

PARC Telcon Summary October 26, 2005

Agenda Items:

1. **OSA WG update** – Hassan Shahidi

Action Item from previous telcon: PARC Chairman to follow up with AVS-1 and others about the priority of this effort and how best to assign resources to meet the planned work schedule.

Oct 26 status – People have not been available for discussion. Action item deferred. Status to be reported at the PARC F2F.

Action Item from previous telcon: The OSA WG chairman will post all completed documentation on the OSA WG KSN Site.

Oct 26 status - Discussion was postponed. OSA WG Chairman had a meeting conflict

2. **FAA Status on PARC RNAV Recommendations and FAA Development of Draft RNAV Criteria** – FAA

The FAA is reviewing the PARC suggestions at internal meetings. Status will be reported at the PARC F2F.

3. **Status on FAA Policy Change for 3rd Party Developers for Operations/Procedures** – FAA

The FAA is actively reviewing the possibility of any policy changes. Since this is a complex issue with legal implications involving multiple FAA organizations, a decision time frame cannot be determined.

4. **Roadmap Progress and Status regarding alignment with Infrastructure Roadmap** – MITRE

Oct 26 status – The perception is that this activity is progressing according to the schedule.

Action: Olga will get an update from Hassan on this item and whether he plans to provide a progress report at the PARC F2F.

5. Communications Working Group Roadmap Status on Leadership and Activities – Tom Kraft/Ann Tedford

Action Item from September 28, 2005, telcon: Designate an industry co-lead.

Oct 26 status – Arnold Novak at Rockwell Collins is interested in being the co-chair. The PARC chairman will contact Rockwell Collins management to request their sponsorship for this person's support. Next update at the PARC F2F.

6. "Final Approach Segment (and or /) Decision Altitude WG" or FASDAWG – Ted Demosthenes

Action Item from September 28, 2005, telcon: Designate members and put a schedule together.

Oct 26 status – Ted Demosthenes has had limited success in recruiting people to support this analysis. Suzanne Porter volunteered Mitre support and Pedro Rivas and Greg Saylor have started some initial work. Ted will set aside some time with Tann Pinney before the PARC F2F to do some planning. Ted has proposed a schedule but with limited resources it needs to be scrubbed for realism.

John McGraw said Mark Steinbecker and Vinnie Chirasello will support the activities for the FAA. This analysis and the resulting Final Approach Segment DA standards are critical to the FAA's ability to realize the full benefits from RNP approaches.

Ted Demosthenes would like to have some time at the F2F to discuss the process, rather than the actual issues. Dave Nakamura offered his support to Ted and his Working Group activity.

Action: John McGraw will get the names of the other participants to Ted Demosthenes.

7. Critical Decisions Working Group Update – Jerry Davis

A CDWG meeting is scheduled for November 14 at 10:00 AM at AMTI, Rosslyn, VA (Overland Room).

8. Human Factors Working Group Update – Abbott/Kerns

A HFWG meeting is scheduled for November 15 at AMTI (Georgetown room).

9. **Proposal for New Action Team for Target Level of Safety** –
Dave Nakamura

Task: to only document background, basis, and its application, not on what it should be. This will include documenting technical and operating assumptions, derivation and validation of standards applied for route separation and obstacle clearance, not restricted to RNAV and RNP, document the differences and relationship between aircraft safety/hazard assessment criteria and TLS for separation and obstacle clearance, and identify issues requiring further action by PARC i.e. recommendations for change in policy, establishment of policy, changes in rules/guidance, etc.

Dave is considering a new action team to research the basis for the current TLS, i.e. documenting how the current standards were established. This would then give us a bridge for how to proceed with any changes or modifications that may be dictated by RNP.

There was general concern that the resources necessary to do this new activity are currently involved in the OSA WG and other safety analysis activities and that this action team may be a duplication of what those groups are doing. Dave did not feel it was a duplication but a necessary foundation from which these other activities need to start. There was general agreement that the OSA was having difficulty completing its work and this may be able to help. The Air Traffic Alliance and Boeing are currently working on an activity, which may lead to a white paper. Pedro stated that ALPA would definitely want to be participants in this effort. Wally expressed his interest in this activity as well especially since he has history on VOR containment, and other target levels of safety.

Action: Dave to proceed with drafting a ToR for review at the PARC F2F.

10. **RNAV/Roadmap:** need for air transport, business, general aviation, roadmap discussion on suggested evolution of RNAV to be like RNP in many functional aspects i.e. fixed radius turns except for 2xRNP containment and alerting.

Oct 26 status - Discussion postponed due to Hassan's absence.

11. **FAA RNP Criteria Harmonization Plan with North/South America Europe and ICAO**

Barbara Cassidy made the following comments:

1. 8260.52 RNP SAAAR criteria were presented to the ICAO Obstacle Clearance Panel Working Group of the Whole meeting in Kyoto in

September. The OCP accepted the US proposal for incorporation of the criteria in ICAO PANS OPS. Criteria will be reformatted and initially published as an ICAO 'stand-alone" Procedure Design Manual for RNP approaches with Authorization Required, expected July 2006. After some experience with implementation, the criteria will be incorporated in the PANS OPS manual (Doc 8168) in late 2007. Associated aircraft and aircrew requirements are to be addressed by reference to FAA AC.

