

PARC Member F2F Summary

March 12-13, 2008

Arlington, VA

12 March

SRMD Track-to-track Panel

McCarthy

Expected Results: Provide an update to the PARC on the rulemaking status of the SRMD Track-to-track Panel.

Joe McCarthy briefed the PARC on the status of the track-to-track Safety Risk Management Document (SRMD). The SRM Panel has completed its assigned tasks and the initial SRMD is completed and in circulation for comments. It is anticipated to be approved by ATO-R Safety Management Office by April 15th, 2008. Some discussion was held regarding Q Routes, and the FAA stated that work was being done on them starting the following week.

ACTION: The FAA took an action to ask Michael Hannigan, the Project Manager for High Altitude Airspace Management (HAAM), to brief the PARC at the next F2F on the status of Q Routes.

ACTION: The FAA took an action to provide the SRMD to the PARC when it was available.

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

Powell

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

Gary Powell provided information to the PARC on the status of the FAA's policy and process for 3rd party procedure development of public RNP SAAAR Instrument Flight Procedures. The briefing gave an overview of flight procedures implementation and oversight, 3rd party procedure development milestones and development process, and flight validation of procedures. The schedule plans to have authorized 3rd party public RNP SAAAR developers by November 30th, 2008.

ACTION: The FAA will provide a status update to the PARC at the next F2F.

PARC Recommendations Status

McGraw

Expected Results: Update to the PARC on the FAA's status on implementation of PARC recommendations.

John McGraw updated the PARC on the FAA's progress since the November F2F in implementing recommendations previously received from the PARC. Updates were given on the RNP Procedure Criteria, FASDAWG, CDWG, Basic RNP and SAAAR interactions, RPAT, and Airspace Policy and Procedures recommendations. The full briefing detailing the implementation status of all recommendations can be viewed at: <http://tinyurl.com/2vansh>. A copy of the briefing can also be obtained by contacting Steve Albers at Steven.CTR.Albers@faa.gov. With regard to the CDWG recommendation for real time monitoring of NAVAID/Substitution, it was stated that this would be covered by the coming AC 90-RNAV, currently in Draft status. A May or June publication date is planned for the AC. A question arose regarding the JPDO and PARC TBO Action Teams regarding what the difference was between the two groups and the work they would be doing. It was stated that the JPDO group would be more conceptual and high level than the PARC Action Team. NBAA still has issues regarding Class E Airspace. There are still areas where Class E airspace exists where it is unnecessary, and other areas where it does not exist but it is needed.

ACTION: The FAA agreed to continue working Class E Airspace issues.

RNP Concepts and Benefits AT

Clausen

Expected Results: Provide update to the PARC.

The status update of the Concepts and Benefits Action Team was provided by Perry Clausen. The AT has completed their Benefits Framework, and it has been uploaded to the PARC KSN site. Concerns were raised during the discussion of the proposed RNP Procedures WG. There would need to be the appropriate range of subject matter experts to ensure the WG could properly evaluate sites on a wide range of criteria. It would also put the PARC in the procedure loop, which is not the usual task of the PARC. Instead, the PARC would normally develop some recommended points to determine benefits of sites, and the FAA would select sites based on those points. However, the FAA would like a method to update user needs on a regular basis.

Document Strategy WG

Davis

Expected Results: Brief outcome of 11 Mar WG meeting.

Jerry Davis briefed the PARC on the status of the Document Strategy Working Group. Preliminary WG recommendations on the major issues were presented. It was proposed that there would be separate guidance for angular and linear capabilities.

ACTION: Jerry Davis took an action to draft a letter finalizing what the WG recommendations will be along with proposals on how to work them.

RNP SAAAR Review WG

Williams

Expected Results: Status update.

Jeff Williams provided information on the proposed RNP SAAAR Site Review Team. He stressed that this was just a proposed team. It was stated that the team would not have to remain SAAAR specific as it moved forward. It was questioned as to whether the team would be needed if the metrics for SAAAR site selection were properly defined up front.

ACTION: Frank Alexander took an action to form an ad hoc group to brainstorm and determine if there is a need for the SAAAR Site Review Team.

Lost Communications during RNP AT proposal

Alexander

Expected Results: Discussion of proposed AT to provide Recommendations.

Frank Alexander presented a paper proposing the creation of an Action Team to make recommendations for changes to lost communication procedures for Standard Instrument Departure and Standard Terminal Arrival Procedures that incorporate published vertical restrictions. The proposal was approved. Rico Carty was identified as a Flight Standards representative to participate on the AT.

Joint PARC/NECC AT proposal

Alexander

Expected Results: discussion of proposed AT to review Navigation Evolution Roadmap

Frank Alexander presented a paper proposing a joint PARC/NECC Action Team to review the Navigation Evolution Roadmap. Frank and Doug Arbuckle would work both sides as members of

both groups. Dave Jones and Rick Buerger both asked to be participants on the Team. The latest version of the Roadmap has been uploaded to the PARC Members KSN site for review. This AT's work will be fast tracked with planned completion date of 30 May 08.

ACTION: Frank Alexander took an action to draft ToRs for the team.

ACTION: Pedro Rivas took an action to provide an ALPA rep to the team.

RAIM Prediction AT

Volchansky

Expected Results: Update on AT activities.

Lou Volchansky updated the PARC on the RAIM Prediction Action Team activities, including status of all deliverables. For operators using TSO-C129 equipment to satisfy RNAV eligibility requirements, RAIM availability must be confirmed as listed in AC 90-100A. However, using the Volpe prediction tool is just one of the methods to satisfy this requirement. Discussion ensued over how to best use the tool and how alternative methods could be approved. Prediction programs outside of the FAA-funded Volpe tool could satisfy the RAIM availability preflight requirement, but would first need to be reviewed by the FAA to ensure the right performance factors were used.

