

PARC Member F2F Summary

October 8-9, 2008

Orlando, FL

8 October

Welcome & Introductions

Bob Lamond of NBAA welcomed the PARC and gave some opening remarks. PARC Members were invited to enjoy the exhibits in the hall, which were quite extensive. It was remarked that the annual NBAA Convention was so large that there were only a handful of cities where it could be held. The wide variety among the exhibitors was an indication of the size and scope of the aviation industry, of which everyone in the room was a part of.

8260.IFPP and PARC Recommendations Status

Expected Results: Discussion of 8260.IFPP: Instrument Flight Procedures Panel. Update to the PARC on the implementation status of PARC recommendations.

Mark Steinbicker came a combined briefing on the implementation status of past PARC recommendations along with some information on the Instrument Flight Procedures Panel.

It was asked when RF path terminators would be out, and they are planned to be out next year.

It was also asked when cold temperature guidance would be available. It was stated that this issue needs to be brought to the Aeronautical Charting Forum and other groups for discussion. A Concept of Operations is needed for what is trying to be achieved. Right now there is a mix of systems with cold temp capability and airplanes are operating with them and the FAA has no guidance on how to treat them, which is a rapidly growing problem.

The initial report on the FASDAWG work is complete, but they would like to wait until both phases of the study are completed before releasing it. A briefing on the results of phase one will be added to the January F2F Agenda, with the possibility of phase two being completed by then and those results being briefed as well. Once the full results are available, they would need to be discussed at a future meeting of the PARC FASDAWG and then brought back to the PARC. Vinny Chirasello and Ted Demosthenes took a shared Action to hold a future meeting.

The updates to 14 CFR 121.579 and 135.139 are in the initial stages of the rulemaking process, with the work being done by AFS-200. The ARAC had recommended specific language for both 121.579 and 135.139. This issue will be added to future PARC telecon Agendas so that progress can be tracked.

There was some discussion on the RNP SAAAR transition to ILS which is planned for change 1 to Order 8260.52 in FY 09. It was strongly emphasized that we need to better understand equipment capabilities. It needs to be determined how to best get input from OEMs to find out their constraints. Joe McCarthy took an Action to articulate the Air Traffic requirements. Bruce DeCleene took an Action to take the lead on step one, which would be to determine the schedule. This issue will be added to future PARC telecons for discussion and to track progress.

Information was provided on the Instrument Flight Procedures Panel. The focus of the group was stated to be implementation. It is intended to improve coordination, so that when things moved forward all branches and parties were on the same page.

ACTION: Vinny Chirasello and Ted Demosthenes to schedule a future meeting of the FASDAWG once full results of the study are available.

ACTION: Bruce DeCleene to take the lead on determining the schedule for RNP SAAAR transition to ILS.

SRMD Track-To-Track Update

Expected Results: Rulemaking status of the SRMD track-to-track panel activities.

Joe McCarthy provided an update to the PARC on the status of area navigation (RNAV) track-to-track separation. The Flight Standards studies have been completed. The next step will be to look at the non-radar portion. Information on how the nav errors were characterized can be obtained from AFS-440.

JPDO Status and Activities

Expected Results: An update on JPDO activities relevant to PARC tasks and planning.

Doug Arbuckle briefed the PARC on JPDO/NextGen activities. While the Integrated Work Plan v1.0 is published, it is still a work in progress with many holes yet to be filled. The IWP is difficult to work through and there was not much to report on to the PARC at this time. Frank Alexander was assigned an Action to bring more information to the PARC when it was available.

ACTION: Frank Alexander to brief the PARC on the IWP once more information is available.

Flight Deck Automation WG

Expected Results: Working Group status and activities.

Kathy Abbot provided the PARC with an update on the activities of the Flight Deck Automation Working Group. The group plans to have a draft of their final report ready by February of 2009. It will include data that shows nav data as a source of problems. The report will also include future considerations.

ATMAC R&P

Expected Results: An update on RTCA ATMAC R&P activities.

Lorne Cass briefed the PARC on the RTCA Requirements and Planning Work Group Report. An overview of RTCA was provided, along with 2008 initiatives. Topics covered in the briefing included optimum profile descent, unmanned aircraft systems, DataComm, and work of the NY77 Working Group. Jerry Davis requested an offline discussion with Lorne for more information.

9 October

The PARC welcomed Nick Sabatini, Associate Administrator for Aviation Safety, to open the second day of the meeting. Mr. Sabatini credited the PARC for putting RNP on the map. He spoke on the excitement regarding enhanced flight vision systems and how they will revitalize Cat 1 and 2 operations. The greatest improvements in safety have been through technology.

Navigation Data Currency WG

Expected Results: Action Team status and activities.

Pedro Rivas briefed the PARC on the progress of the Nav Data Currency Working Group. The group has developed a proposed charting solution, and believes that since wording is similar throughout various guidance materials that their solution could be easily implemented in all of them. The transition period was stated to be 2-3 years before all charts were updated. The PARC supported the group taking their proposed solution forward to the Aeronautical Charting Forum.

Flight Validation of PBN Approach Procedures and update on 3rd Party RNP/SAAAR Development

Expected Results: Update to the PARC on Third Party OTA action.

John McGraw briefed the PARC on behalf of Gary Powell on the status of both third party procedure development of public RNP SAAAR Instrument Flight Procedures and flight validation of performance-based navigation IFP. The main concern raised was who will be making sure that 3rd party vendors go down to the extreme level of detail necessary. The FAA is working that issue now.

Pilot, Controller, Procedures and Systems Integration WG

Expected Results: Update on WG activities after 5 March meeting.

Kathy Abbot updated the PARC on the status of the PCPSI Working Group. Karl Fennel from ALPA has joined the group, but only as a member. With the departure of Shawn Pruchnicki the group no longer has an ALPA co-chair. Kathy requested a discussion offline with Pedro Rivas regarding ALPA participation in the group.

RNP SAAAR Update AT and TBO AT

Expected Results: Action Teams status and activities.

Mike Cramer provided status updates to the PARC on both the RNP SAAAR Update and TBO Action Teams.

The RNP SAAAR Update AT is analyzing wind data from the completed MITRE study and comparing it to criteria. They found that at 3000' the criteria was very accurate, but otherwise found it to be very conservative. It was thought that the excessively conservative wind data had come from Alaska Airlines. Flight Standards is currently looking at the data as well. When work is complete there will need to be revisions to AC 90-101A.

The TBO action team has made little progress, and has fallen way behind their proposed schedule. This is due to the team being held to other group's schedules. Fractionalization amongst those groups has led to disappointing progress, but the PARC does not want to give up on the activity. There is a need to determine the proper group to determine the requirements.

Future Meetings/Closeout

Ted Demosthenes submitted draft ToRs for the Classification of Instrument Approach Operations and Procedures Action Team. They will be discussed during the next PARC telecon.

It was discussed that there is a need to ensure there is enough mature material available to brief at each F2F meeting. If not, the PARC might switch to holding F2F meetings every 4 months rather than quarterly.

A conflict was raised with the next PARC F2F date of January 14-15. Unless other conflicts arise, the decision was made to stick with the January 14-15 date.