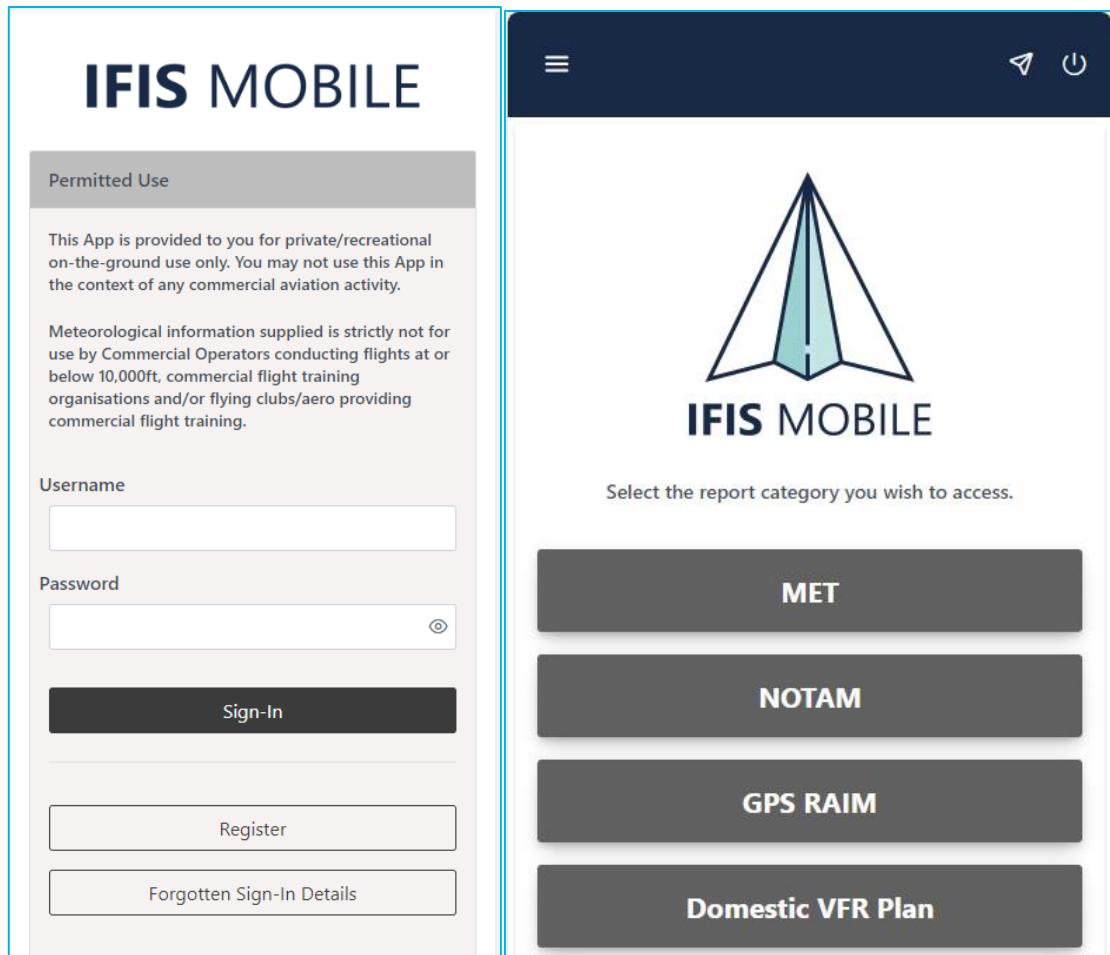


Introducing IFISMobile 2

Introduction

IFISMobile 2 is the second iteration of the original IFISMobile app released in 2016.

With this second iteration there are changes in the way IFISMobile is accessed and installed, how to manage user accounts, and how to retrieve MET and NOTAM information. There is also new functionality, including access to GPS RAIM Predictions, access to Domestic VFR Plans, and the ability to save/load Favourites.



IFISMobile 2 Sign-In and Home pages.

What has changed?

Access and Installation

IFISMobile 2 is a progressive web app (PWA). A progressive web app is an application that is delivered through the web. This means that it does not have a presence on the Apple and Google Play stores, and there is no requirement to download the app.

IFISMobile 2 can be accessed by navigating to <https://ifismobile.airways.co.nz> on your mobile device, tablet, or computer. When you have signed into IFISMobile 2, you will be prompted to install the app to your device's home page. Installation instructions will be displayed. If you elect not to install the app straight away, and need to access the installation instructions at a later stage, these can be found via the hamburger menu at the top left of the home page.

To learn more about progressive web apps, and how to install and uninstall them refer to the links provided below:

- ▶ [Installing and uninstalling web apps - Progressive web apps | MDN \(mozilla.org\)](#)
- ▶ [Use Progressive Web Apps - Computer - Google Chrome Help](#)
- ▶ [PWA install instructions \(microsoft.com\)](#)

User Accounts

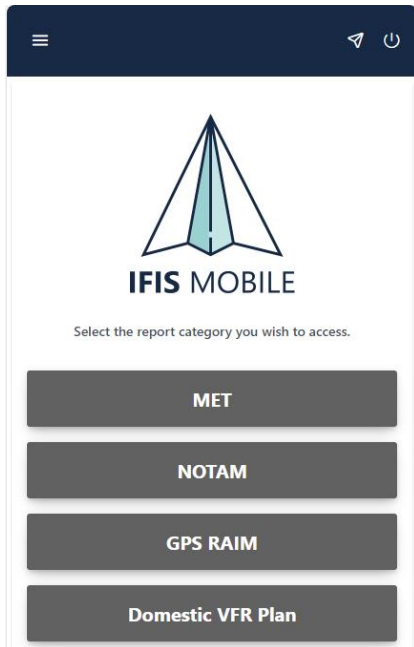
Any accounts you have registered for IFISMobile are not carried over to IFISMobile 2. This means you will need to reregister. Registration can be accessed by clicking the 'Register' button on the bottom of the 'Sign-In' page.

Once you have signed in, you can update your user details at any time, by accessing the 'User Details' page. *Note:* you will need to enter your existing password if you plan to change your email address or password.

