



ASOS Test Review Board (ATRB)

AGENDA ATRB

November 14, 2008

1. **Convene - 10:00 AM EDT**

The next meeting of the ASOS TRB will be held on Friday, November 14, 2008, from 10:00 a.m. to 11:30 a.m. EDT at National Weather Service (NWS) Headquarters, Room 08246. "GOTOMEETING" teleconferencing will be setup to accommodate for those persons who cannot attend the meeting. Invited guests include John Monte and Joel Williams (W/OST11) for the CL31 Ceilometer Replacement Project, Greg Daylai (OPS12) for the OID/VDU Replacement using Thin Clients, Khien Nguyen (OPS24), for the System Test (ST) for the CL31 and associated ASOS Acquisition Control Unit (ACU) firmware Version (V) 2.79S and Data Collection Platform (DCP) V2.0 Erasable Programmable Read Only Memory chip, and Joseph Fiore (OPS24) for the corresponding Operational Test & Evaluation (OT&E) and the CL31/CT12K meteorological comparison evaluation.

2. **Chair** [10 Minutes]

- Call to order.
- Role Call for members, alternates, and invited guests.

3. **OLD BUSINESS**

A. Status report by focal points on individual "OPEN" Action Items (See 10/09/08 Minutes) [15 Minutes].

Action Item 1: (OPEN) The minutes from the ATRB meetings, test plans, test reports, and the Powerpoint presentations will be put on the OPS24 web site under ASOS for user access in the near future. The link to the OPS24 website is:

http://www.nws.noaa.gov/ops2/ops24/documents/atrb_docs.htm

Action Item 2 (9/4/08): (OPEN) John Monte will perform a test of the bird abatement devices without the 4 short rod extensions at Sterling Field Support Center (SFSC), Sterling, VA before the ASOS CL31 Ceilometer Replacement OT&E and provide the test results to the ATRB.

STATUS: John Monte (OST11) stated the test plan for the test of the ceilometer bird abatement device would be available for review next week (October 14-17). The test should follow shortly after the test plan is complete.

Action Item 3 (9/4/08) - REVISED (OPEN) John Devost (OPS12) will provide Peggy Hoch OPS23 with a modified version of NWS Mod Note 80: ACU Firmware V2.79S/DCP V2.0 EPROMS for ASOS Ceilometer Replacement (CL31) ST based on October 8 changes from OPS24's installation of CL31 at SFSC. OPS23 will confirm they still need the draft Mod Note 80.

Action Item 1 (10/9/08): (OPEN) Assigned to the (Bing Huang) FAA and Khien Nguyen (OPS24). Bing will request Harris Corporation check to make sure the FAATC and SFSC both have one GDC modem and one Intraplex multiplexer for the FTI communications between the two facilities. Khien will coordinate with the James Brand (FAATC) on the dates for testing the new FTI link during ST for the Intraplex multiplexer first and later for the GDC modem when these modems are installed. Khien will inform Bing Huang of the test dates so he can witness these tests at SFSC.

Action Item 2 (10/9/08): (OPEN) Assigned to Jerry Dinges (OPS24). Jerry will post the final version of the CT12K and *CL31 Ceilometers Meteorological Comparison Evaluation Plan*, October 2008, to the OPS24 Webpage.

Status: The final version is posted to the OPS24 webpage

http://www.weather.gov/ops2/ops24/documents/ASOS_CL31_MET_COMP_TEST_PLAN_FIN_AL102908.pdf

Action Item 3 (10/9/08): (OPEN) Assigned to John Monte (OST11). John Monte will incorporate changes to the final installation instructions for the temporary mount for the CL31 test ceilometer (provided by OPS22 and OPS24) and provide the installation instructions and final parts list with accounting codes to OPS24 for distribution the CL31 ST sites, NWS regional focal points, and DoD ATRB representative on Friday October 10. The NWS regional focal points will then distribute the instructions and parts list with accounting codes to the NWS El Techs for the appropriate OT&E sites that need the temporary mount. The goal is to have the temporary mounts installed by the El Techs at OT&E sites by the end of October.

