

PARC Telecon Minutes
January 4, 2006

1. AC 90-101 McGraw

The AC90-101 was signed in December and is posted on the public PARC site and the normal FAA web sites. The next step is to use the standards and criteria established in the approval process for RNP SAAAR operations. The FAA has received some applications for RNP SAAAR operations and the AC will be the basis for their approvals. Internally, the FAA will be doing a lot of outreach to our operations approval workforce (POIs and inspectors workforce) and the aircraft manufacturers as well to make sure everyone applies the new criteria consistently. As more is learned about RNP operations, the criteria will continue to evolve. It is being used at the ICAO RNPSORS now and will be incorporated into the ICAO guidance. Dave emphasized that the additional guidance is going to be very important for it's global standard.
2. WAAS – RNAV benefits (RAA WAAS paper) Foose

Status of Coordination with Critical Decisions WG, dates for follow up actions including any regulatory recommendations to PARC.
See **Action #12-07-01 (open)** below for updates.
3. Critical Schedule and Program Review Pinney
 - a. Roadmap re-plan verification and PARC Roadmap comment process. See **Action item #12-07-02** below for updates.
 - b. FASDAWG schedule review. Demosthenes
See **Action item #12-07-03 (closed)** below for updates.
 - c. Update of RNAV Planning.
See **Action items #12-07-04 (closed), 12-07-05 (open), 12-07-06 (open)**, below for updates.
4. RNP overview non-technical briefing to present to CEOs and CFOs to solicit investments in it NOW. J. Williams

See **Action item #12-07-07 (open)** below for updates.
5. Communications WG update Kraft

Postponed due to Tom's absence.
6. Public F2F meeting Agenda. Nakamura

See **Action item #12-07-08 (open)** below for updates. Meeting to be held in May 06.

- 7. PARC Automation AT ToRs due for PARC's review. Abbott
See **Action item #12-07-09** (open) below for updates.
- 8. AC 90-100 Update AT. Alexander
See **Action item #12-07-10** (open), **12-07-11** (open) below for updates.
- 9. Human Factors WG. Abbott
See **Action Item #12-07-12** (open) below for updates.
- 10. PARC Public site progress update. Olga
See **Action Item #12-07-13** (open) below for updates.
- 11. ATA FMS TF
Bill has some material for the next telcon on January 18. Vaughn
- 12. 8260.52 criteria at KSUN and KPSP implementation Pinney
See **Action Item #14** (closed) below for updates.
- 13. Future PARC member F2F Dave Nakamura

February 21-22 – **THESE DATES CANCELLED**
 March 15-16 – Washington, D.C. (AMTI as of now)
 May Public Meeting Dates TBD (not May 22-26), Location TBD
 June 13-14
 September 12-13
 December 5-6

Telcon Attendees:

Kathy Abbott	Scott Foose
Ted Demosthenes	Tann Pinney
Frank Alexander	Doug Arbuckle
Wally Roberts	Pat Zelechowski
Cindy Nordlie	John McGraw
Hassan Shahidi	Don Porter
Mike Cramer	Steve Hickok
Ben Boehm	Olga Legoshina
Jerry Davis	Bill Vaughn
Bruce DeCleene	

Action Item Summary

January 4, 2006

Item No	Description	Owner	Action	Due Date
12-07-01	WAAS/RNAV benefits (RAA WAAS paper)	Dave Nakamura	<p>December 16, 2005 – Some items will be assigned to the CDWG. Dave will call Scott - COMPLETED. PARC needs to decide which other WG will be assigned this task and when it will be completed.</p> <p>January 4, 2006 update: Scott Foose will hold a telcon on Monday on critical issues from the RNAV group. Perry will be onboard to answer any questions Roger Burns may have. Jerry Davis will be involved as well. Follow-up is scheduled for the next telcon.</p>	01/18/06
12-07-02	RNP Roadmap publication schedule	Hassan Shahidi, Jeff Williams, Tann Pinney	<p>Finalize and re-plan of the RNP Roadmap publication schedule.</p> <p>January 4, 2006 update: To mitigate schedule delays and reduce coordination time, the new Roadmap will be briefed to the FAA executive committee on Jan 10th. The approval process will be briefed and a Jan. 23 deadline stipulated for ATO and AVS coordination comments. All comments received will be vetted and the final version will be sent for PARC final review in early to mid Feb. PARC review time will be 2 weeks with a recommendation to Nick planned NLT Mar 1. That leaves 3 weeks for Administrator approval and 1 week for final publication efforts to meet a March publication goal. Further coordination will be accomplished to facilitate approval by the administrator in 3 weeks. Action is closed.</p>	CLOSED
12-07-03	FASDAWG	Ted Demosthenes	<p>Provide feedback on the December 8th telcon to Tann Pinney.</p> <p>January 4, 2006 update: Ted Demosthenes stated that Jan 5th at 11:00 EST there will be a WG telcon. Everyone who is available is invited. The critical issues (i.e. approach procedures) will be done by the end of June or earlier (see schedule posted on the WG site).</p> <p>Action Item: Tann and Ted will take schedule discussions offline after the WG telcon.</p>	01/18/06

