

Agenda for RTCA SC-159 Working Group 4
(LAAS / Precision Navigation)

Meeting Date: October 8-9, 2014 **Time:** Wednesday: 9:00 AM to 5:00 PM
(Wednesday and Thursday) Thursday: 9:00 PM to 5:00 PM

Place: **Day 1: at NBAA** (~1 mile from RTCA) 1200 G Street NW; Suite 1100; Washington, DC 20005
[See Map to NBAA facilities on page 3 of this agenda]
Day 2: at RTCA Inc. 1150 18th Street NW; Suite #910; Washington, DC 20036

Chairmen: Joel M. Wichgers (Chair) Dean Rudy (Vice-Chair)
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1. Introductions / Review Agenda All
2. Discuss Status/Plans and Coordination Items for LAAS Relevant Groups:
 - a. FAA GBAS Activities Update John Warburton
 - b. DoD JPALS Program Activities Update Tin Ying
 - c. ICAO Navigation Systems Panel CSG Activities Update Bruce Johnson
 - d. EUROCAE WG-28 Activities Update Laurent Azoulai
3. Proposed VDB Format Definition Changes to support Multi-constellation Andreas Lipp
4. GBAS Cat. III VDB Link Budget Update and ICAO Activities Laurent Azoulai
5. VDB Change Proposal and Aircraft Implementation Loss (Action #2) Orville Nyhus
6. GBAS Cat. III Flight Tests on Airbus Aircraft – Initial Results Laurent Azoulai
7. SESAR GAST D Validation – GBAS Cat II/III Flight Test Initial Results Jolana Dvorska
8. Potential MOPS Issue: GCID Changing Selected Service Type. Consider C to D and D to C transitions. Ref. LAAS MOPS requirements [367 and 401] Barbara Clark
9. Guided Take-off ConOps and First ID of LAAS MOPS Rqmts. Changes to Incorporate Guided Take-off (Action #18) Laurent Azoulai
10. Action Item Status Review, Discussion, & Resolution (Numbers correspond to Action Matrix):
 - a. Action Item #7: VDB Time-to-Alarm Authentication Protocol Barbara Clark
 - b. Action Item #9: Clarify Acquisition & Reacq. Rqmts. and Tests Daniel Domey
 - c. Action Item #10: Required Delays Barbara Clark
 - d. Action Item #11: Extended Service Volume Ops. Concept Status B. Clark / C. Majauskas
 - e. Action Item #12: Extended Service Volume Allocation Status Matt Harris
 - f. Action Item #13: Investigate Incorporating DCPS in MOPS Status Matt Harris
 - g. Action Item #15: Consistency of Inputs /Assumptions Used to Incorporate Information B. Clark /H. Abduselam
 - h. Action Item #20: LAAS MOPS Terminology Consistency Matt Harris
 - i. Action Item #21: Equatorial Iono. Assistance for GAST C & D Matt Harris
 - j. Action Item #23: Review of LAAS MOPS Up Front Material Barbara Clark
 - k. Action Item #24: Cross Correlation: Add Reference for Acq. Impact Rick Cassell

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- l. Action Item #25: Cross Correlation: Consider/Draft Rqmt. to address impact of cross correlation on measurement error John Savoy
 - m. Action Item #26: Cross Correlation: WG-6 to report to WG-4 on work done on cross correlation analysis Bob Erlandson
 - n. Action Item #27: Investigate whether or not the analysis has double counted the mismatch at the receiver input Orville Nyhus
 - o. Action Item #28: Ground station manufacturers to evaluate feasibility of meeting -62 dBm at 38 feet height above runway Bruce Johnson
 - p. Action Item #29: Status of ID ConUse cases for RNAV use of DCPS Joel Wichgers
11. LAAS MOPS Document Review
- a. Entire DRAFT LAAS MOPS Set of Changes Barbara Clark
 - b. Walk through of Proposed Potential Appendix on Inertial Integration Mats Brenner
12. Other Business:
- a. Fault Detection Performance Jolana Dvorska
 - b. Proposed New Uplink Parameter for GAST D for Distance Dependent Iono Bounding Bruce Johnson
 - c. Proposal to Always Link B-value Index to a Physical Reference Receiver in GS Bruce Johnson
 - d. Question Regarding Airborne VDB Receiver Recovery Time from Operation at or above Saturation Level Bruce Johnson
 - e. GBAS MOPS Issues Yi Ding / J. Studenny
 - f. TBD
13. Discuss Work Plan and Establish Time/Place for the Next Meeting Joel Wichgers

[Note that the agenda items and order when they are discussed are subject to change.]

- End Agenda -

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Mapquest Map Between RTCA (point “A”) and NBAA (point “B”).

Note: The “Mapquest” route assumes driving in proper directions on the one-way streets. If walking, you can obviously walk on the sidewalks against the one-way traffic flow, and not need to do the “loop” around RTCA. If taking the metro, NBAA is close to the “Metro Center” station.

The screenshot displays the Mapquest website interface. At the top, the browser address bar shows the URL www.mapquest.com/#1026a5cca94156dbd52c11e3. The main search area contains two input fields: the starting point "1150 18th Street NW, Washington DC 200" and the destination "11200 G St NW, Washington, DC 20005". A "GET DIRECTIONS" button is visible below the search fields.

On the left side, there are several panels:

- Suggested Routes:** Lists three options with estimated fuel costs:
 - H St NW to 14th St NW: 1.32 miles, 5 mins, Est. Fuel Cost \$ 58
 - H St NW to 12th St NW: 1.30 miles, 5 mins, Est. Fuel Cost \$ 61
 - US-29 N: 1.34 miles, 5 mins, Est. Fuel Cost \$ 79
- Travel Options:** Includes a "Hotel" tab, a location search field, and a "Book Now" button.
- Driving Directions:** Shows the start and end points: "1150 18th St NW, Washington, DC 20036-3803" and "11200 G St NW, Washington, DC 20005".

The main map area shows a blue route starting at point A (1150 18th St NW) and ending at point B (11200 G St NW). The route follows a path through downtown Washington, DC, including streets like Massachusetts Ave, Pennsylvania Ave, and various local streets. Landmarks such as the White House and the Metro Center station are visible. The map includes standard navigation controls like zoom in/out and a compass.