PARC PBN Procedure Naming and Charting

*Previously briefed as part of the ICAO/IFPP Committee Report prior to meeting 14-02.

Meeting 14-02

Mike Webb, AFS-420, provided an update on the Performance Based Operations Aviation Rulemaking Committee (PARC) Performance Based Navigation (PBN) Procedure Naming Action Team activities since the last ACF. Mike reported that there has been good participation across all industry shareholders. The next meeting is to be held on 10 November 2014. The group is working towards a draft recommendation paper for the PARC steering group, to be readied by December 2014.

The group has come up with several instrument approach procedure (IAP) examples that depict single or multiple NAVSPECs, as well as sensor and functional requirements to be placed in a PBN requirements box located in the briefing strip portion of the chart (See Slides #7 and #8 for prototype examples). The group will begin discussing the depiction of PBN requirements on SIDs and STARs next.

Rich Boll, NBAA, asked whether there would be any change in how the IAPs are titled, specifically, if GPS would appear in the procedure title. Rich added that if GPS is not included in the title, the procedure would not be properly pulled from an aircraft’s FMS. Mike responded that the plan is for GPS not to be part of the procedure title and stated that FMS manufacturers have and are addressing the issue. He restated that in the U.S., RNAV will remain in the procedure title, not RNP as it appears ICAO will recommend.

**ACTION:** Mike Web, AFS-420, will provide an update at the next ACF.

MEETING 15-01

Mike Webb, AFS-420, provided an update on the Performance Based Operations Aviation Rulemaking Committee (PARC) Performance Based Navigation (PBN) Procedure Naming Action Team activities since the last ACF. Mike reviewed the PARC recommendations that the Action Team agreed upon and have forwarded to the FAA. The recommendations state that PBN procedures in the U.S. will retain “RNAV” in the procedure title despite the fact that ICAO will be adopting “RNP” in the title. The recommendations also state that PBN procedures will only include a single navigation
specification shown in parentheses in the procedure title. Every PBN procedures will also contain a PBN Requirements Box depicted in the briefing strip portion of the chart.

Mike then discussed the inclusion and make-up of the PBN Requirements Box for instrument approaches. The Action Team (AT) discussions regarding the PBN Requirements focused on where on an instrument approach chart the box would appear, the content and sequence of the content within the box, and recommended abbreviations and acronyms used within the box. Mike showed several examples of the recommended depiction (Slides 10, 12, 18 and 20).

Mike then discussed issues related to chart titling and use of different chart title parentheticals (Slides 23, 25 and 27).

John Collins, GA Pilot, inquired if such procedures would be expanded to the GA community to utilize. Mike replied that training will be need by the GA community as a whole in order to be able to utilize such procedures. John then inquired as to when the aviation community can anticipate seeing the first charts with PBN requirement boxes. Mike replied that the goal is to have everything in place by 2022.

**ACTION:** Mike Webb, AFS-420, will provide an update at the next ACF.