

ICAO Flight Plan filing will soon be required for Area Navigation (RNAV) routes

Effective June 5, 2008, the U.S. FAA Air Route Traffic Control Centers (ARTCCs) will begin accepting ICAO flight plan formats for domestic flight. The primary purpose is to automatically assign preferential routes based on the equipment capability filed in ICAO Flight Plan Form Item 10 (Equipment) in conjunction with the Area Navigation (RNAV) value specified by the user in ICAO Flight Plan Form Item 18 (Other Information). Use of the ICAO Flight Plan Form for domestic routes will be required for the following:

- RNAV Standard Instrument Departure (SID),
- RNAV Standard Terminal Arrival Route (STAR), and/or
- RNAV Point-to-Point (PTP).

Pilots may still use the domestic flight plan form if they do not desire the above preferential routes or do not meet the equipment capabilities to file preferential routes.

ICAO Flight Plan Form (FPL)

The domestic FPL can be mapped one-for-one to the ICAO form content except the following additional data must be included in the ICAO form:

- Item 8 - Type of Flight
- Item 9 - Wake Turbulence Category
- Item 10 - Transponder (in the Equipment section)
- Item 15 - True Airspeed
- Item 19 - Emergency Radio, Survival Equipment, Jackets, Diving Information and Safety Equipment remarks.

Users desiring automatically assigned preferential routes must file their maximum RNAV capability in ICAO FPL Item 10 and the appropriate RNAV accuracy value(s) in ICAO FPL Item 18, Remarks.

For Item 10 **Equipment** — In addition to identifying all available and serviceable communication, navigation, approach aid and surveillance equipment carried on your aircraft, select the character “Z”.

For Item 18, **Other Information** — Insert “NAV/RNV” followed by one or more of the following flight segment indicators:

- “D” for departure,
- “E” for en route, and/or
- “A” for arrival.

Follow each flight segment indicator with the appropriate RNAV accuracy value of “1” or “2” in accordance with FAA Advisory Circular (AC) 90-100A, U.S. Terminal and En Route RNAV Operations. An RNAV accuracy value of “1” would be indicated by “D1”, “E1” or “A1”, and RNAV accuracy value of “2” would be indicated by “D2”, “E2” or “A2”.

Examples of entries for maximum RNAV capability automatic assignment of preferential routing are:

- “NAV/RNVD1E2A1” would be eligible for automatic assignment of RNAV1 departure and arrival preferential routes, RNAV2 en route preferential routes, and PTP.
- “NAV/RNVE2” would be eligible for automatic assignment of RNAV2 en route preferential routes and PTP.

For PTP RNAV in accordance with FAA AC 90-45A, Approval of RNAV for Use in the U.S. National Airspace System, follow the en route flight segment indicator “E” with “99.” PTP RNAV eligibility would be indicated by “E99”. For example:

- “NAV/RNVE99” would be eligible for PTP RNAV, only.

CAUTION:

- No spaces are allowed between RNV, D1, A1 and/or E2
- NAV/RNAV is not acceptable in the U.S. domestic form, only NAV/RNV will be accepted.

CSC DUATS ICAO Form Enhancements

CSC DUATS will make the transition to the ICAO form easier for those users who have to file or prefer to file ICAO for domestic flights, by adding a new ICAO form. The new form will be available to our users on June 5. It will be labelled “Domestic ICAO” and will have extensive help and examples of entries available for each Item. The form will have extensive error checking and will help the user file an ICAO flight plan successfully. One thing to remember is that International ICAO form does not accept all the items required by the FAA for domestic RNAV flights, so make sure you use the domestic ICAO form for flights in the U.S.

Sun ‘n Fun—Free Software and Flight Planning Forum

Get your FREE Golden Eagle flight planning software at Sun ‘n Fun. The DUATS Program Manager, Leon Thomas, will be the presenter at the forum “DUATS-Free Automated Flight Planning On The Web” on Tuesday, April 8 at 10 a.m. in Tent #9, and Saturday, April 12 at noon in Tent #7. He will also present “DUATS-Free Advanced Golden Eagle For Flight Planning” on Wednesday, April 9 at 1 p.m. in Tent #4,

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Thursday, April 10 at 9 a.m. in Tent #2, and Friday, April 11 at noon in Tent #5. After each session, he will distribute the free software. Or, drop by our booth in Hangar D-66 to get a “one on one” demonstration and your free copy of the software.

Weather Graphics Schedules

Weather graphics are constantly being delivered to the CSC DUATS System. In the Table below, Delivery Times are when weather graphics are received and Valid indicates a start or time frame when the product can be used. For satellite and NEXRAD Radar products, the timestamp in the graphic represents the time of the snapshot or sweep. All weather graphics are replaced upon receipt of the new product.

Product	Frequency	Delivery Times	Valid
Surface Analysis	8 Times a day	20 Min After Synoptic Hour	3 Hours
Weather Depiction	24 Times a day	10 Min After Synoptic Hour	1 Hours
Composite Moisture Stability Chart	2 Times a day	0535Z and 1735Z	12 Hours
Infrared Satellite	24 Times a day	On the ½ hour	As Labeled
Visible Satellite	24 Times a day	On the ½ hour	As Labeled
12 Hour Surface Forecast	2 Times a day	0005Z and 1505Z	12 Hours
24 Hour Surface Forecast	2 Times a day	0005Z and 1505Z	12 Hours
36 Hour Surface Forecast	2 Times a day	0005Z and 1505Z	12 Hours
48 Hour Surface Forecast	2 Times a day	0005Z and 1505Z	12 Hours
72 Hour Surface Forecast	2 Times a day	0005Z and 1505Z	12 Hours
US Low Level Weather 00Z	2 Times a day	0005Z and 1505Z	12 Hours
US Low Level Weather 12Z	2 Times a day	0005Z and 1505Z	12 Hours
US High Level Weather 00Z	2 Times a day	0005Z and 1505Z	12 Hours
US High Level Weather 12Z	2 Times a day	0005Z and 1505Z	12 Hours
US 24 Hr Severe Weather Outlook	Once a day	1205Z	24 Hours
US 48 Hr Severe Weather Outlook	Once a day	1205Z	24 Hours
National Nexrad Radar	Every 4-6 Minutes	2 – 3 Minutes after snapshot	As Labeled
Regional Nexrad Radar	Every 4-6 Minutes	2 – 3 Minutes after snapshot	As Labeled

When on our Web site, www.duats.com, and you are viewing a graphic past the delivery time for the graphic, use the “Refresh” command in your Internet browser to reload an updated graphic. For example, using the Microsoft Internet Explorer, hold down “Ctrl” key while you click on the “Refresh” icon or press the “F5” key. Always ensure that you are viewing the graphic you intended to view by carefully examining the time and date located in the graphic. In the rare case of the graphic not having a timestamp in it, it is incomplete and you will need to request it again.

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