Flight Deck Automation WG

Abbott

Expected Results: Update on WG activities.

Kathy Abbott updated the PARC on the status of the Flight Deck Automation Working Group. The WG received no comments on its initial report from either the PARC or CAST. The next meeting will take place with Emirates Airline from Mar 17-20 2008. They plan to have draft recommendations with findings ready by the end of this year.

Pilot, Controller, Procedures and Systems Integration WG

Abbott

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

The Human Factors Working Group has changed its name to the Pilot, Controller, Procedures and Systems Integration Working Group, or PCPSI WG. Kathy Abbott provided a status update on the group's activities. The group ToRs have been revised and the updated version will be uploaded to the KSN site. It was decided that the group would not draft their proposed Position Paper on Displays for RNP Operations. The group plans to document lessons learned and make recommendations for an improved implementation process. It was recommended that the group include more international and military representation in future work.

13 March

OEP

Jones

Expected Results: Outcome of 11 MAR meeting and plans to move forward.

Dave Jones and Ricardo Parra clarified the OEP input tasking for the PARC. The FAA PBN Roadmap, last published in 2006, is being absorbed into the OEP activity. To ensure that all PBN Roadmap commitments are captured and managed by the OEP, the OEP team has mapped these commitments to OEP activities in a spreadsheet. Ricardo provided a high level review of the PBN Roadmap – OEP mapping spreadsheet. All commitments from the PBN Roadmap have been placed in the spreadsheet and mapped to the corresponding OEP Commitment/Capability. All OEP Commitments and Capabilities have been explained in two page “Solution Set” sheets. The OEP has requested PARC to validate this mapping by reviewing the detail OEP Commitment/Capability and two page ‘Solution Set’ descriptions to the spreadsheet. The OEP Office is not looking for the PARC to provide an overall critique of OEP, only to ensure that all commitments from the PBN have been properly incorporated into OEP. The deadline for comments is April 20th. Dave Jones is serving as focal for this activity. Members able and interested in supporting this activity should contact Dave at david.e.jone8@boeing.com. Jeff Williams requested that Elizabeth Williams be tied in to the effort.

TBO

Cramer

Expected Results: Information provided to the PARC on first actions and plans.

Mike Cramer provided a status update on the PARC TBO Activity. The objectives and supporting deliverables were reviewed. The differences between the JPDO and PARC TBO work were discussed. The JPDO activity will be more conceptual in nature, while the PARC work will be more low level. It was requested that the JPDO ToRs be uploaded to the TBO KSN site so that they could be compared with the PARC TBO ToRs.

RNP SAAAR Update AT

Cramer

Expected Results: Brief outcome of 12&13 Feb meeting.

Mike Cramer next provided a status briefing on the activities of the RNP SAAAR Update Action Team. Numerous issues still being discussed by the team were reviewed. No resolution has been reached as of yet on the transitory obstacles or the descent rates and temperature limits issues assigned to the team in November. Other issues reviewed were control margins for procedure design of RFs, procedure design method of assessing need for DME inhibit restriction, and extended straight segments around DA. In regards to the NTSB recommendation of limiting max descent rate to 1000 ft per minute, Jerry Davis stated that previous research had been done that found everything was okay up to 1200 ft. per minute, and recommended it be evaluated by the team. Barry Billman was mentioned as being a possible contact to obtain this past research.

ACTION: The Team took an action to discuss the interaction between AC 90-101 and Order 8260.52 and make a strategic decision as to whether or not it was an issue that could be handled by the AT or if it was outside the scope of the team. This item will be added to future PARC telecon Agendas for discussion.

AC 90-RNP

Swigart

Expected Results: Update to the PARC.

John Swigart briefed the PARC on the status of the Draft AC 90-RNP. The PARC was briefed that there is an aggressive schedule to get the AC completed and published. Roger Burns Basic RNP Criteria Action Team will be restarted to review and provide input on the draft AC. Roger will be contacted and notified of the aggressive schedule and that there are numerous issues that will require extensive discussion. The intent is to begin discussion of those issues as quickly as possible so that they can be resolved in time to keep to the schedule.

Order 8400.13C/1800 RVR**Johnson**

Expected Results: Update PARC on Order and 1800 RVR change.

Coby Johnson provided information to the PARC on Order 8400.13C. With simple changes to approach plates in half the cases and new RVR equipment in the other half, it will allow 449 additional 1800 RVR approaches at 370 airports. For CAT II on Type I, 142 additional approaches at 110 airports could be added. It will also help avoid the cost of having to install new lighting systems.

Navigation Data Currency WG**Rivas**

Expected Results: Update PARC on AT activities/membership.

Pedro Rivas provided a status update on the ACF/PARC Navigation Data Currency Working Group. The ToRs of the group have only recently been approved; therefore work has not yet begun. The ACF participants have been identified, but PARC participants still need to be selected. The Working Group plans to complete an interim report by 31 July 08 and final report by 31 Jan 09. Those interested in being on the WG were asked to contact Pedro.

RNP Charting**Rivas**

Expected Results: Update PARC on AT activities.

Pedro Rivas provided a status update on the RNP Charting Working Group activities. Open items being discussed by the group were reviewed. A timeline for the group to resolve technical issues was asked for. The Action Team plans to hold a telecon in late March or early April.

New Business/Future Meetings**Nakamura**

Dave Jones proposed expanding the work of the RNP Concepts and Benefits Working Group. A “clean sheet terminal area” study for RNP was suggested.

ACTION: Dave Jones took an action to provide information on the work and ToRs for PARC review.

June 11th – 12th and October 7th – 8th were proposed as tentative dates for the next two PARC F2F meetings. These dates will be distributed to the PARC and checked for potential conflicts.