If you forget your account credentials, you can request a reset of your password via the username or email of a registered account. An email will be sent to the associated email address of the registered account. The email will include details of your associated account(s) including username, account creation date, last logon, and a reset password link for each of the associated accounts.

Navigation

Once you have signed in, the following landing page is displayed:

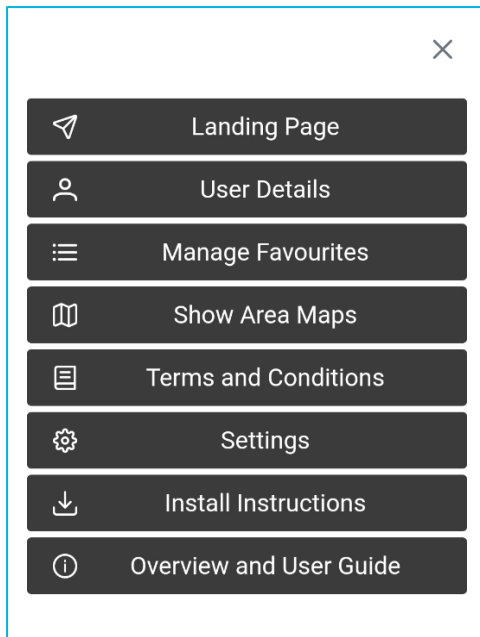


Top navigation bar options

The dark bar at the top of the App screen is referred to as the top navigation bar. It contains three icons/options which can be selected:



This is often referred to as a hamburger menu icon. Clicking on it displays a pop-up menu providing access to information or functionality:



Some of these menu options or the functionality that they provide access to are referenced later in this document.



If you are not on the landing page, e.g., have accessed MET data through the MET menu, and want to return to the landing page, then this can be done using the 'flight' icon on the top navigation bar.



To log out of the app, click on the 'power button' icon on the right of the top navigation bar. Note that logging out of the app doesn't close the app, but merely returns the app to displaying the Sign-in screen.

Bottom Navigation Bar

A dark bar appears at the bottom of the App screen after you have made a selection from the landing page. This is referred to as the bottom navigation bar. The icons/options displayed on the bottom menu bar vary depending on the functioning of the screen being displayed.

Updates to the app

Occasionally there will be updates released for the IFISMobile 2 PWA. These are automatically downloaded in the background and are applied when the app is restarted (closed and re-opened), or when you are prompted to update the app.

What's new?

- Access to MET information for multiple locations from a single request.
- Access to more types of MET information. In addition to access to ATIS, METAR, SIGMET and TAF textual reports, access is provided to:
 - Aviation Area Wind Reports.
 - Graphical MET charts (as provided via IFIS):
 - SIGMET NZZC.
 - SIGMET NZZO.
 - Graphical Forecasts (GRAFORS).
 - Significant Weather (SIGWX) for FL 100.
- Access to GPS RAIM Prediction Reports.
- Access to Domestic VFR Flight Plan functionality for an active Domestic VFR Plan submitted via IFIS:
 - View the flight plan details.
 - Change the SAR Time.
 - Terminate the flight plan.
- The ability to save and load Favourites for often used requests for the following main menu items:
 - MET.
 - NOTAM.
 - GPS RAIM.

Use of IFISMobile 2 should be intuitive, but more details on its use are provided in the User Guide below.

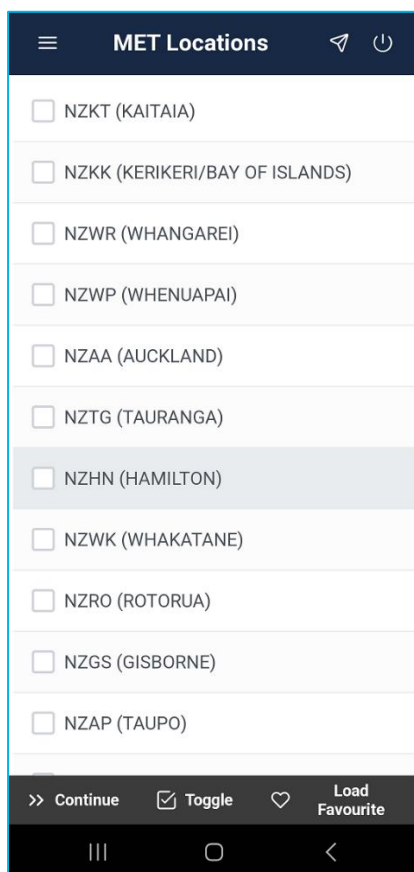
User Guide

Accessing MET information.

A variety of MET information can be accessed via the 'MET' option on the IFISMobile 2 landing page.

On the original IFISMobile when clicking on MET you were taken to a map representation of the different MET locations. This has now been replaced with three MET option selection screens.

The first screen labelled '**Met Locations**' (see below) provides a list of aerodromes and heliports, ordered North to South, for which textual MET data is available. If locations are selected on this screen, then any available ATIS, METAR and TAF reports for the selected locations are returned together with any valid SIGMET reports.



Note that on all three MET option selection screens, the 'Toggle' option can be used to reverse the current selections. In the case where no selections have been made, using the Toggle option will select everything.

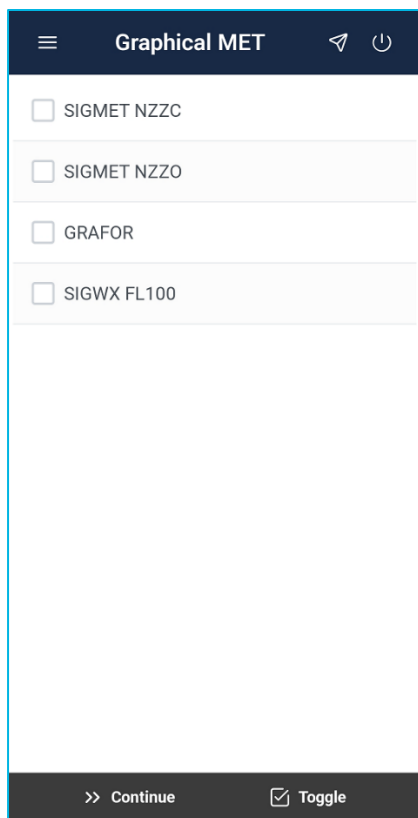
After selecting MET locations, clicking on **>> Continue** will display the second selection screen which is labelled '**AAW Areas**'. This provides a list of the Aviation Area Wind (AAW) Areas (see below). If areas are selected on this screen, then AAW reports are returned for these areas.



