

**Summary of STP Teleconference  
and work related to SC-186 ASAS MOPS  
STP Work Group (WG-4B)  
08/31/2005**

Documents pertaining to this meeting are available at:

<http://adsb.tc.faa.gov/WG4.htm>

A teleconference for the Surveillance Transmit Processing (STP) subgroup of Working Group 4B (WG-4B) was held August 31, 2005 from 1 p.m. to 2:25 p.m. in support of Aircraft Separation Assistance Systems (ASAS) MOPS. STP Chairman Jonathan Hammer (MITRE) greeted the attendees and asked each to introduce themselves. Teleconference participants were:

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Meeting Notes:

- 1. Opening Remarks** – After the STP members were welcomed, Jonathan reviewed the agenda for the day. The main focus of the telecom would be a review of Action Items and other preparations before the September 20-22 meeting. The agenda included:
  - A review of all open STP Action Items
  - A review STP MOPS document progress as it related to preparations going into the Sept. 20-22 meeting at RTCA
  - Announcements of important dates and events for STP members
- 2. Action Item Review** – STP Action Items were reviewed. The following updates, revisions and changes were made:

- Action Item 7-8 – Charles Sloan (FAA) was to determine requirements for ADS-B certification. He has made some progress in this area but still does not have an end date in sight. Charles will continue to research the issue and report his findings at the September 20-22 meeting.
- Action Item 7-12 – Tony Warren (Boeing) was to create an outline for the Appendix section of the STP MOPS draft. Tony completed the section and is waiting for feedback from the membership. This Action Item was closed.
- Action Item 8-11 – Don Walker (Honeywell) was to put "HEPU<sub>stp</sub>" and other necessary definitions in the glossary appendix. It was not clear what definitions needed to be added since several sections were removed at the July 26-28 meeting. This AI will be revisited at the Sept. 20-22 meeting.
- Action Item 8-12 – Bob Saffell (Rockwell Collins) was to make sure the FMS puts out integrity accuracy values that correlate ... that there is a consistent method of providing integrity information. Tony Warren remembered that Bob was going to attend the AEEC FMS Subcommittee Meeting (September 12-14 at Everett, Wash.) and would probably complete the AI at that time. This AI will be revisited at the Sept. 20-22 meeting.
- Action Item T6-1 – Jonathan Hammer was to provide time to review Ken Carpenter's papers about Geometric Altitude (regarding separation provision and collision-avoidance requirements.) The review was pushed back until the Sept. 20-22 meeting.
- Action Item 9-5 – Jonathan Hammer was to contact the FAA to attempt to have it re-evaluate AC priority regarding STP. Jonathan polled FAA members participating in the telecom. Charles Sloan and Sheila Mariano (FAA AIR 130) indicated the FAA favored a scenario that would put STP AC material into a forthcoming surveillance AC. This surveillance AC has been proceeding through channels but could be released as early as September 2005. Unfortunately, any STP input would more than likely have to go in as part of an update to this Surveillance AC. To do so, it would probably have to be submitted by January 2006 to make it through FAA legal channels by this time next year.
- Action Item 9-6 – Jonathan Hammer was to assist Chris Moody (MITRE) and Chuck Manberg (ACSS) in the preparation of requirements for the proposed STP AC. Jonathan and Chris have begun working on this and are going to review it with Chuck next week and have something for the STP Subgroup to review at the September 20-22 meeting.
- Action Item 9-7 – Sheila Mariano was to poll vendors and other shareholders regarding the need for an ADS-B On/Off/Standby switch. She is still investigating this AI and has made some progress. Air Traffic Controllers in

Alaska want the switch for a variety of reasons. Controller complaints include false conflict alerts, 4096 transponder code issues and bogus separation violations. The discussion yielded other indication issues that need to be addressed (e.g., an GPS unavailable indication.) This AI will be revisited at the September 20-22 meeting.

- Action Item 9-8 and 9-9 – Don Walker was unable to call into the telecom. These AI were pushed back to the September 20-22 meeting.
  - Action Item 9-11 and 9-12 – Chuck Manberg was to Investigate the creation of a diagram that depicts data inputs and selection (and includes NIC computation used for switching) and create a source selection section for the proposed STP material that the FAA would prefer to become part of the upcoming Surveillance AC. Chuck was nearly finished with “Management of State Data Sources” material and will forward it to Bruce as soon as possible. These changes will be melded into the STP MOPS draft prior to the September 20-22 meeting.
  - Action Item 9-13 – Tony Warren was to develop material for the proposed STP AC pertaining to FMS data requirements. This works is ongoing.
  - Action Item 9-14 – Joel Wichgers was to revise the table dealing with HEVU<sub>stp</sub> and VEVU<sub>stp</sub> to make it a table lookup. Tony Warren was to provide input. He said it might work but needed further evaluation. Both agreed that this AI needed to be reworded to indicate Tony would validate HEVU formulation or propose a valid alternative in the cases when SA is off. Joel and Tony will have this completed prior to the December meeting.
3. **Interop Draft Material.** Jonathan Hammer reminded STP Subgroup members that RFG/Interop members would be at the September 20-22 meeting at RTCA. Jonathan asked everyone to review the draft material (originally distributed August 15, 2005) and provide feedback at the joint meeting.
  4. **STP Draft Material Deadlines.** STP Subgroup members wanted more time to review the mature version of the STP MOPS draft prior to the meeting. It was agreed that all authors working on updates to the STP MOPS draft would ship their material to Bruce by COB Thursday, September 8 and that he would issue the updated mature STP MOPS for review by COB Monday, September 12. Authors not participating in the telecom would be contacted by Jonathan and informed of these changes.
  5. **Focus of September 20-22 Meeting.** Jonathan Hammer reminded the telecom members that the focus of the upcoming meeting would be document approval. STP and Interop are both on the same approval track and need to meet upcoming deadlines.

6. **New Action Items.** The following new Action Items were assigned:
- All STP Subgroup members will review Tony Warren's Appendix layout and provide feedback by the September 20-22 meeting.
  - Jonathan Hammer will redistribute the latest Appendix (dated August 5) and make sure Bob Saffell and Don Walker know about the revised delivery dates for STP MOPS material
  - Joel Wichgers will revise his sections for insertion into the STP MOPS draft by September 8.
  - Chuck Manberg will complete his revisions and deliver them to Bruce Paul prior to COB September 8.
  - Jonathan Hammer will add a discussion of next generation ADS-B strategy to the upcoming meeting agenda. Jonathan will also arrange for Brook Assefa (Boeing) to call in if Brook isn't available to make the presentation.
7. **Future Meetings.** The STP SG will meet again September 20-22 at RTCA in Washington DC. The meeting is a joint STP/Interop gathering. The meeting after that is slated December 5-7 at RTCA with a SC-186 Plenary slated December 8.
8. **STP/ Interop Adjournment** – STP SG members adjourned their meeting Tuesday at 2:25 p.m..