



Collins Aerospace

An **RTX** Business

ARINCDirectSM NextGen Flight Planning

Frequently Asked Questions

Purpose

This document provides guidance on frequently asked questions about NextGen Flight Planning.

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Revision History

Revision	Date	Note
1.0	22 MAY 2023	Initial issue.
2.0	3 OCT 2023	Added section for Features and content related to Replan/Echo Tops release.
3.0	16 OCT 2023	Updated Vision and Features sections.
4.0	7 FEB 2024	Made further updates to Vision and Features sections.
5.0	23 JUL 2024	Updated Features section – Aircraft Profile
6.0	8 AUG 2024	Updated Features section – Custom Route
7.0	1 OCT 2024	Updated Features section – Rubberbanding

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NextGen Flight Planning Basics

1. What is NextGen Flight Planning?

NextGen Flight Planning is a new product from ARINCDirect to allow for not only a cleaner, up-to-date look and feel, but also a platform to reveal new and cutting-edge features available from our flight planning engine.

2. Why are these features beneficial to ARINCDirect customers?

NextGen Flight Planning provides a simpler and more modern user interface with a prominent map and a sophisticated engine. As continuous features are released, capabilities not possible with the legacy flight planning tool will be brought forward.

3. What functionality does NextGen have/will have that current, legacy ARINCDirect flight planning does not?

The first iteration of the NextGen Flight Planning application will be focused on improved workflows with a few enhanced features that are inherent to the flight planning engine. In addition, we are introducing a new Leg-based Concept that will bring additional value as our product suite advances. The new features specific to flight planning include: Plan by ETA and/or Zulu or Local Time, New mapping features such as METAR layer and Echo Tops layer, advanced features to assist in smarter flight planning, and improved guidance to include in the future.

4. I am not seeing all the features and functionality that I am accustomed to in the legacy ARINCDirect flight planning tool, what gives?

The development of the NextGen flight planning solution will be an ongoing process, the first iteration is focused on providing basic flight planning which will enable the ability to compute a flight plan and store it in the system. We are working hard to bring additional features forward as fast as possible, with the next feature being the ability to file. In the meantime, we are tying this experience to the legacy ARINCDirect suite of products, so anything created in NextGen is accessible on the legacy ARINCDirect website. This will allow you to use the new system for planning and use the products that are not currently available in NextGen on the legacy system. Replanning a NextGen Flight Plan in the Legacy system will convert the flight plan to a Legacy flight plan which means that in NextGen the flight plan becomes view only.

5. Does NextGen Flight Planning replace the ARINCDirect iPad application?

No, the ARINCDirect iPad application, featuring filing flight plans and the plotting chart are not going to be replaced with the NextGen Flight Planning. Eventually, NextGen Flight Planning will be replacing the current ARINCDirect website flight planning functionality. For

some time, the NextGen Flight Planning Application and the Legacy flight planning website will both be available side by side until features within NextGen Flight Planning are expanded.

6. Will NextGen Flight Planning work on mobile and tablet devices?

The vision for NextGen Flight Planning is to be simple and functional. With that in mind, all the capabilities from the desktop version of the application are also available on tablet and mobile phone devices making it easier for you to plan on the go. Supported devices and browsers will be included in the release notes.

Accessing NextGen Flight Planning

7. Who will be able to view these new features?

Current ARINCDirect flight planning subscribers have access to NextGen Flight Planning through Izon.

8. How is Flight Planning accessed?

ARINCDirect flight planning subscribers must first create an Izon account if one is not already set up. From there, Flight Planning is an available application in the Izon store. Izon enables single sign-on for all applications, so once the account is set up, access to the Flight Planning application is as easy as clicking on the Flight Planning tile.

9. Is NextGen Flight planning available to only ARINCDirect flight planning subscribers?

At first release, the NextGen Flight Planning application is only available to current ARINCDirect flight planning subscribers.

10. How much does it cost?

The NextGen Flight Planning application is included as part of an existing ARINCDirect Flight Planning subscription.

11. Do the users have to do anything special for NextGen Flight Planning to work?

ARINCDirect flight planning subscribers must first create an Izon account if one is not already set up ([Izon FAQ](#) and [Setup Guide](#)). Users must link their current ARINCDirect

account in the Izon account setup process. Once this is complete, existing Flight Planning subscribers will see the Flight Planning tile added to their application toolbar. Single sign-on will allow the user to access Flight Planning with one click. Non-flight planning subscribers can learn more about the Flight Planning application from the Izon store.

NextGen Flight Planning Vision

12. Will NextGen Flight planning include all the functionality of current, legacy ARINC Direct flight planning?

The first releases of NextGen Flight Planning are foundational and will not include all features found in ARINC Direct Flight Planning. As continuous releases are delivered, expanded functionality along with a more modern approach to many of the legacy features will be included.

13. What are the next set of features on the roadmap?

Features and Capabilities we are delivering in the upcoming releases include:

- ETP & ETOPS
- Airport Suitability
- Flight Brief
- Alerting
- Update Filing
- Weight and Balance

In addition, we will be expanding upon the features already available in NextGen Flight planning and gathering feedback to determine the prioritization of future enhancements.

NextGen Flight Planning Features

14. How does Replan work in NextGen Flight Planning?

Replan in NextGen Flight Planning will only overwrite the existing recall number if the flight plan is saved. Replan prohibits the change of departure airport or destination airport. If the departure airport or destination airport needs to be altered, a new plan should be created and saved which will generate a new recall number. Replan of a Legacy Flight Plan is not permitted within the NextGen Flight Planning application.