Note: A map of the AAW Areas can be accessed via the menu icon on the navigation bar and clicking on the '**Show Area Maps**' option.

After selecting AAW areas, clicking on **>> Continue** will display the third selection screen which is labelled '**Graphical MET**'. This provides a list of the types of Graphical MET charts which are available (see below). If chart types are selected on this screen, then any available Graphical charts for the selected types are returned.

Note: In the case of the 'GRAFOR' and 'SIGWX FL 100' options, more than one chart of each type might be returned, depending on how many charts of each type are valid (now or in the future) at the time that the charts are requested.



After selecting Graphical MET options, clicking on **>> Continue** will submit the MET request and the results will be returned on a page labelled **'MET Report'** (see example below).

The top of the report lists the date/time that the report was requested, the Selected MET locations, the Selected AAW Areas, and the Selected Graphical MET Charts.

This is followed by one or more sections containing icons to access each report or chart. Click on an icon to view the report/chart.

Clicking on the **'Expand'** option on the bottom navigation bar will expand all reports and charts.

Clicking on the **'Update'** option on the bottom navigation bar will request an update and a pop-up will give the number of reports/charts that have been updated.

Clicking on the **'Favourite'** option on the bottom navigation bar will provide an option to 'Save Favourite' so that the selections in the request can be saved and then loaded in the future to reduce user input on the selection screens.

☰ MET Report 🔍 ⏻

Request Summary

Date of Report:
27 Mar 2024 03:45 UTC

Selected MET Locations:
NZNS, NZWN, NZWB, NZKI, NZCH

Selected AAW Areas:
DV, ST, TN, KA, AL

Selected Graphical MET Charts:
SIGMET NZZC, SIGMET NZZO, GRAFOR, SIGWX
FL100

MET Reports

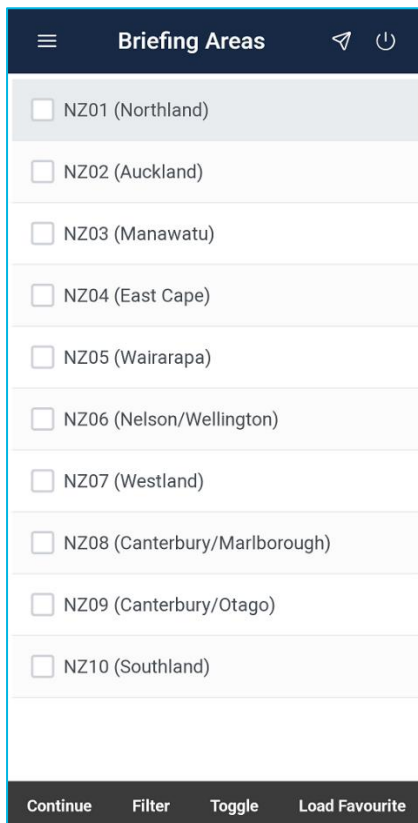
- 👁 NZNS (NELSON)
- 👁 NZWN (WELLINGTON)
- 👁 NZWB (WOODBOURNE)
- 👁 NZKI (KAIKOURA)

⏶ Expand ⏪ Update ❤ Favourite

Accessing NOTAM information

The process for accessing NOTAM reports has the same look and feel as the original IFISMobile app. However, map view and Watch NOTAM are no longer supported.

NOTAM information can be accessed via the 'NOTAM' option on the IFISMobile 2 landing page. Clicking on this option displays a 'Briefing Areas' selection screen:



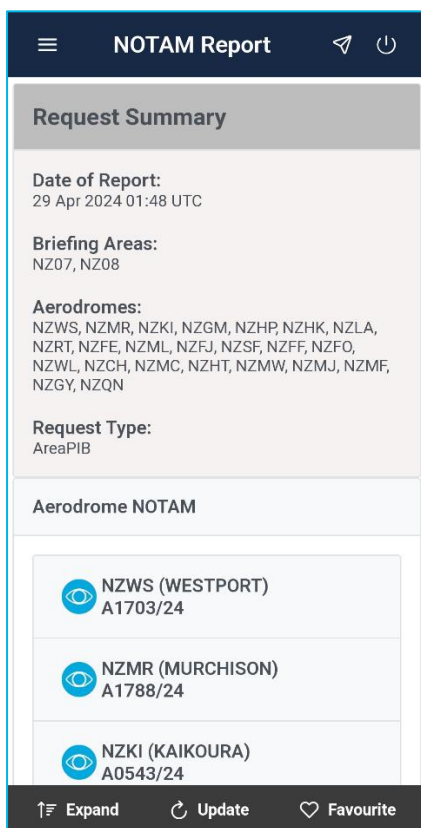
Note: A map of the Briefing areas can be accessed via the menu icon on the navigation bar and clicking on the '**Show Area Maps**' option.

From the 'Briefing Areas' screen several NOTAM retrieval request options are possible:

Unfiltered NOTAM request (Area Briefing):

Selecting one or more Briefing areas and then clicking on the 'Continue' option on the bottom menu bar will result in the return of all NOTAM (Aerodrome, Enroute and Warning) applicable to the selected Briefing Areas. In effect, this is the same as requesting an Area Briefing.

For example, selecting Briefing Areas NZ07 and NZ08, and then clicking on 'Continue' resulting in the following output:



Clicking on the '**Expand**' option on the bottom navigation bar will expand all NOTAM reports.

Clicking on the '**Update**' option on the bottom navigation bar will request an update and a pop-up will give the number of NOTAM reports that have been updated or changed.