Item No	Description	Owner	Action	Due Date
12-07-04	RNP and RNAV performance values	Olga Legoshina	Post the combinations of RNP and RNAV performance values on the KSN site and email to Dave and Pedro. January 4, 2006 update: Olga posted the table and emailed the table to Dave and Pedro. Action closed.	CLOSED
12-07-05	RNP/RNAV performance values	Dave Nakamura	PARC to provide RNP/RNAV performance values for AFS analysis of separation standards and criteria for simultaneous parallel approaches. Dec7th status - Pedro Rivas will call Don Pate for further clarification of RNP RNAV performance. Dave Nakamura to assign to a WG. January 4, 2006 update: Pedro called Don Pate while Don was on vacation. Pedro will contact Don the week of Jan 9th.	01/18/06
12-07-06	PARC RNAV WG to answer items from John McGraw's RNAV briefing	Tann Pinney	Engage the PARC RNAV WG in answering the items identified during John McGraw's RNAV briefing (items needing further clarification) Dec 7, 05 status – Tann contact Roger Burns to open the discussion - done . Roger has an action to set up a meeting.	01/18/05
12-07-07	Non-technical RNP overview briefing	Jeff Williams	Prepare a non-technical RNP overview briefing to be presented to air carrier CEOs and CFOs to solicit investments in RNP/RNAV fleet capability. January 4, 2006 status: Posted on the PARC Main site (See announcements) Library under Reference Materials Category. Action Item: PARC to review and comment on this document.	01/18/06
12-07-08	Public F2F Mtg Agenda	Dave Nakamura	Develop a Public F2F meeting Agenda. When coordinating this meeting, the scope has increased to include the approved US RNP/RNAV documentation, an approved version 2 of the RNP Roadmap, and some of the presenters from the Toulouse meetings. With this change, and the attendance experience at the New Technologies workshop, two changes in the planned meeting are needed. First, the meeting will be delayed until May 2006, after RNP Roadmap approval. Second, the meeting facilities need to be able to handle potentially several hundred attendees. Cindy Nordlie assigned to publish a public meeting notice in the Federal Register January. January 3, 2006 Status – Olga contacted Chris Nehls on 12/7/05.	01/18/06

Item No	Description	Owner	Action	Due Date
			<p>Honeywell will be unable to handle more than 100 attendees.</p> <p>January 4, 2006 status: <u>Action Item:</u> Hassan to take a look at the draft agenda and make suggestions to Dave.</p> <p>Scott Foose requested for the Public meeting not to be scheduled for May 22-25 due to the RAA annual meeting in Dallas.</p>	
12-07-09	Automation AT ToRs Review	Kathy Abbott, Scott Foose, Bombardier, Steve Hickok	<p>PARC members to review the Automation AT ToRs.</p> <p>January 4, 2006 update: Kathy Abbott stated she received comments from Randy Kenagy (GA), Wally Roberts (NBAA), Airbus and Boeing.</p> <p>Randy's comments were:</p> <ol style="list-style-type: none"> 1) To add flight deck to the title to be more specific (accepted); 2) A request to expand the scope to include part 91 operations. Kathy suggested to proceed in phases: an initial phase to look at multiple crew operations and then single pilot operations. NBAA has very good guidelines for automation. <p>Airbus' comments were mostly editorial and clarification.</p> <p>Boeing comments represented a drastic reduction in the scope of the activity. Kathy will contact John Ackland to discuss.</p> <p>Kathy emphasized that this activity was directed by Nick Sabatini. He wants a broader scope especially concerning part 121 operations, the large transport airplanes. He asked that this activity be done as a joint PARC and CAST activity. The 1st meeting is in late February/early March. Phase 1 completion target is end of CY2006. Meetings are planed bimonthly.</p> <p><u>Action Item:</u> Kathy Abbott will have an offline discussion with John Ackland to discuss and resolve Boeing comments for the TOR update.</p> <p><u>Action Item:</u> The following groups are to nominate AT representatives: RAA and Bombardier.</p> <p><u>Action Item:</u> Kathy and Steve Hickok will have an off-line discussion concerning helicopter-related activities.</p>	01/18/06

