Remarks

Enter remarks to be displayed.

Contact Info

Phone

Enter a contact phone number.

Email

Enter a contact email address.

SIP

Enter Session Initiation Protocol (SIP) contact information.

Background Broadcast

Duration

Set the background broadcast time limit from the pop-up menu.

> **Only External Power**
>
> Configure background broadcasting to operate only when the device is connected to external power.

Multicast SA

Turn on **Multicast SA** to enable multicast for mesh networks or UDP connections.

> **Connectivity**
>
> Displays Host/IP and CoT Port information.

26.5.2 TAK Server Settings

The settings of individual Team Awareness Kit (TAK) servers can be modified.

To modify server settings, tap **Devices → TAK**, then tap the **Server Settings** (gear icon) for the applicable server.



Figure 26-5. TAK Server

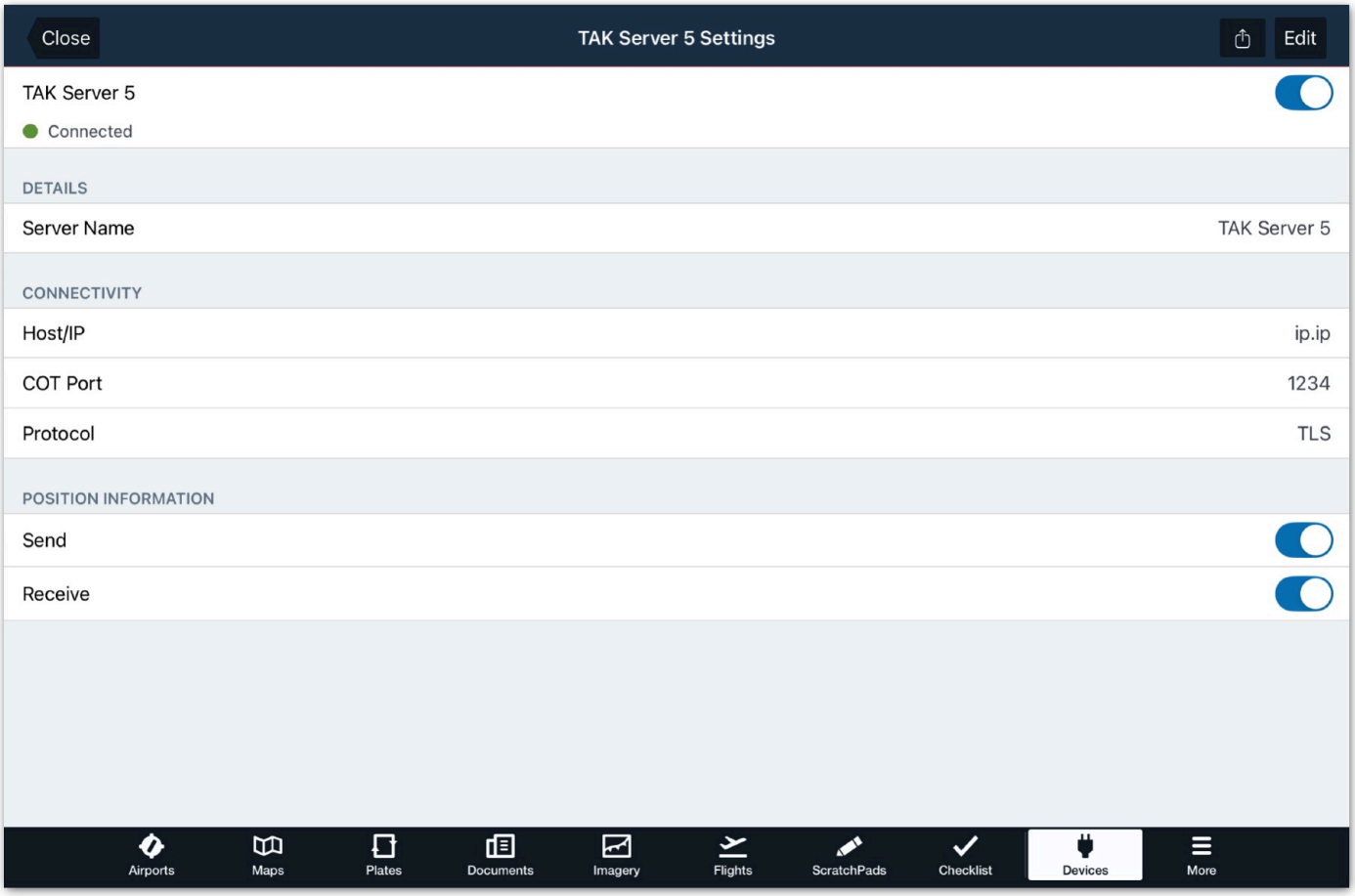


Figure 26-6. TAK Server Settings

Position Information

Toggle the **Send** and **Receive** settings on or off.