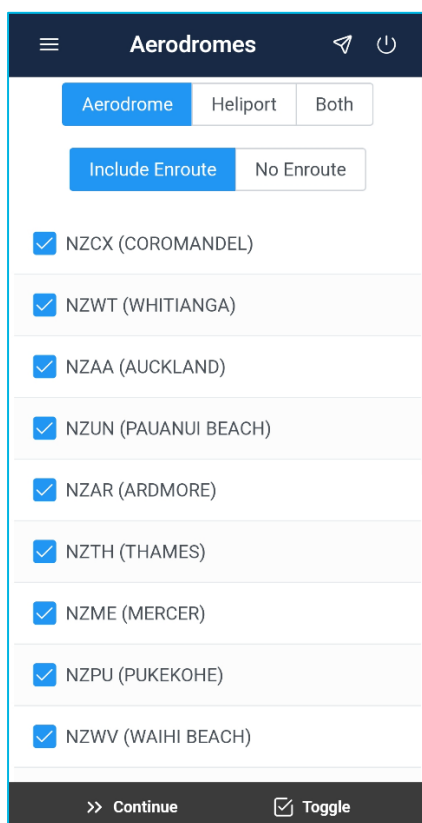
Clicking on the '**Favourite**' option on the bottom navigation bar will provide an option to 'Save Favourite' so that the selections in the request can be saved and then loaded in the future to reduce user input on the NOTAM selection screens.

Note: The 'Expand', 'Update' and 'Favourite' options apply to all NOTAM request results – unfiltered or filtered (see below).

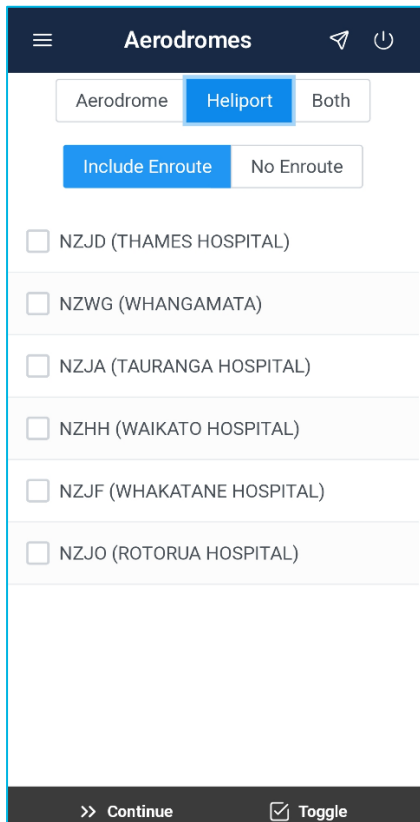
Filtered NOTAM request (Route Briefing):

Selecting one or more Briefing areas on the 'Briefing Areas' screen and then clicking on the 'Filter' option on the bottom menu bar will result in an 'Aerodromes' screen being displayed where:

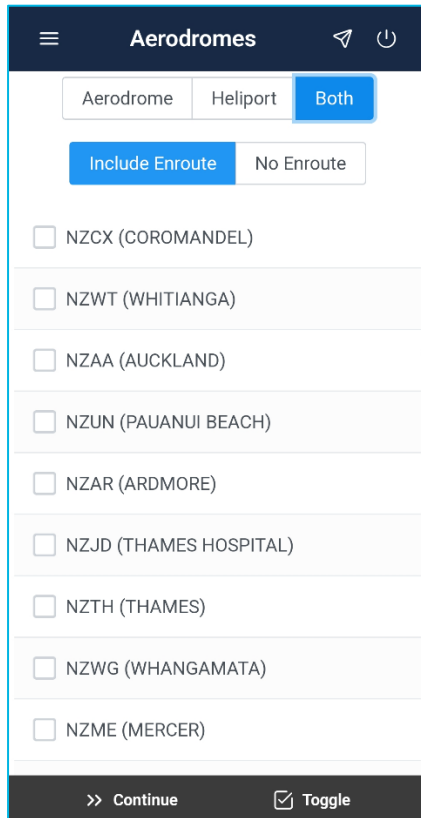
- The 'Aerodrome' option is selected by default (rather than 'Heliport' or 'Both')
- The 'Include Enroute' option is selected by default (rather than 'No Enroute')
- All listed aerodromes in the chosen Briefing areas are selected.



Clicking on the 'Heliport' option will replace the list of selected Aerodromes with an unselected list of all Heliports in the Briefing Areas that were chosen.



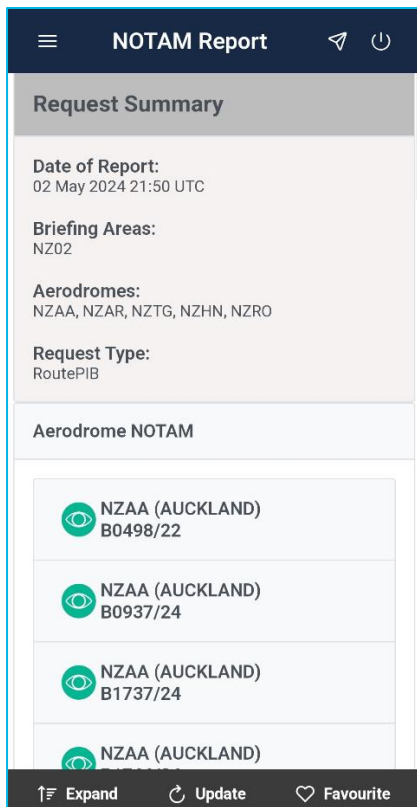
Clicking on the 'Both' option will replace the list of selected Aerodromes with an unselected list of all Aerodromes and Heliports in the Briefing Areas that were chosen.



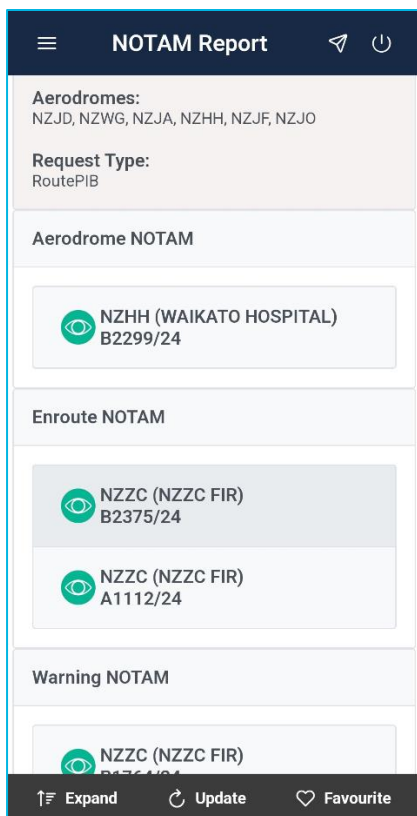
The list of Aerodromes, Heliports or Both can then be used to select the locations for which NOTAM reports are required.