15. Why can't I modify the route on the filing page?

Editing flight plan parameters from the filing page will be limited to prevent flight plan and

flight plan filing mismatch as much as possible. If the route must be changed, the best practice is to create a new plan with the adjusted route. If this new route is to be filed, then any previous filing of a different route for the same tail, city pair, and ETD must first be canceled. At this time, the Legacy flight planning tool allows for the modification of the route upon filing.

16. How do I update Equipment Codes for filing a flight plan?

For the first release of filing a NextGen flight plan, the equipment codes shown are “view only” on the filing page. In a future enhancement, equipment codes will be modifiable not only on the filing page but also on the flight planning workflow. To modify the equipment codes, see the Tail profile. The use of the Legacy tool to file a flight plan still allows this for a NextGen flight plan at this time.

17. How do I update or cancel a filed NextGen flight plan?

Updating a filed NextGen flight plan within the NextGen Flight Planning application is planned for a future release. To accomplish this now, using the Legacy tool is required.

Canceling a filed flight plan is available from the Leg List, Leg Details, and Document Viewer.

18. What do I need to do to enable the Airport Suitability Report?

Company admins shall access the Aircraft Profile section within the NextGen Flight Planning application to enter the Airport Suitability parameter thresholds for each aircraft in the fleet. These parameters include:

- Max Crosswind
 - Dry
 - Wet
 - Autoland
- Max Tailwind
- Max Tailwind Autoland
- Headwind
- Pressure Altitude
- Elevation
- Approach Speed Category
 - Max Approach Angle
- Landing Category
- Runway Width/ Slope / Length (auto-populated by database and modifiable; not backward compatible)
- RFF
- RVR (view only; auto-populated by database and modifiable in legacy system)

19. How do I build a Custom Route with advanced features?

5-Character Lat/Long Format

WHOLE DEGREE OF LATITUDE*				
Latitude	Longitude	Format	Lon > 99°	Examples
North	West	xyyy*N*	xx*N*yy	50N 010W is 5010N 50N 130W is 50N30
North	East	xyyy*E*	xx*E*yy	50N 010E is 5010E 50N 130E is 50E30
South	West	xyyy*W*	xx*W*yy	50S 010W is 5010W 50S 130W is 50W30
South	East	xyyy*S*	xx*S*yy	50S 010E is 5010S 50S 130E is 50S30
RLatSM Format*				
Latitude	Longitude	Format	Examples	
North	West	*H*xyyy	50° 30'N 010W is N5010°	

*Waypoint must first be present in the flight planning system

- Any entered point must be preceded and followed by either D, d, DCT, or dct
- Waypoints must already be included in the navigation database for use in computing a flight plan
- If the point is not included, it can be added by our Flight Planning Team

11-Character Lat/Long Format

Entered as **ddmm[N/S]dddmm[E/W]**

3605N14530W

- If a flight plan contains an 11-character ad-hoc waypoint(s), the computed Format will automatically configure the point(s) into 5-character pseudo points for FMS uplink purposes (ex. XX001, XX002, XX003, etc).

15-Character Waypoint Format

Entered as **ddmmss[N/S]dddmmss[E/W]**

470532N0093248E

- If a flight plan contains a 15-character ad-hoc waypoint(s), the computed Format will automatically configure the point(s) into 5-character pseudo points for FMS uplink purposes (XX001, XX002, XX003, etc.).

Cruise Mode Change - /CZ

Entered as /CZ### (or /CZ##### for indicated Mach, if available) immediately after the point where you want to begin planning with a different cruise schedule.

KELSO/CZM80 or **BAL/CZM83** (**BAL/CZIM83** if requesting indicated mach)

Cruise Mode must be:

- Valid for the selected tail
- Entered as **Mach Number** only
- Entered EXACTLY as it is listed in the Cruise dropdown menu

Flight Level and Cruise Mode changes can be combined and used simultaneously.

BAL/FL350/CZM80

Flight Level Change - /FL

Entered as /FL### immediately after the point where you want your step climb/descent to **begin**.

3605N14530W/FL340

Flight Level and Cruise Mode changes can be combined and used simultaneously.

BAL/FL350/CZM80

Radial/DME Intercept

- Entered as a valid fix/navaid (2-5 chars), followed by radial and distance: NNNrrrddd, NNrrrddd or FIXrrrddd"
- Radial must be 3-digits 000-359
- DME must be 3-digits 001-999
- Waypoint must have either d, D, dct or DCT on both sides.

DCT LDN275046 DCT

Radial/Radial Intercept

- First navaid and radial followed by second navaid and radial
- Each radial/radial intercept must be separated by either d, D, dct, or DCT
- Radial must be 3-digits 000-359

DCT HQM220 UBG290 DCT

20. How can I edit a route from the map (also known as Rubberbanding)?

Editing via the map can be engaged by the same Edit Route (i.e. 'pencil icon') located on the right-hand side of the route in the route pane. Once selecting this icon, whether working on a desktop, mobile, or tablet device, you can click on the route at any given point and drag/ drop the route in a new location to edit the route. Nearby lat/lon points or named waypoints will now be displayed on the map for your ease of selection. All changes driven by Rubberbanding will be reflected in real-time in the Custom Route box below in the route pane. Once you are finished editing, select the green check mark to proceed as with any custom route to save the route to the route table.

NextGen Flight Planning Support

21. How can I provide feedback or ask questions?

Within the application, there is a feedback icon at the bottom of the left-hand menu.

If you have any questions or concerns, please contact us at 1-866-321-6060 (International: +1 410-266-2266) or email ad-flightops@collins.com.