



# Collins Aerospace

## ARINCDirect<sup>SM</sup> NextGen Flight Planning Version 1.4 Release Notes – May 2023

Collins Aerospace and ARINCDirect are committed to continuous improvement of our products and services to the aviation community. Release Notes are provided to inform about new and modified features and any bug fixes. As always, we encourage your feedback. For questions or concerns, please contact us at 1-866-321-6060 (International: +1 410-266-2266) or email [flightops@arinc.com](mailto:flightops@arinc.com).

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# 1. Introduction

The Next Generation Flight Planning application through ARINCDirect is accessible on **Izon**. ([Izon FAQ](#) and [Setup Guide](#)). The features below represent the initial release and foundation for regular releases of additional enhancements for the application going forward. **The NextGen Flight Planning application introduces a new concept of legs along with multiple flight plans possible per leg and the capability within these legs will grow as the application increases in functionality. This application is designed to work on desktop, mobile and tablet.**

## Supported browsers and devices:

	Mobile		Tablet	Desktop	
	iPhone	Android	iPad	Windows	Mac
<b>Chrome</b>		X		X	X
<b>Safari</b>	X		X		X
<b>OS version</b>	The most current version of the OS for that category				
<b>Orientation</b>	Portrait Landscape (limited*)		Portrait Landscape	Desktop	

## 2. Leg List

The **Leg List**, accessible via the icon on the left-hand navigation rail, provides a sortable, filterable list of legs generated in both the legacy ARINCDirect flight planning tool and this NextGen Flight Planning tool. Legs created by flight plans computed in the legacy ARINCDirect tool are tagged with a LEGACY badge. **The Leg List serves as not only a view of full breadth of leg and flight plan activity but also a future launching point for actionable steps from the leg (or flight plan) and vital information display space.**

The screenshot displays the 'Legs' interface with a table of flight legs and a 'Filters' sidebar on the right. The table columns are: TAIL/FLIGHT ID, RECALL NO., DEPARTURE, ETD, and ARRIVAL. The table contains 8 rows of flight data, including details like aircraft type (Dassault Falcon 7X), departure/arrival airports, dates, and times. A 'LEGACY' badge is present on several rows. The filters sidebar includes sections for AIRCRAFT, DEPARTURE AIRPORT, ARRIVAL AIRPORT, ETD DATE 2, PILOT IN COMMAND, and SECOND IN COMMAND, each with a search or selection field. At the bottom of the sidebar are 'CLEAR' and 'APPLY' buttons. The main interface also includes a navigation rail on the left with 'Legs' and 'Leg List' options, and a footer with 'Last updated 09 May 2023 19:49 Z' and 'Page 1 / 53 (1-10 of 526)'.

TAIL/FLIGHT ID	RECALL NO.	DEPARTURE	ETD	ARRIVAL
ADCF7X Dassault Falcon 7X	85717	RJCC Chitose, Hokkaido Island, Japan	Apr 1, 2024 00:00Z 09:00L	WVIS Ho Chi Minh, Vietnam
ADCF7X Dassault Falcon 7X	M7227	KSAN San Diego, CA, United States	Jan 1, 2024 00:00Z 16:00L	KILM Wilmington, NC, United States
ADCF7X Dassault Falcon 7X	59370	KMTH Marathon, FL, United States	Jan 1, 2024 00:00Z 19:00L	KDBQ Dubuque, IA, United States
AD123X Dassault Falcon 900EX	E4494	KDPA Chicago, IL, United States	Oct 2, 2023 13:43Z 08:45L	KF45 West Palm Beach, FL, United States
NG550 Outstream 0550	G2308	ESSB Stockholm, Sweden	Oct 1, 2023 00:00Z 02:00L	KTEB Teterboro, NJ, United States
FYEX Dassault Falcon 900EX	-----	KOSP Greer, SC, United States	Sep 1, 2023 17:00Z 13:00L	EIDW Dublin, Ireland
FYEX Dassault Falcon 900EX	X0387	KBGR Bangor, ME, United States	Sep 1, 2023 00:00Z 20:00L	KOSP Greer, SC, United States

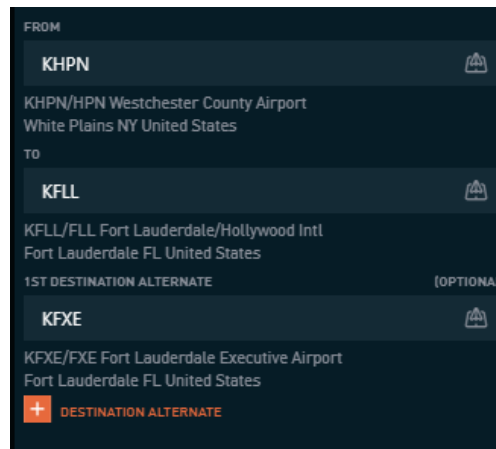


## 5. Leg Builder

Upon opening the NextGen Flight Planning application, the landing page consists of the Leg builder and map.