If the 'Include Enroute' is left selected and the 'Continue' button is clicked, then in effect a Route briefing is requested.

For example, if locations NZAA, NZAR, NZTG, NZHN and NZRO were selected for Briefing Area NZO2 and the request was submitted with 'Include Enroute', then the resulting 'NOTAM Report' page would typically look like:



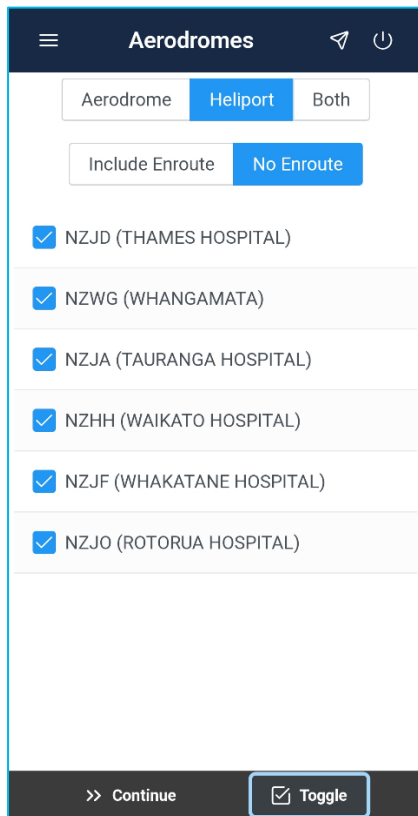
The following example shows the inclusion of the Enroute and Warning NOTAM on the 'NOTAM Report' Page:



Filtered NOTAM request (Aerodrome Briefing):

If the 'No Enroute' option is selected on the 'Aerodromes' page and the 'Continue' button is clicked, then in effect an Aerodrome briefing is requested.

For example, the following screenshot of the 'Aerodromes' page shows the 'No Enroute' and 'Heliports' options selected, and the 'Toggle' button having been used to select all heliports in the list:



Clicking on the 'Continue' button will result in Enroute and Warning NOTAM being excluded from the returned 'NOTAM Report' page, e.g.:

☰ NOTAM Report 🔍 ⏻

Request Summary


Date of Report:
02 May 2024 21:55 UTC

Briefing Areas:
NZ02

Aerodromes:
NZJD, NZWG, NZJA, NZHH, NZJF, NZJO

Request Type:
AerodromePIB

Aerodrome NOTAM

 NZHH (WAIKATO HOSPITAL)
B2299/24

End of Report

⏶ Expand ⏻ Update ❤ Favourite

GPS RAIM Predictions

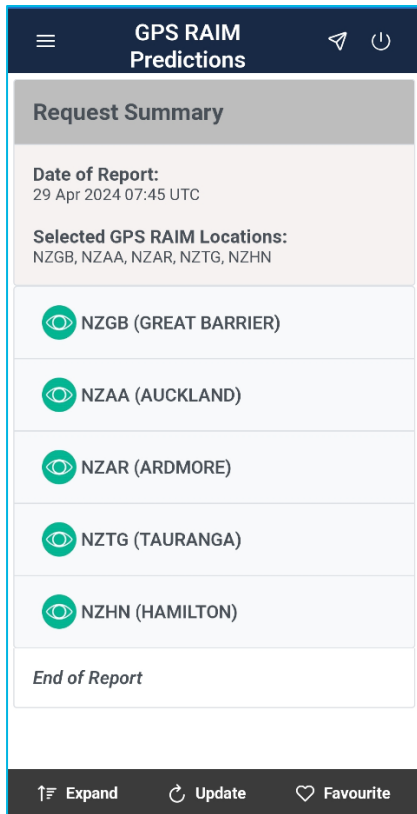
IFISMobile users can now access GPS RAIM Prediction reports.

Selecting the 'GPS RAIM Predictions' option on the landing page will result in the display of a 'GPS RAIM Locations' page with a list of all locations for which GPS RAIM Prediction data are usually available. The list is ordered North to South with no locations selected:

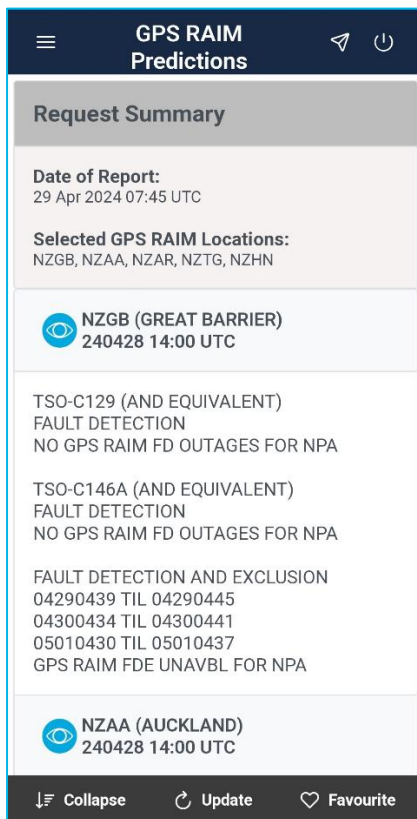


Selecting one or more locations (or selecting all of them by clicking on the 'Toggle' button), and then clicking on the 'Continue' button will result in a 'GPS RAIM Predictions' page being displayed containing results for all the selected locations.

