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Filing Performance Based Navigation Capability in an ICAO format Flight Plan for a Domestic U.S. Flight

- The FAA requires PBN capability be filed in order to receive the desired PBN routing, e.g. RNAV routes.
- Recent changes make the inclusion of the PBN/ field required and the NAV/ field optional when an R is filed in ICAO Item 10. (PBN/ has been required but it was not enforced by the automation until recently)

Performance Based Navigation Instructions

File an R in Item 10 to indicate the flight is certified for PBN. Filing the R indicates that you have PBN capability, but does not indicate what type.

File the type of PBN capabilities in ICAO Item 18, following the PBN/ indicator. Include relevant equipment in Field 10- for example, if filing PBN/D4 (RNAV 1 using DME/DME/IRU) then the equipment field should indicate DME (D) and Inertial (I) capabilities.

If you file PBN/ information indicating your capability, i.e. the R in Item 10 and codes in PBN/ are all that is needed.

However, filers still have the option of filing NAV/RNV data in ICAO Item 18 to indicate that they want to be assigned an RNAV arrival but, a conventional departure, or vice versa. The FAA still supports filing RNAV capability following NAV/RNV in ICAO Item 18, in addition to the PBN/ entries.   When NAV/RNV information is filed, it is used by the computer regardless of what is filed in PBN/.

Examples

Example 1: Aircraft has GNSS and is approved for RNAV 1 (per Op Spec C063/AC 90-100A). Note that aircraft certified per this AC have RNAV 1 capability for arrival/departure routes and RNAV 2 capability for en route operations.

- Item 10: include GR
- Item 18: include PBN/C2D2   *(note: filing PBN/C2D2 NAV/RNVD1E2A1 is also acceptable but not required)*

Example 2: Same as above, but filer does not want an RNAV 1 SID, wants an RNAV 1 STAR

- Item 10: include GRZ
- Item 18: include PBN/C2D2 NAV/RNVE2A1

Example 3: Aircraft has GNSS and is approved for RNAV 2 (per Op Spec B035/AC 90-100A)

- Item 10: Include GR
- Item 18: Include PBN/C2

Example 4: Aircraft has VOR/DME and DME/DME and is approved for RNAV (per Op Spec B034/AC 90-45A)

- Item 10: Include DOR
- Item 18: Include PBN/B3B4

Further guidance on which codes to file for which capability can be found at http://www.faa.gov/ato?k=fpl.

Contact 9-AJE-FLIGHTPLANQUESTIONS@FAA.GOV with any questions.