

# **PARC Telecon Summary**

## **December 3, 2009**

### **1. RNP SAAAR Update Action Team**

**Cramer**

Dave Nakamura has the cover letter and Recommendations and they should go forward to AVS-1 this week. Mike Cramer will discuss with Mark Steinbicker what remaining issues the team should tackle next.

### **2. RNP Transition to ILS**

**Cramer**

The Team is still doing analysis of the glide slope capture data in both hot and cold temperature conditions. They are also still working on understanding the data received from Boeing and Airbus.

### **3. RNP Concepts and Benefits AT**

**Porter**

The only activity at this time is work that Sarah Dalton and sub-team are doing on Seattle program. The sub-team has been named the RNP Established Parallel Approaches Team. They will be having a meeting on Jan. 20<sup>th</sup> for a brainstorming session on risks and benefits. Invitations should go out this week, and they are hoping for a broad spectrum of participants. They are also looking for a meeting facilitator who is familiar with the FAA FMS process. Prior to the January meeting, they would like to brief AOV, but need a contact. Mark Steinbicker agreed to provide an AOV contact to the Team. The meeting on the 20<sup>th</sup> will be at the Boeing facility in Arlington on Wilson Blvd. Mark Steinbicker and Joe McCarthy have had discussions on a possible FAA Co-Chair for the main Team. Mark will be following up with Joe and will get back to the Team.

### **4. IAP Coordination Letter**

**Roberts**

No additional comments were received on the revised draft Letter. Wally Roberts wanted the PARC to be aware that the problem of the coordination process is a part of letter. Comments need to be considered or there is no point to coordination. Steve Albers will send the approved letter to Dave Nakamura.

### **5. RNP Procedure Process**

**Alexander**

Frank Alexander received comments from both Dave Jones and NBAA on the RNP Procedure Process Letter. The NBAA input was discussed at the telecon.

- Before any runway end is considered for an RNP AR IAP, it should first be determined whether a non-AR RNAV procedure will provide minimums comparable to what would be provided by RNP AR. This will serve to extend access to such runway ends to a far greater number of users. Frank Alexander agrees and believes it is already incorporated in paper. If not, it will be.

- Where necessary to optimize RNAV approach access to a given runway end, procedures should be split when necessary so that LNAV or LNAV/VNAV minimums do not suffer an otherwise unnecessary increase solely to accommodate publishing an LPV procedure on the

same chart with LNAV and/or LNAV/VNAV. Frank felt that this might possibly be better placed with Suzanne Porters group, but that it could fit with either group.

- Access to many runway ends would be greatly improved by accelerating the development of non-AR advanced RNP criteria and authorizations to include far greater use of RF legs, including within the final approach segment. There is a far higher percentage of fleet equipage with RF leg capability than there is fleet equipage for RNP AR, and this will most likely always be the case. Frank felt this was more suited for Suzanne Porters group, since it was more of a benefits statement.

- Greater use of climb gradient missed approaches should be used in non-AR IAPs where the result would be a significant decrease in approach minimums. But, where climb gradient missed approaches are used in non-AR IAPs, non-climb gradient minimums should also be published. Frank also sees this as more of a benefits potential.

NBAA feels that paper discusses benefits so they provided comments regarding additional benefits. Frank will take another look at his paper for benefits and will put out a final draft by Dec. 17-18. He will also have a dialog offline with Suzanne Porter to discuss which group should incorporate the NBAA inputs.

## **6. RNP Charting WG**

**Rivas**

Progress was made on plan view issues in first telecon. The Group has gotten participation from ATO. Their third telecon takes place Dec. 4<sup>th</sup> to discuss profile view issues. Recommendations should be ready by this January.

## **7. PARC Considerations**

**Shahidi/Nakamura**

A small group discussion of the Paper was suggested. The intent would be to set some priorities to be discussed at the next F2F. Hassan was asked to put ideas on paper for draft ToRs for this task. Debbie Kirkman of Mitre was recommended by NBAA to participate. This will be put on the next telecon Agenda for follow up discussion.

Once the paper is refined, Dave Nakamura and Bob Lamond should be the ones that officially get these tasks assigned to the PARC. This will be discussed at the RNP telecon next week. Q Routes will be worked by a group other than the PARC and should be removed from consideration.

Mark Steinbicker brought up some other Considerations for PARC Work:

- High-altitude fly-by turn issues (bank angle limitation, DO-236, 8260.54A, and aircraft mods/software changes). This is affecting procedure design. The FAA would like to see this worked by the PARC. It is a small item but needs to be addressed. Mike Cramer would likely need to be involved, and will discuss it with Mark and start thinking about ToRs.
- The process for navigation system software upgrades/changes, specifically with regard to certification and PBN operations (near-term and beyond). This may need to be added to the next list of AC90-101 issues. When the software changes what is the process for the manufacturer to list the effects or lack thereof on PBN operations?

## **New Business**

No new business was raised.

### **Future PARC Meetings**

**Communications WG** – Dec. 8<sup>th</sup> -9<sup>h</sup>, 2009 – Temple, AZ – Iridium

**Proposed Future F2F Dates** - Feb. 11-12, 2010, Dallas – Southwest Airlines HQ. June 10-11, 2010, and Oct. 14-15, 2010. Oct 2010 NBAA Annual Conference is Oct. 19-21 in Atlanta. It has been suggested that the PARC hold its Oct. F2F in conjunction with the NBAA Annual Convention once again, and an invitation to do so has been extended to the PARC by Bob Lamond.

**PARC Telecon Attendees:**

Name	Attendance	Name	Attendance
Abbott, Kathy	x	Porter, Don	
Albers, Steven	x	Porter, Suzanne	x
Alexander, Frank	x	Railsback, Paul	x
Alexander, Ken		Rasch, Blane	
Arbuckle, Doug		Rivas, Pedro	x
Black, Dan		Roberts, Wally	x
Boehm, Ben		Robinson, Jeff	x
Brady, Carrie	x	Rush, Brad	
Bridges, Kevin		Schwartzkopf, Larry	
Broderick, Tony		Shahidi, Hassan	x
Buergel, Rick	x	Smith, Tyler	
Burns, Roger		Solmonson, Perry	
Carty, Rob		Sowerby, Chris	
Cassidy, Barbara		Steinbicker, Mark	x
Chirasello, Vincent		Swigart, John	
Clausen, Perry		Turk, Tony	
Comstock, Kevin		Wall, Roger	
Conklin, Thomas		Webb, Michael	
Cramer, Mike	x	Weeks, Glen	
Davis, Jerry		Will, Brian	x
DeCleene, Bruce		Zenkovich, Mike	
Demosthenes, Ted		McKee, Kyle	
Dutton, John		Belk, John	
Elmore, Pere		Barber, Clay	
Farry, Kristin		Tallman, Nick	
Fulton, Steve		McCarthy, Joe	
Foose, Scott		Arrighi, Jim	
Galecki, Rick		Travasini, Jeff	
Hickok, Steve		Miller, Barry	
Hodges, Harry		Dalton, Sarah	x
Joly, Pascal			
Jones, Dave	x		
Kenagy, Randy			
Kraft, Tom			
Lamond, Bob	x		
Majauskas, Cathy	x		
McGraw, John			
Nakamura, Dave	x		
Oldach, Arnold			
Parra, Ricardo	x		