For example, if locations NZGB, NZAA, NZAR, NZTG and NZHN were selected on the 'GPS RAIM Locations' page then the results page would contain:

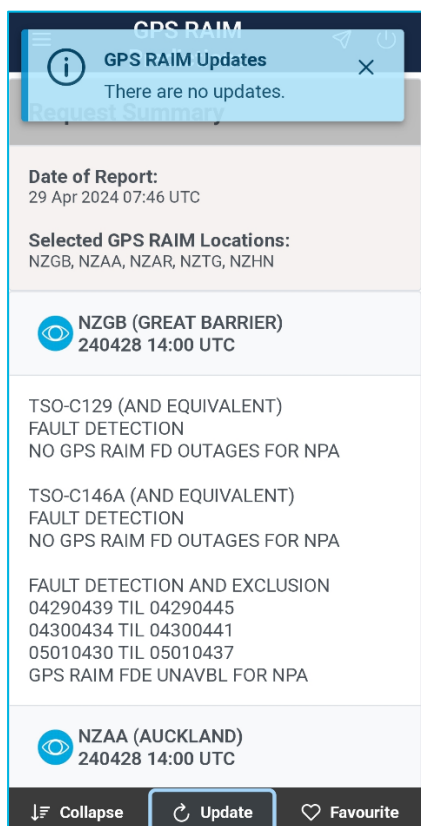


Individual reports can be viewed by clicking on the green icons, or all of the reports can be viewed by clicking on the 'Expand' button:



Clicking on the 'Update' button will check for any GPS RAIM Prediction reports for the selected locations which have been updated since the original request was processed.

Note, that GPS RAIM Prediction reports are only scheduled for update at 1400 UTC each day. *Ad hoc* updates at other times of the day are extremely rare. As such, in most instances checking for updates will result in no updates being returned:

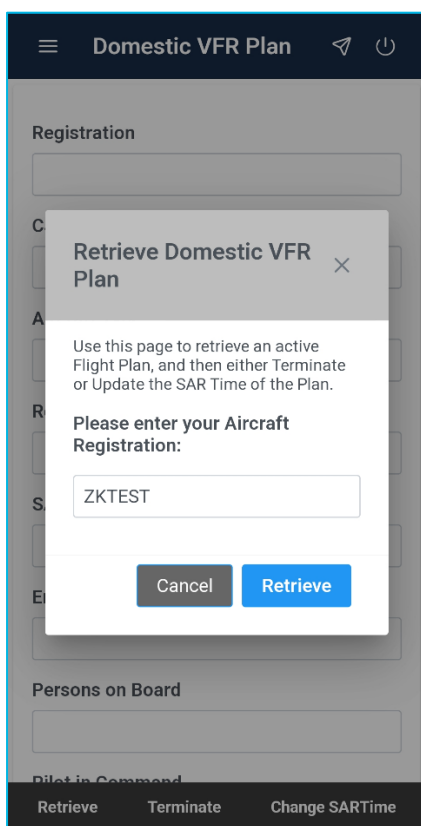


When a GPS RAIM Predictions page is displayed in response to a user's request, clicking on the 'Favourite' button will prompt the user to save a favourite which can then be loaded at a later stage to populate a preferred list of selected GPS RAIM locations prior to making a request.

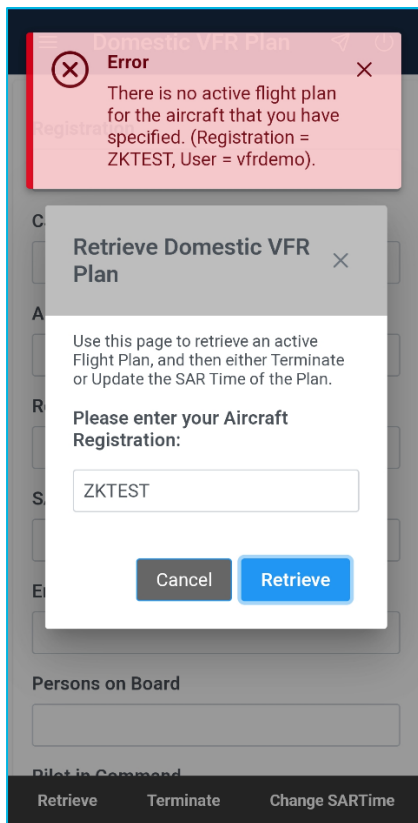
Domestic VFR Plans

Domestic VFR Plans activated on IFIS can now be retrieved and actioned on IFISMobile 2. To get started you must set your IFIS username under the User Details tab. Once your IFIS username has been set you can access the Domestic VFR Plan page from the homepage.

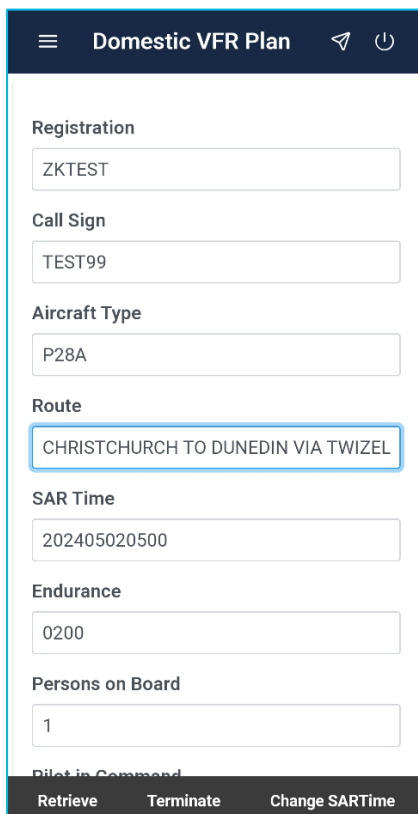
When accessing the Domestic VFR Plan page, you will be prompted to enter your Aircraft Registration so that any active domestic VFR flight plan for that aircraft can be retrieved:



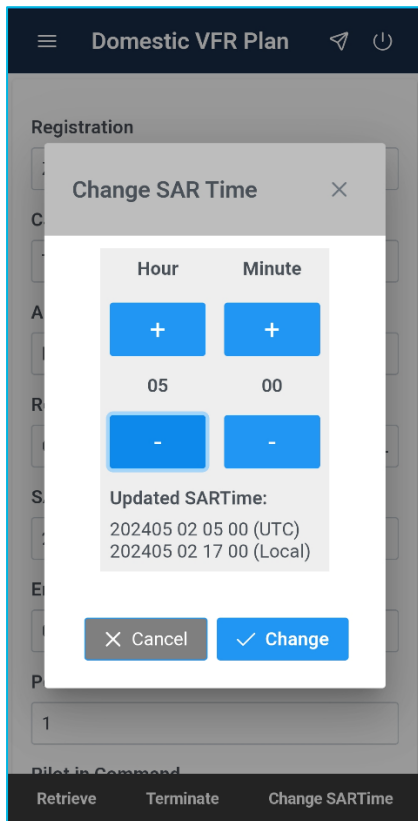
If there is no active VFR Flight Plan field for the specified Aircraft Registration value which has been filed under your IFIS username, then an error is returned:



