

**Summary of Meeting #13, of RTCA SC-186, Working Group 5
For the Development of a MOPS for UAT**
<http://adsb.tc.faa.gov/ADS-B/186-subf.htm>

The meeting was held 29 April through 3 May 2002, in the offices of Titan Systems in Mays Landing NJ, near the FAA Technical Center, hosted by Gary Furr. The meeting was called to order at 9 a.m. on 29 April 2002 by Co-Chairman George Ligler. George welcomed all attendees and asked that each one introduce themselves and their organization. The attendees included:

Larry Bachman – JHU – APL	George Ligler – PMEI	Albert Sayadian – Trios Associates
Bob Burns – Titan - FAATC - ACB-410	Bob Manning – L-3 Comm - USAF	Stuart Searight – FAATC – ACB-410
Nikos Fistas – Eurocontrol Headquarters	Chris Moody – Mitre CAASD	Tom Teetor - DCA
Gary Furr – Titan - FAATC - ACB-410	Tom Mosher – UPS Aviation Technologies	Bill Thedford – Titan (USAF Hanscom AFB)
Carl Gleason – Advancia – FAA/NISC	Tom Pagano – FAA Tech Ctr - ACB-410	David Thomas – Titan - FAATC - ACB-410
Richard Jennings FAA (AIR-130)	Ei Mon Phyu – Titan - FAATC ACB-410	Ed Valovage – Sensis Corp.
Stan Jones – Mitre CAASD	Bob Saffell – Rockwell Collins	Warren Wilson – Mitre Bedford

The following known regrets to attendance to this meeting were received prior to, or during the meeting:

- John Doughty – Garmin International
 - Mike Castle – JHU – APL
 - James Higbie – JHU – APL
1. George Ligler briefly commented on the process of the approval of DO-242A during the week of the previous WG-5 meeting at RTCA. Additionally, George mentioned that Ann Tedford and Costas Tamvaclis are co-chairing an ad hoc committee of representatives from RTCA and Eurocontrol for the purpose of arriving at a standard analysis of the 1090 MHz data link for the purpose of a common expression of range performance. George also indicated that he and several other WG-5 members would be traveling to Montreal on 21 – 23 May for the purpose of making presentations on UAT to the ANC Committee of the Whole with respect to starting the process of SARPS for UAT.
 2. The Working Group was asked to review and approve the Minutes to Meeting #12. Hearing no comment or request for change, the Minutes to Meeting #12 were accepted as published.
 3. The Working Group discussed future meeting dates and locations. The following table indicates the currently agreed upon meeting dates and places for meetings of RTCA SC-186 Working Group #5. There are currently no planned meeting dates after the Plenary approval of the UAT MOPS. Further discussion of future meetings will occur during Meeting #14 at RTCA prior to the June Plenary

Dates/Time	Meeting Place
9am Monday, 17 June to 4pm Friday, 21 June	To be held in conjunction with the SC-186 Plenary at RTCA facilities: WG-5 to meet Mon, Tues & Wed, with Plenary on Thurs & Fri Travel info and lodging details are available on the ADS-B/UAT web site
Fall 2002 Joint RTCA & Eurocae Plenary: 23 – 24 Sept.	Fall 2002 RTCA SC-186 Plenary scheduled for Monday & Tuesday, 23-24 September. This is not a WG-5 meeting, but many members will want to attend the Joint Plenary to discuss DO-242B consolidated requirements.

4. The Working Group reviewed the list of Open Action Items and it was agreed that Action Items 12-01 and 12-02 were satisfied with the publication of simulation results in the version of Appendix K that the Working Group will review during this meeting. Further, the Working Group agreed that it was necessary for Larry Bachman and Mike Castle to perform the analysis requested in Action Item 10-4 and present those results on Monday, 17 June at the beginning of Meeting #14.

5. As noted in the proposed Agenda to Meeting 13, prior to the meeting section 2.1 and numerous appendices of the Draft UAT MOPS had already been approved by the Working Group for Plenary review. These included:

Section 2.1, Appendices A, C, F, G, H, I, J, L, M and N

6. The Working Group continued by beginning the review of the 14th draft of the UAT MOPS Section 2.2. Review of Section 2.2 continued throughout much of the remainder of the meeting, and resulted in a version that is ready for Plenary Review.

7. The Working Group next reviewed the 6th draft of UAT MOPS Section 2.4, and the updated Test Procedures Status Matrix. Review of Section 2.4 continued throughout most of the remainder of the meeting, and resulted in a version that is ready for Plenary Review.

8. The Working Group next reviewed the 1st draft of UAT MOPS Section 2.3. Review of Section 2.3 continued until it resulted in a version that is ready for Plenary Review.

9. The Working Group next reviewed the 2nd draft of UAT MOPS Appendix E. Review of Appendix E continued until it resulted in a version that is ready for Plenary Review.

10. The Working Group next reviewed the 4th draft of UAT MOPS Appendix B. Review of Appendix B continued until it resulted in a version that is ready for Plenary Review.

11. The Working Group next reviewed the 4th draft of UAT MOPS Section 1. Review of Section 1 continued until it resulted in a version that is ready for Plenary Review.

12. The Working Group next reviewed the 5th draft of UAT MOPS Section 3. Review of Section 3 continued until it resulted in a version that is ready for Plenary Review.

13. The Working Group next reviewed the 5th draft of UAT MOPS Section 4. Review of Section 4 continued until it resulted in a version that is ready for Plenary Review.

14. The Working Group next reviewed the 5th draft of UAT MOPS Appendix D. Review of Appendix D continued until it resulted in a version that is ready for Plenary Review.

15. The Working Group next reviewed the 6th draft of UAT MOPS Appendix K. Review of Appendix K continued until it resulted in a version that is ready for Plenary Review. During review of Appendix K, the Working Group discussion led to the agreement that we would create a new Appendix O, entitled “**DME Operation in the Presence of UAT Signals.**” Appendix O will provide a summary of testing and analyses that verifies UAT compatibility with Distance Measuring Equipment (DME), and that DME equipment will operate without

degradation in the presence of UAT and Joint Tactical Information Distribution System (JTIDS) signals at the levels of the Standard Interference Environment defined in Appendix G. Tom Pagano and FAA Tech Center personnel will put Appendix O together as quickly as possible, but it is not envisioned to be ready at the time the main document is sent out to SC-186 for review. Appendix O will be posted and sent to SC-186 as soon as possible.

16. The following **Action Items** were identified during the course of this and previous meetings. The asterisk (*) beside a name or organization indicates that they are the lead for the resolution of that Action Item. Actions shown here are those **Action Items** that remain OPEN, in total or in part, after the end of the Meeting being report on in these Minutes.

Action Number	Action Description	Assigned to	Status
10-4	Simulate the reception of different aircraft on approach (2000 feet) by A0 on the ground. Bottom only antenna.	Mike Castle Larry Bachman	Review 17 June

17. There were no **Working Papers** presented during Meeting 13 since the sole focus of Meeting 13 was to review all Sections and Appendices of the Draft UAT MOPS that had not already been declared as “Ready for Plenary Review.” All Working Papers for all WG-5 Meetings, as well as the Meeting Agendas, Meeting Minutes, Meeting Schedules and files leading to the production of a UAT MOPS will continue to be posted on the ADS-B UAT web site located at: <http://adsb.tc.faa.gov/ADS-B/186-subf.htm>