



Collins Aerospace

An **RTX** Business

ARINCDirectSM Flight Planning

Custom Route – August 2024

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PROPRIETARY
INFORMATION

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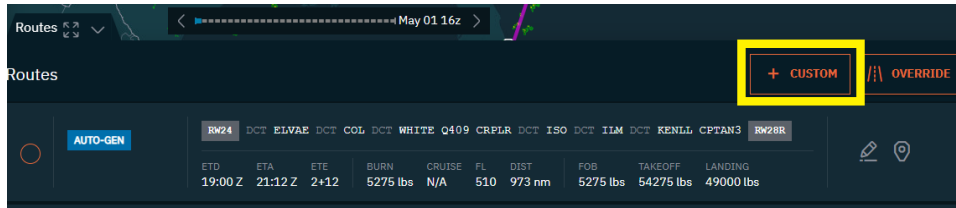
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Introduction

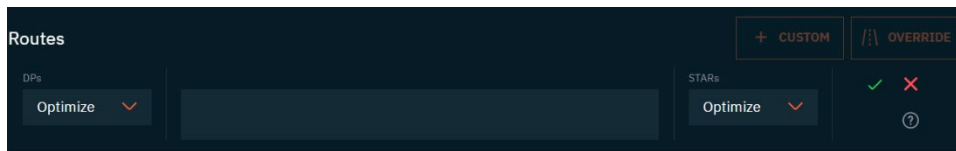
In this release, we have added the functionality allowing a user to create, store, edit, and delete a **Custom Route**. A future release for custom route will incorporate the ability to edit an existing route using an improved drag-and-drop feature via the map.

Creating and Saving a Custom Route

To create a **Custom Route** from scratch, select the CUSTOM button atop the route pane.



Select your departure procedure from the DPs list, type in your route text, and select your preference for arrival from the list of STARs. 'Optimize' or 'Direct' are also options for the beginning and end of the route.



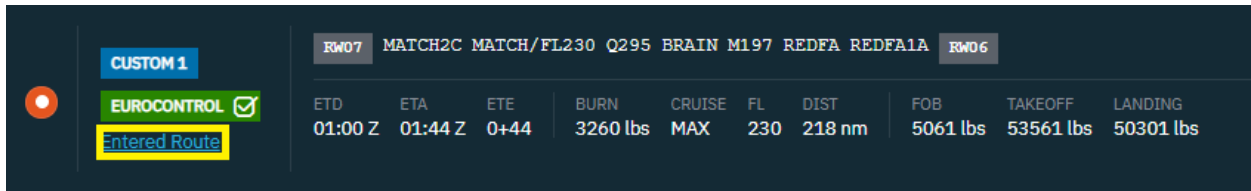
Functionality supported in typing in text of route includes:

1. Flight level changes
2. Cruise mode changes
3. Flight level with cruise mode change (at the same waypoint)
4. Radial/DME intercept
5. Radial/Radial intercept
6. Custom Lat/Lon (5, 11, 15 characters)

More information on how to format these advanced route options when creating a **Custom Route**, see the FAQs.

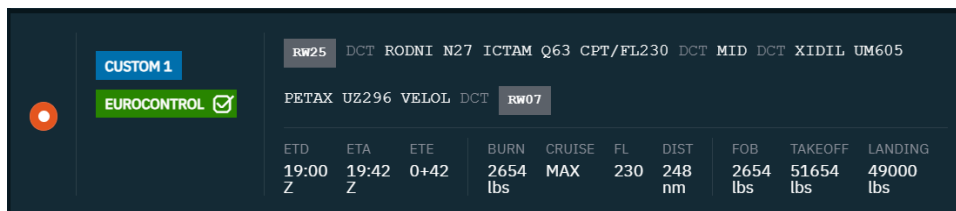
Entered Route Display

After saving a new **Custom Route**, a link will be provided in the route pane to view the user entered route.



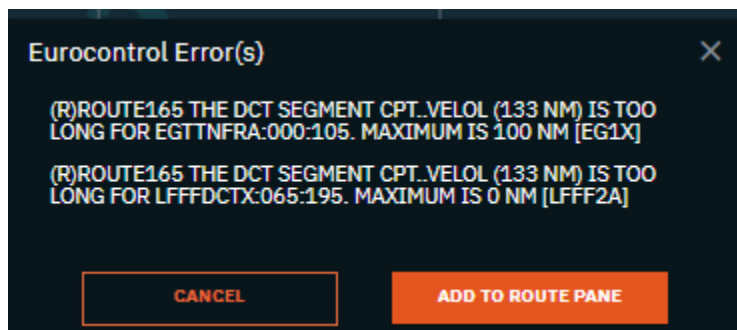
Eurocontrol Route Validation

Routes in the route pane will provide Eurocontrol validation status once computed. CFMU validation will occur upon saving a Custom Route if a portion of the route exists within the Eurocontrol airspace. Validation status will show with a green badge for pass and a red badge for failure.