### Alternates

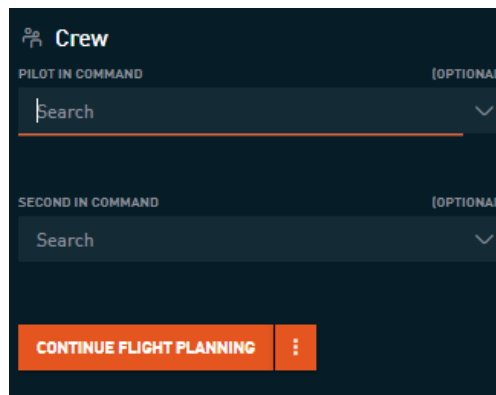
To add a first or first and second destination alternate, click on the 'Destination Alternate' option below the destination field and type in the alternate airport choice. **A future enhancement to alternates will include the option for system suggested alternates as well as planning of Takeoff alternate, ETP and ETOPS.**



The screenshot shows the 'FROM' field with 'KHPN' selected, corresponding to 'KHPN/HPN Westchester County Airport, White Plains NY United States'. The 'TO' field has 'KFL' selected, corresponding to 'KFL/FLL Fort Lauderdale/Hollywood Intl, Fort Lauderdale FL United States'. Below the 'TO' field, there is a section for '1ST DESTINATION ALTERNATE' with '(OPTIONAL)' next to it, showing 'KFXE' selected, corresponding to 'KFXE/FXE Fort Lauderdale Executive Airport, Fort Lauderdale FL United States'. At the bottom of this section is a red button with a plus sign and the text 'DESTINATION ALTERNATE'.

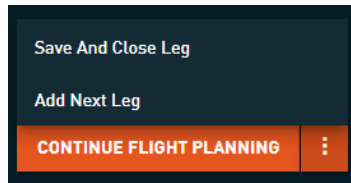
### Crew

**Crew** represents a new workflow order for entering in the PIC and /or SIC of a flight. At this phase, it is optional to include.



The screenshot shows the 'Crew' section with a search bar for 'PILOT IN COMMAND' and 'SECOND IN COMMAND', both marked as '(OPTIONAL)'. Below the search bars is a red button labeled 'CONTINUE FLIGHT PLANNING' and a vertical ellipsis menu icon.

There are three (3) actions available via the **Continue Flight Planning** button at the bottom of the form: the flight planning workflow can continue with **Continue Flight Planning**, or the leg may be saved with provided parameters with **Save and Close Leg**, or the leg may be saved and the form may be populated with parameters for the next leg setting the previous destination as the departure airport with **Add Next Leg**.



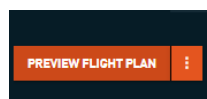
### Compare Routes and Route Table

Selecting '**Compare Routes**' presents the Routes table overlaid atop the base map. Several new datapoints are available with each route: **ETD**, **ETA**, **FOB**, **Takeoff Weight** and **Landing Weight**, and while hovering over the route type, metadata applicable to the route type (e.g., number of times cleared in last 24 hours) will display.

Routes														
<input type="checkbox"/>	AUTO-GEN	RW29	DCT	REV	DCT	ATR	DCT	ORF	DCT	SAGGY	AR19	MAJIK	CUUDA2	RW28L
		ETD	ETA	ETE	BURN	CRUISE	FL	DIST	FOB	TAKEOFF	LANDING			
		21.00 Z	23:26 Z	2+26	7492 lbs	M84	430	974 nm	9484 lbs	57984 lbs	50492 lbs			
<input type="checkbox"/>	ATC ☆ H	RW16	DCT	WHITE	Q409	CRPLR	DCT	KOOKI	Q133	CHIEZ	Y291	MAJIK	CUUDA2	RW28L
		ETD	ETA	ETE	BURN	CRUISE	FL	DIST	FOB	TAKEOFF	LANDING			
		21.00 Z	23:27 Z	2+27	7563 lbs	M84	430	983 nm	9569 lbs	58069 lbs	50496 lbs			
<input type="checkbox"/>	ATC ☆ H	RW16	DCT	WHITE	Q409	CRPLR	DCT	PAACK	Q97	PRMUS	CUUDA2		RW28L	
		ETD	ETA	ETE	BURN	CRUISE	FL	DIST	FOB	TAKEOFF	LANDING			
		21.00 Z	23:36 Z	2+36	7889 lbs	M84	430	1041 nm	9901 lbs	58401 lbs	50512 lbs			

### Preview Flight Plan

Upon clicking the **Preview Flight Plan** button, the flight plan will compute and display within the **Document Viewer**.