If an active flight plan is retrieved you can view its details, terminate the flight plan, or change the SAR time:



Selecting the 'Change SAR Time' option will display a 'Change SAR Time' pop-up window:

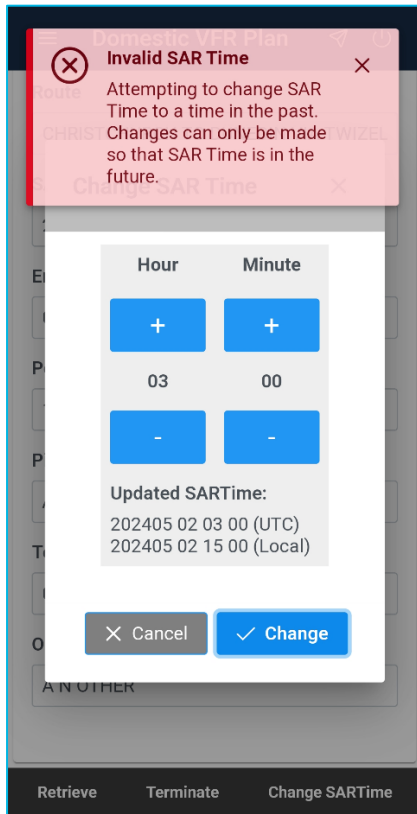


This allows the SAR Time Hour and Minute values to be modified using the '+' and '-' buttons.

Note: As changes are made, the date/time values under the 'Updated SAR Time' heading are updated so that the user can see the changed SAR Time in both UTC and Local Time.

Clicking on the 'Change' button will submit the Change SAR Time request.

If the updated SAR Time is in the past or beyond 14:00, i.e. beyond the change of local day, then an error will be flagged. For example, if a request is made to change an existing SAR Time of 0500, to a value of 0300, then the following error will be displayed:



If a valid SAR Time was entered, i.e. not beyond the next occurrence of 1400 UTC, then a 'Success' confirmation pop-up window is briefly displayed:

The screenshot shows a mobile application interface. At the top, there is a 'Domestic VFR Plan' header. A green 'Success' pop-up window is displayed, containing a checkmark icon and the text: 'The SAR Time has been changed, you should receive a confirmation email shortly.' Below the pop-up, the form fields are: SAR Time (202405020600), Endurance (0200), Persons on Board (1), Pilot in Command (A N OTHER), Telephone (012 345 6789), and Operator (A N OTHER). At the bottom, there are three buttons: 'Retrieve', 'Terminate', and 'Change SARTime'.

An example of the email sent to confirm the VFR Flight Plan SAR Time change is as follows:

SAR Time changed for current active VFR Plan for IFIS User xxxxxxxx

Updated VFR Plan details:

Registration: ZKTEST

Call Sign: TEST99

Aircraft Type: P28A

Route: CHRISTCHURCH TO DUNEDIN VIA TWIZEL

SAR Time: 202405020600

Endurance: 0200

Persons on Board: 1

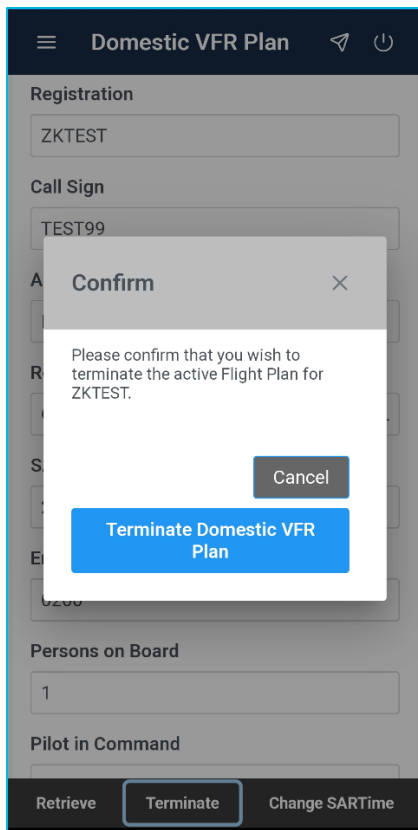
Pilot in Command: A N OTHER

Telephone: 012 345 6789

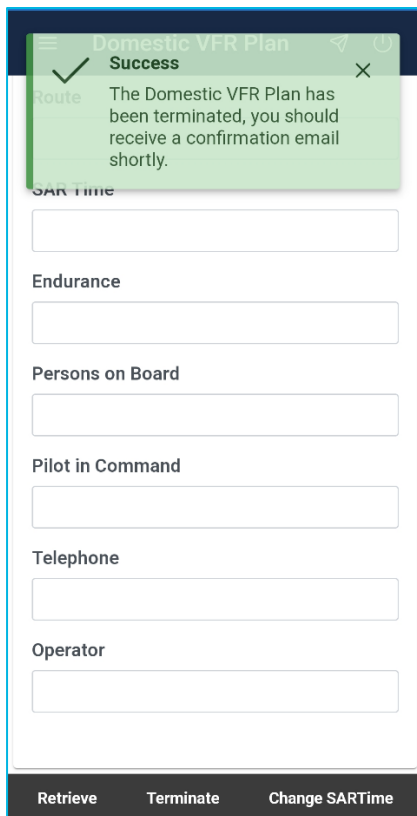
Operator: A N OTHER

Closing the pop-up window will show the updated VFR Flight Plan (with the updated SAR Time).

If a valid VFR Flight Plan is retrieved and the 'Terminate' option is selected, then a 'Confirm' pop-up window is displayed:



Clicking on the 'Terminate Domestic VFR Plan' button will submit the termination request. If the request is successful, then a 'Success' confirmation pop-up window is briefly displayed:



Note that the VFR Plan data is cleared from the screen as there is no longer a valid VFR Plan for the supplied Registration value.

An example of the email sent to confirm the VFR Plan termination is as follows:

The current active VFR Plan for IFIS User xxxxxx was terminated.