26.5.3 TAK Map Settings

To modify Team Awareness Kit (TAK) map settings, tap **Settings → TAK Settings**.

> **Map Marker Color**
>
> Set the marker color to match **Team** or **Affiliation**.

> **Reporting Preferences**
>
> Set the interval between position reports.



Figure 26-7. TAK Map Settings

26.6 TAK on the Map

To display the Team Awareness Kit (TAK) layer in the Maps view, tap **Map Layers → TAK**.

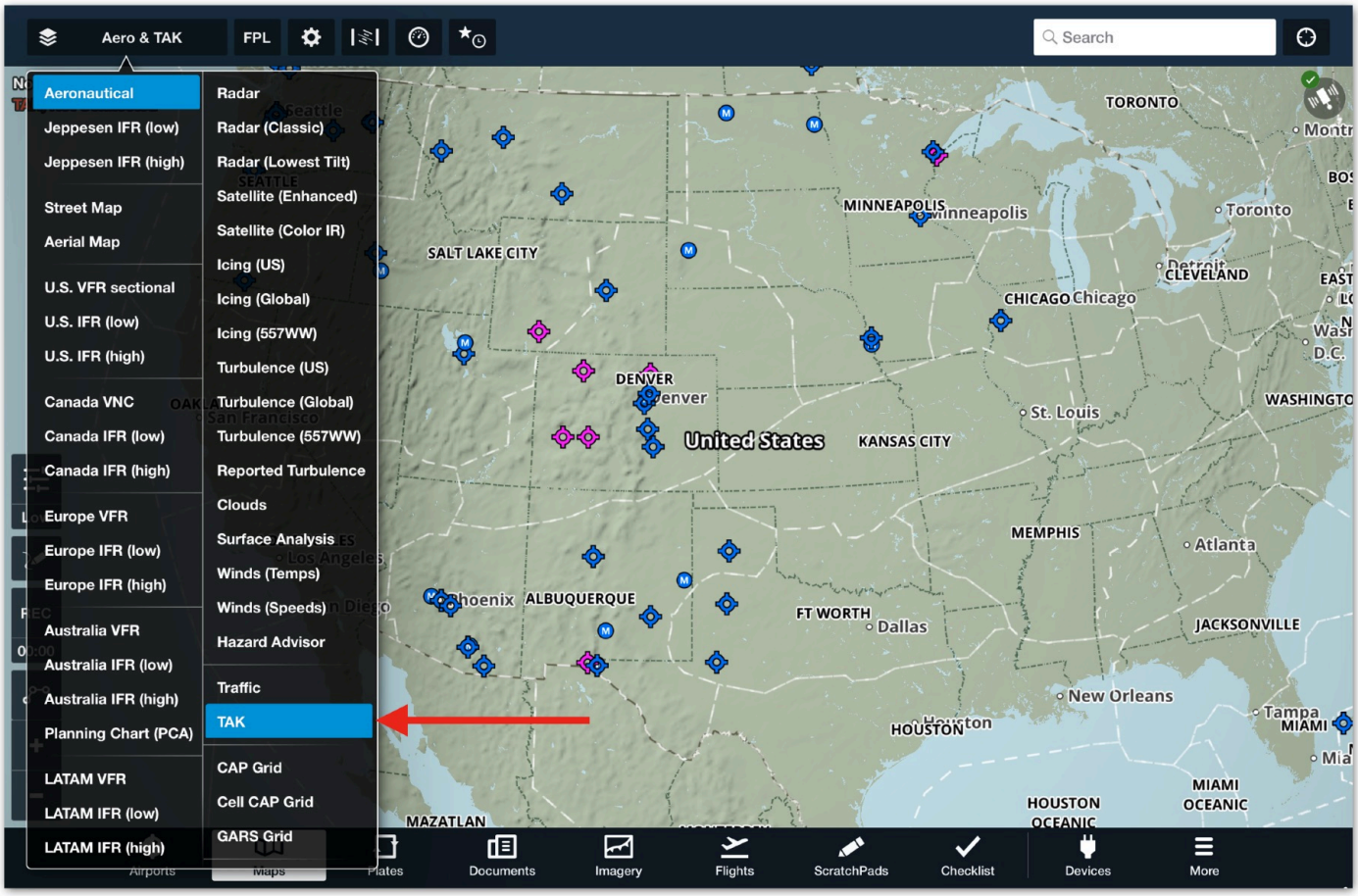


Figure 26-8. TAK layer listed in the map layers drop down

TAK status is displayed in the top-left corner of the map.

ForeFlight Mobile displays participating units on the map and in Synthetic Vision. Tap unit icons on the map to display an information pop-up menu.