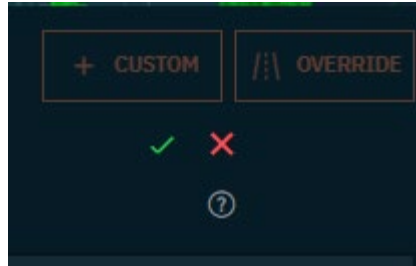
While attempting to save a route, you will be warned if the route you entered results in Eurocontrol validation errors. The option will be provided to cancel the addition of the route or add to the route pane, now allowing you to decide whether or not to keep the route rather than the previous legacy system implementation not providing the choice:

Example of error prompt and options:

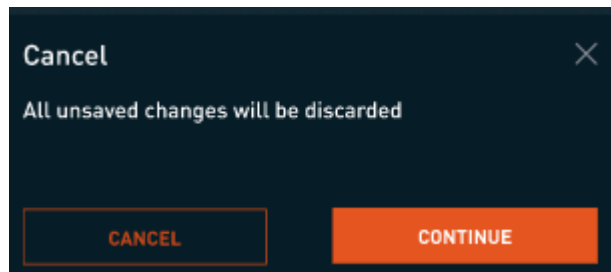


Cancelling the Custom Route

If during the **Custom Route** building process, you no longer want to create a custom route, select the red X to cancel the process and return to the route pane.



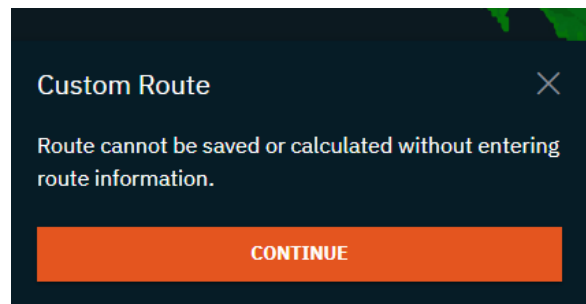
You will be warned of the loss of changes:



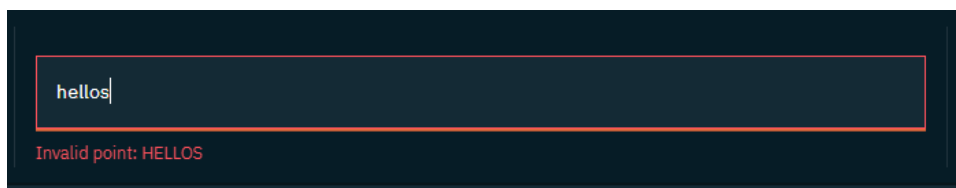
Validation Error Messages

If your route entry is not entered or accepted, you'll receive warnings or error messages to advise of an issue with your data entry. Examples:

Pop up warning:



In-line validation errors:

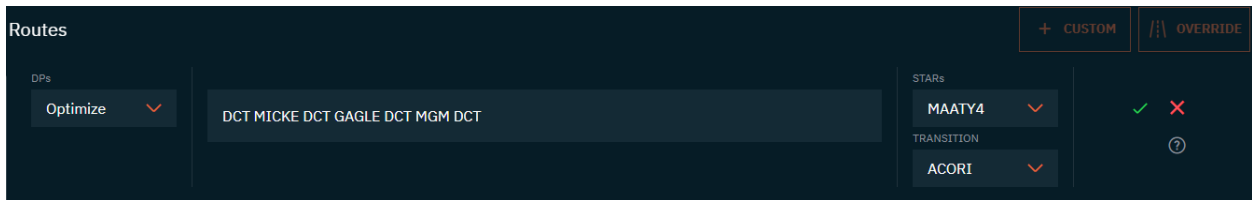


Editing an Existing Route

To use an existing route as a 'starting point' in creating a new **Custom Route**, select the pencil icon on the right side of the route display:

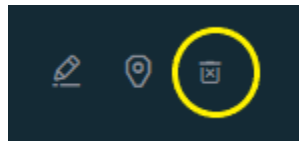


This will open a new **Custom Route** edit box with the route selected pre-populated for which editing can begin:



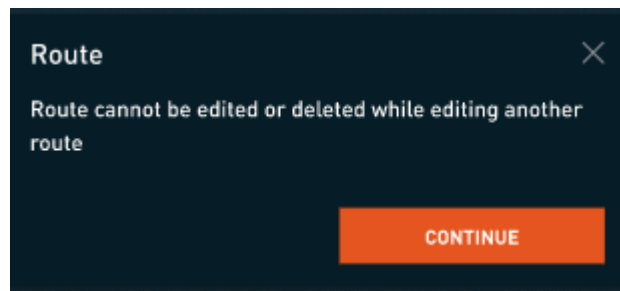
Deleting a Custom Route

To delete a **Custom Route**, click the trash can icon on the right--hand column of the route:



Click Continue when prompted if you are sure you want to delete the route.

Note that you cannot delete a **Custom Route** from the route table while editing another route. This prompt will appear:



Custom Route Help

When building a **Custom Route**, click on the ? Icon on the right-hand side of the route build box to access the **Custom Route** help:

Custom Route Help

- 5-Character Lat/Long Format**
- 11-Character Lat/Long Format
- 15-Character Lat/Long Format
- Cruise Mode Change - /CZ
- Flight Level Change - /FL
- Radial/DME Intercept
- Radial/Radial Intercept

5-Character Lat/Long Format

Whole Degree of Latitude

LATITUDE	LONGITUDE	FORMAT	LON > 99°	EXAMPLES
North	West	xxyyN	xxNyy	50N 010W = 5010N , 50N 130W = 50N30
North	East	xxyyE	xxEyy	50N 010E = 5010E , 50N 130E = 50E30
South	West	xxyyW	xxWyy	50S 010W = 5010W , 50S 130W = 50W30
South	East	xxyyS	xxSyy	50S 010E = 5010S , 50S 130E = 50S30

RLatSM Format

LATITUDE	LONGITUDE	FORMAT	EXAMPLE
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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 ad-flightops@collins.com