Item No	Description	Owner	Action	Due Date
12-07-10	Contact DOT GPS Committee	TBD	<p>PARC needs to contact the DOT GPS committee headed by Mike Shaw to express the high dependence on GPS by the civil aviation industry.</p> <p>January 4, 2006 update: Action Item: Pedro Rivas will take a discussion with Bruce DeCleene offline. It needs to be better formulated. Pedro and Bruce will discuss this and then determine if it's an Action Item or not.</p>	01/18/06
12-07-11	AC 90-100 open issues impacting FMCs and CF leg Implementation	Dave Nakamura, Jeff Williams PARC	<p>Create a small group of PARC members to evaluate AC 90-100 open issues and how the resolution will impact FMCs and CF leg implementation.</p> <p>Jeff Williams has an action to follow up with OEMs. Jeff is setting a schedule with the OEMs. He is currently in touch with Bombardier and Embraer and is looking at the January timeframe to meet with them.</p> <p>January 4, 2006 update: The AT met on Dec. 12 in Phoenix. It revisited some of the positions it adopted at the last meeting.</p> <p>Action Item: PLEASE REVIEW AND ACCEPT/REJECT THE FOLLOWING RECOMMENDATIONS:</p> <ol style="list-style-type: none"> 1. All procedures in the AC should be based on the use of DME/DME/IRU and/or GPS. The Action Team recommends that the DME/DME only criteria remain in the AC to support the DME/DME/IRU criteria, but A/C using DME/DME-only systems be excluded from participation in the RNAV procedures described in AC 90-100 2. To bring the AC into harmonization with currently proposed ICAO definitions of RNAV and RNP, we recommend the removal of all references to the term RNP in the AC. 3. All terminal procedures should be classified as RNAV-1 from a charting standpoint but there may be different RNAV values associated with a procedure. We believe that the design criteria of RNAV-1 or RNAV-2 are of no interest to the pilot and have no bearing on his ability to fly the procedure. The expectation is that the pilot will fly the depicted course. 4. The AT recommends that the course depicted for a CF (course-to-a-fix) leg must come from the navigation data base and that pilot entry of a course for a CF leg is not acceptable <p>Next AT Meeting is scheduled for January 30th probably at ATA.</p>	01/18/06

Item No	Description	Owner	Action	Due Date
12-07-12	Lessons Learned to Human Factors	PARC	Provide lessons learned to Human Factors WG. January 4, 2006 update: There is a telcon tomorrow. Action Item was for PARC members to provide any lessons learned. Kathy will follow up on this Action Item.	01/18/06
12-07-13	PARC Public Website	Olga Legoshina	Current PARC documents are published on the PARC member and PARC Public KSN sites. PARC desires to have a totally public web site for posting documents. FAA to establish a link on the public AFS web site so PARC documentation can be posted for public review and comment. The FAA web people received approval from John McGraw to establish the new site. The link will be operational after the holidays. January 4, 2006 update: All of the materials for the site have been forwarded to Lisa Neal. The sites administrator was on leave until Jan 3rd. Waiting to hear planned completion date.	ASAP
12-07-14	NBAA procedure Design Issues	Tann Pinney	Coordination to be initiated to vet the procedure design issues raised by NBAA during the Nov F2F NBAA presentation. Dec 7, 2005 status – Tann researched the action item and requested further clarification. Clarification was received. Wally is working with John McGraw and Jeff Williams to review the briefing. Date of this review is TBD. Further action on hold until Tann can speak with John McGraw after the meeting with Wally. ACTION CANCELLED.	CLOSED
01-04-01	.42B AT ToR Review	PARC	Review and send comments on the ToRs to Steve Hickok at hickok@gulftel.com	01/18/06
01-04-02	RPAT AT Needed	Don Porter	Draft AT ToRs to work RPAT within the PARC. Don is having a meeting on January 10 th to start drafting the ToRs.	01/18/06