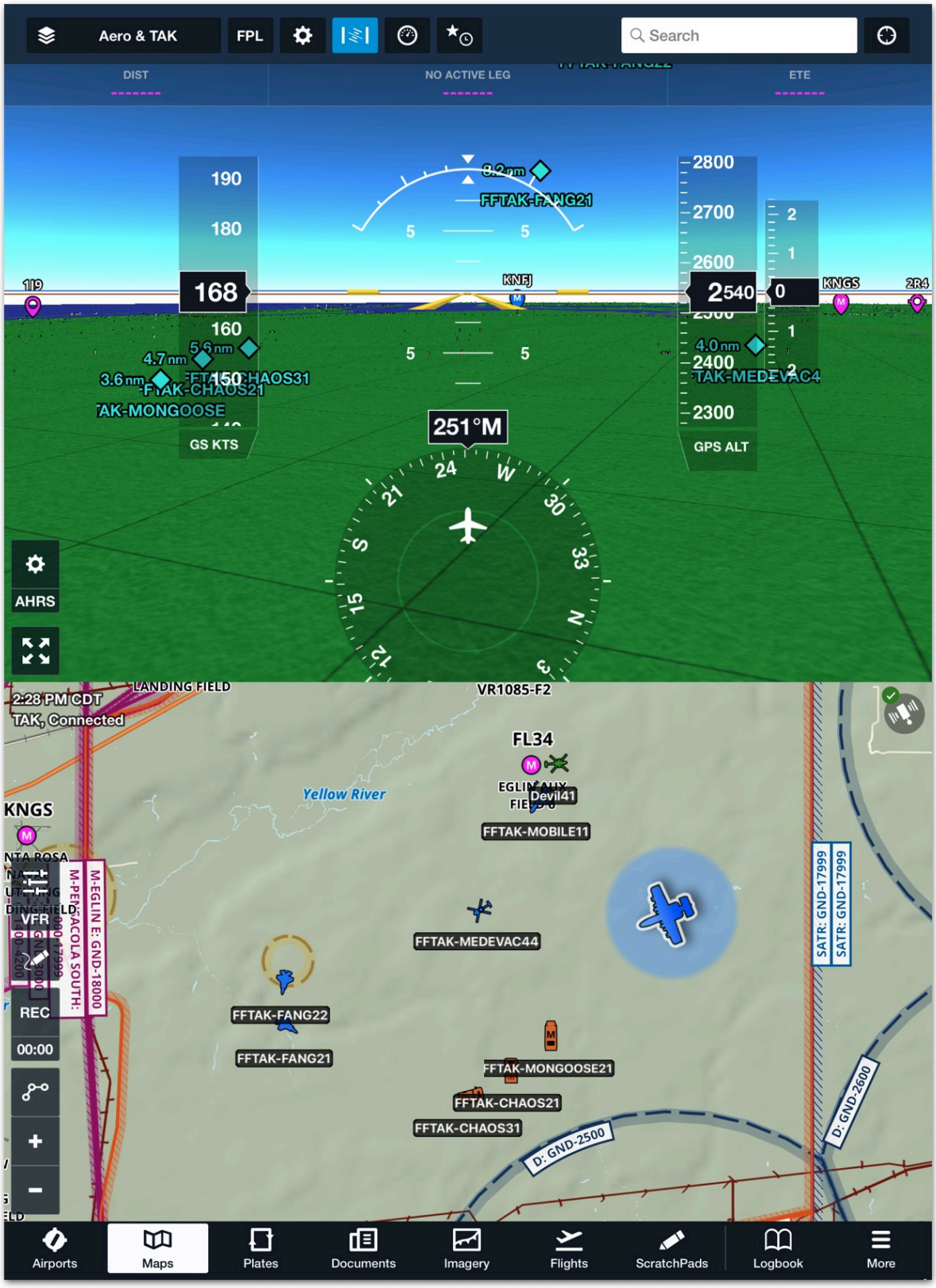


Figure 26-9. TAK Display in Synthetic Vision and on the map

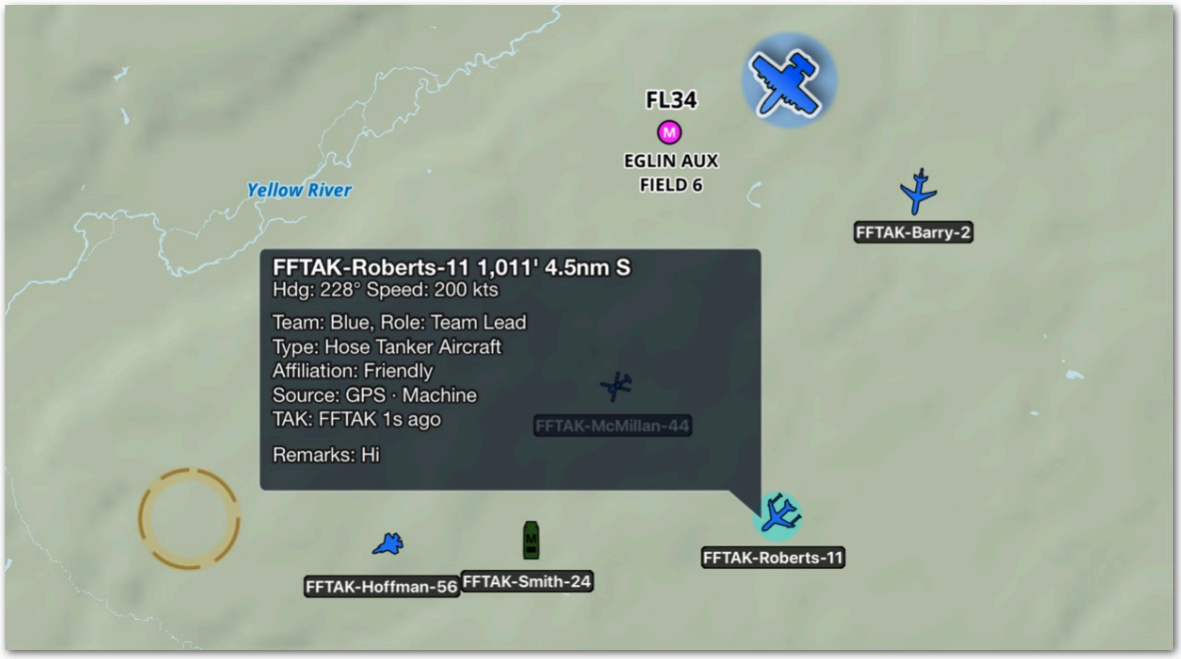


Figure 26-10. Icon Information Pop-up Menu

CHANGE HISTORY

Version	Date	Change Summary
18.7	August	• Added Tactical Awareness Kit.
18.6	July 2026	• Added Low-Level Corridor.
18.1	February 2026	• Updated guide style.
17.7	July 2025	• Added Military Themed App Icon chapter. • Reorganization and cleanup of content.
17.6	June 2025	• WAFS Internet File Service (WIFS) export now includes the Most Critical Equal Time Point (ETP). • Updated subscription plan names.
17.1	January 2025	• Added Graphical EOPs.
16.5	May 2024	• Added weather and NOTAM sources.
16.3	March 2024	• Added Common Route Definition (CRD) export option.
16.2	February 2024	• Added new links for support messaging.
16.1	January 2024	• Cross Point at Bearing added.



ForeFlight

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