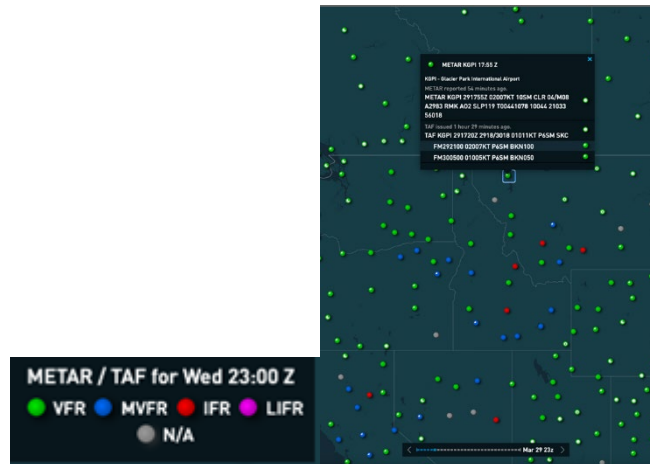


## 6. Map

NextGen Flight Planning offers two new map layers: **METARS layer** and **Echo Tops Layer**

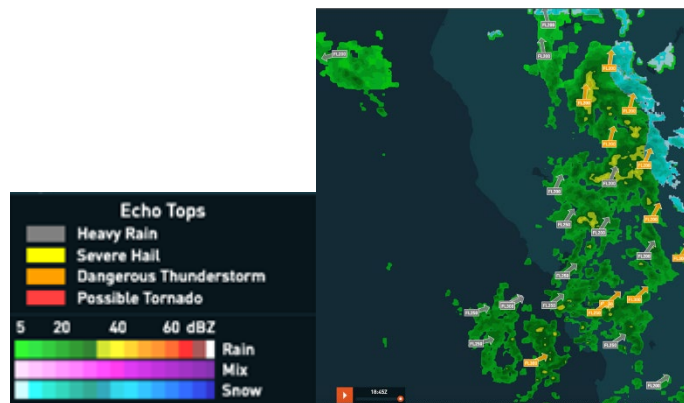
### METARs layer

**METARs layer**, which presents a color-coded ball depicting actual (METAR) or forecasted (TAF) conditions for each location available, is available in the Radar/Satellite layer category. This layer is global.



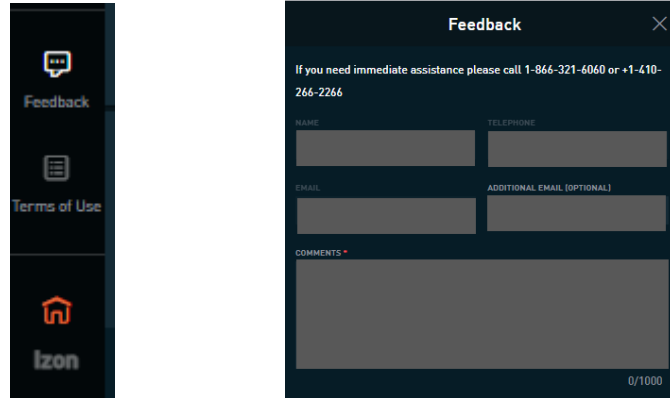
### Echo Tops layer

The **Echo Tops layer** depicts not only tops of convection but also direction of movement with arrow and severity of precipitation with color coding. The legend provided helps identify precipitation type or potential severe weather phenomena. The **Echo Tops layer** includes data for the U.S. only.



## 7. Feedback

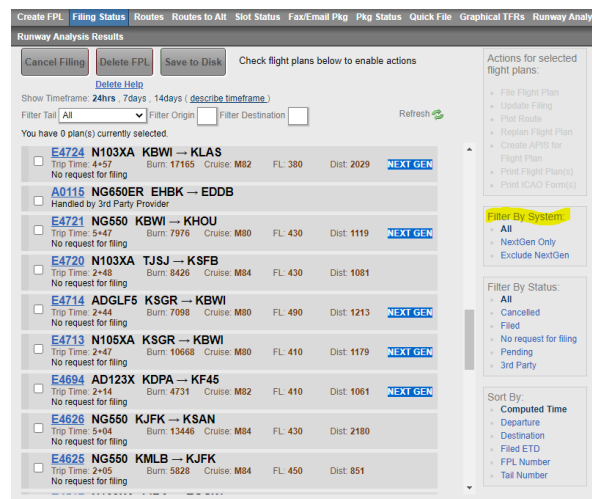
Alongside the left-hand navigation rail exists the ability to provide application **Feedback**.



## 8. NextGen and Legacy Flight Planning Working Together

While we continue to develop NextGen Flight Planning, you maintain the ability to follow through with key features still in Legacy Flight Planning.

In legacy flight plan system, NextGen flight plans are displayed, and can be sorted, replanned, filed, and included in a package, etc.



As always, we encourage your feedback. If you have any questions or concerns, please contact us at 1-866-321-6060 (International: +1 410-266-2266) or email [flightops@arinc.com](mailto:flightops@arinc.com).