2. The ICAO RNP Study Group is rewriting Doc 9613, the RNP Manual. It is expected in Summer 2006 and will be called the Manual for Performance Based Navigation. The Study Group has also accepted a joint FAA-Eurocontrol proposal for ICAO RNAV, which harmonizes US RNAV and PRNAV requirements.

Dave will add this topic to the PARC F2F for further discussion.

12. AC 90-100 AT update – Frank Alexander

Minutes from the Oct. 18 telcon have been posted on the AT KSN site: https://ksn.faa.gov/km/avr/parc/parc/parcmem/ad/AC90100AT/MtngsTlcn/Document%20Library/2/051018%20AC%2090%20100%20AT%20meeting%20minutes_FA.doc

The next AT meeting will take place in Phoenix on December 12, 2005.

Other Action Items:

1. PARC Work Program and Critical Path schedule progress – Tann Pinney

The RNP Roadmap schedule is posted on the KSN site. The schedule can be accessed on the PARC member page near the top by selecting the schedule button.

<https://ksn.faa.gov/km/avr/parc/parc/parcmem/Power%20Document%20Library/050928%20Roadmap%20Schedule%20Image.ppt>

Action Item from the last telcon: Everyone to take a look at this schedule and send Tann any comments at Tann.ctr.Pinney@faa.gov by next **Monday, October 24th**.

Oct 26 status - Tann received no comments to date

Tann and Pat Z have been reviewing the 2004 Concept of a Performance Based NAS document and the CDWG August 30, 2005 recommendations on critical decisions, and the Roadmap to lay out a strategic view on the policies and standards that need to be established/reviewed to support the full implementation

of a performance based NAS. There will be further planning and a review at the PARC.

Tann mentioned that any WG that is developing a recommended document for the FAA (i.e. the PBN Roadmap), the PARC needs to allow for 2-3 months after submittal to the FAA for internal FAA coordination, legal review, and if necessary, a signature by the FAA Administrator. Pre-coordination with FAA organizations can make this internal coordination easier, but the PARC should not expect a formal FAA approval in any less time.

Action: Tann Pinney to have an updated PARC Work Plan for review at the PARC F2F.

2. RNAV WG – Roger Burns

No activity had taken place. There was some general discussion about the RNAV criteria reviews. WG plans and activities need to be discussed at the PARC F2F.

3. NBAA's 4.0 VNAV path angles and RF-leg overlays on RNAV (RNP) (SAAAR) IAPs – Wally Roberts

These items will be folded into the RNAV WG activities above.

Action Item: Wally will draft a Terms of Reference for these analyses for review by the RNAV WG and the next PARC telcon.

Oct 26 status - Wally noted that he and Pedro were coordinating on the ToR.

Wally is planning to present a short slide show about implementation of 8260.52 criteria at KSUN and KPSP.

4. PARC Public Meeting Location and Dates – Dave Nakamura et al.

Oct 26 - A suggested focus of a public PARC meeting is RNP progress over the last year. This would include: 8000.300 SAAAR Notice, the 8260.52 TERPS Criteria Order, the AC-90-RNPSAAAR, public RNAV criteria, etc. The suggested time frame is first quarter of CY2006, tentatively March 15-16. Olga Legoshina is currently working to see what facilities are available to handle about 100 people. The lessons learned from the prior public meeting need to be applied, i.e. more advanced notice.

Dave Nakamura said he will ask PARC members at the upcoming F2F if they can provide meeting space for the PARC Public meeting.

New Business:

- **Next PARC Member F2F – Dave Nakamura**

The next **PARC Face-to-Face** will be November 16 – 17 at AMTI in Rosslyn, Virginia.

The **CDWG** will meet November 14th at 10:00 AM at AMTI.

The **Roadmap WG** will meet December 15th at AMTI to review the final version of the RNP Roadmap.

The **HF WG** will meet November 15th at AMTI. The RSVP list can be found at:

<https://ksn.faa.gov/km/avr/parc/parc/parcmem/MemberF2FMtg/Lists/Attendees/Meeting%20Attendees.aspx>

- Dave approached Mike Cramer about 8000-287/300 and the 8260.52. There is a need to better document the differences between the two documents and what the reasoning for the final content and format of the 8260.52. This would allow us to understand why things changed, why some items were not included, why some items were moved to other documents, etc. There was general agreement that this was worthwhile and should be done.
- Dave Nakamura said the group should keep the next bi-weekly PARC telcon on their calendars, but it might not be held since the F2F would be the following week. Dave will have Olga send a message in the future advising members if the telcon was cancelled.

Attendees:

Pedro Rivas

Mike Cramer

Dave Nakamura

Pat Zelechowski

Barbara Cassidy

Wally Roberts

Roger Burns

Chris Swider

Tann Pinney

Olga Legoshina

Ted Demosthenes