Terminated VFR Plan details:

Registration: ZKTEST

Call Sign: TEST99

Aircraft Type: P28A

Route: CHRISTCHURCH TO DUNEDIN VIA TWIZEL

SAR Time: 202405020500

Endurance: 0200

Persons on Board: 1

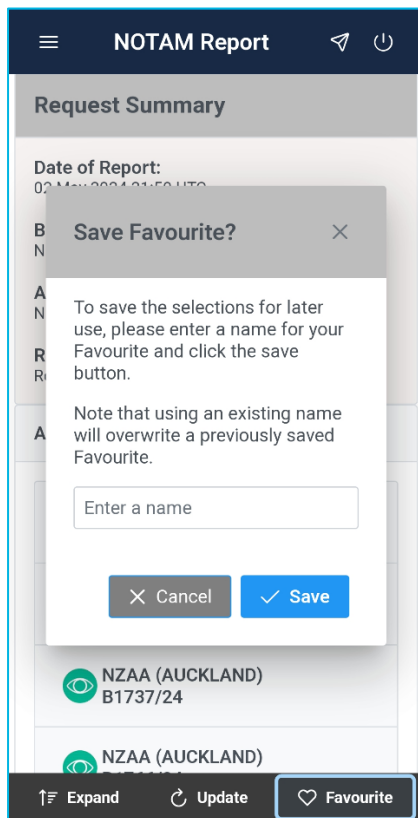
Pilot in Command: A N OTHER

Telephone: 012 345 6789

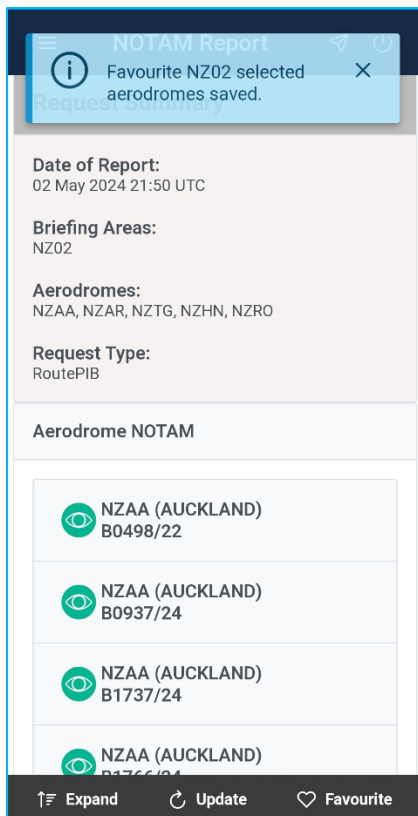
Operator: A N OTHER

Favourites

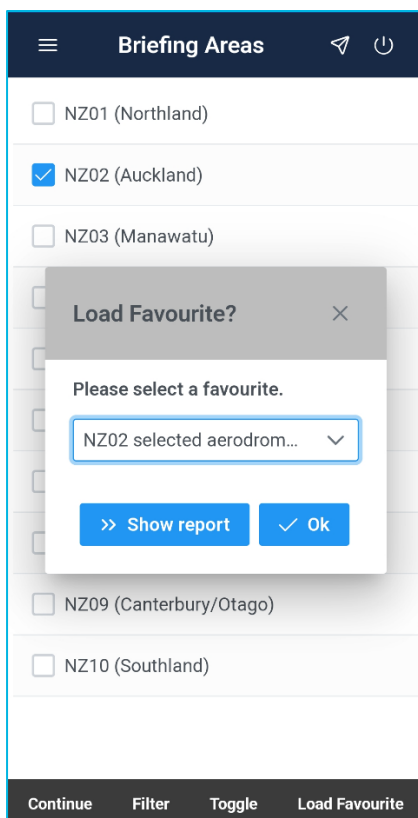
Favourites allow you to save selections for MET, NOTAM, and GPS RAIM options. Once you have generated a report for MET, NOTAM, or GPS RAIM, you can save a favourite by clicking 'Favourite' in the bottom-right of the application. You will then be prompted to enter a name for the favourite. For Example, clicking the 'Favourite' button on the 'NOTAM Report' page would result in:



Entering a name (e.g. 'NZ02 selected aerodromes') and then clicking on 'Save' would result in a temporary pop-up confirming that the favourite has been saved:

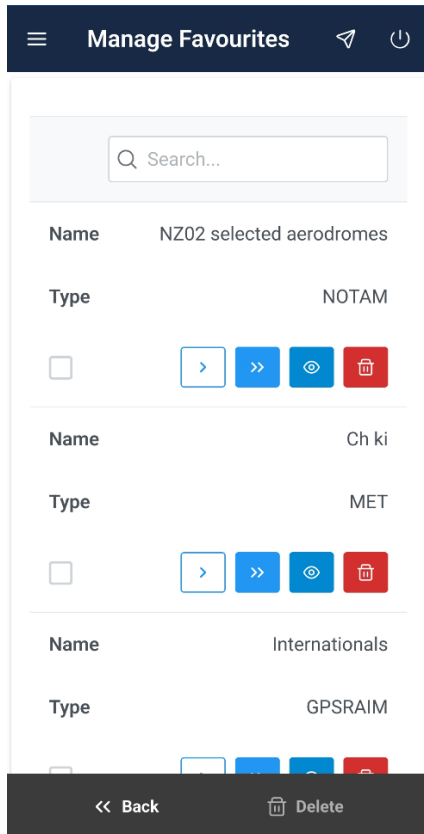


To load a favourite click 'Load Favourite' when on the MET, NOTAM, or GPS RAIM pages. You can then select a favourite from a dropdown list of saved favourites:



Clicking 'Show report' will generate a report, whereas clicking 'Ok' will load the selections from the favourite, allowing you to make changes to the loaded selections.

A list of all your favourites can be found on the 'Manage Favourites' page (accessed from the navigation bar):



Entering part of a favourite's name will display all favourites that contain the entered substring in their name.

For each displayed Favourite, there are four action icons:



Click on this icon to load a favourite*.



Click on this icon to use the favourite to generate a report*.



Click on this icon to view the favourite.



Click on this icon to delete the favourite*.

* In each of these cases, you will be prompted to confirm your selected action.