NOTE: OST11 provided the above information to OPS24 on Friday, October 10.

Action Item 4 (10/9/08): (OPEN) Assigned to Jerry Dinges (OPS24). Jerry will send the instructions and list of materials for installing the temporary mounts for CL31 to the NWS regional ASOS focal points and the DoD ATRB representatives. The OST11 account code to charge the materials obtained will also be included. For the DoD sites, John Monte will ship the required materials to the DoD representatives/sites.

NOTE: Jerry Dinges sent the instructions, list of materials and OST11 account coded to the NWS regional ASOS focal points on Friday, October 10.

Action Item 5 (10/9/08): (OPEN) Assigned to Jerry Dinges (OPS24). Jerry will contact Deborah Levine, NWS Change Management, to inform her to “fast track” the FAA RC to change the ASOS OID at ORD international airport, Chicago, IL to a VDU.

NOTE: Jerry Dinges spoke with Deborah Levine, on Tuesday, October 14.

Action Item 6 (10/9/08): (OPEN) Assigned to John Monte (OST11). John will provide the ATRB with the previous winter (2006-2007) test report documenting the tests results of early versions of the altered AWPAG wind screen as additional documentation to show the current screen is compliant with the improved precipitation collection by the AWPAG. John will also use the test results for this winter season (2008 -2009) as additional evidence the altered screens at Cold Bay and Bethel, AK as well as at Johnstown, PA/SFSC, Sterling, VA. show both improved precipitation collection and durability of the screen in extreme wind conditions.

STATUS: John provided the report to Jerry 10/20/08. The report has been posted to the OPS24 web page.

http://www.nws.noaa.gov/ops2/ops24/documents/AWPFNLRPT_07.pdf

Action Item 7 (10/9/08): Assigned to John Monte (OST11). John will submit a Test RC for the the AWPAG wind screen to the ASOS Configuration Control Board as a prerequisite for the operational testing of wind screens.

Action Item 8 (10/9/08): Assigned to John Monte (OST11). John Monte will order the production units for the altered wind screens from OTT for placement in NLSC. NOTE: A six week lead-time is required.

Action Item 9 (10/9/08): Assigned to Greg Dalyai (OPS12). Greg will coordinate with Jerry Dinges (OPS24) on the delivery dates of the draft NWS Mod Notes required for the IFW Firmware V4.54 and the AWPAG altered wind screens. They will be needed for start of the System Tests.

STATUS: OPS12 states the mod note for the IFW firmware change is minor and only requires changing the firmware version number in the note. OPS12 will target Friday, November 7 as the deliver date of a draft mod note for AWPAG altered wind screen

Action Item 10 (10/9/08): Assigned to Jerry Dinges (OPS24). Jerry will plan the test strategies, resources, and schedules for the STs and OT&Es for the IFW Firmware V4.54 upgrade and the AWPAG latest modification to the wind screen.

Action Item 11 (10/9/08): Assigned to John Monte (OST11). John agreed to present to the

NWS regional ASOS focal points all the changes to the IFW firmware as well as the AWPAG firmware and altered wind screen.

Action Item 12 (10/9/08): Assigned to David Mannarano (OPS22). Dave agreed to schedule the above presentation date with the NWS regional ASOS Focal Points. He will also take the lead to ensure a policy decision is formally agreed on for threshold temperatures values for the AWPAG orifice heater turn-on and cut-off based on LogoSense V3.61 and the orifice heater controller firmware V2.1).

Action Item 13 (10/9/08): Assigned to Jerry Dinges (OPS24). Jerry Dinges will work develop operational test strategies, resources, and schedules for the AWPAG LogoSense V3.61 and the AWPAG orifice heater controller V2.1 subsequent to the completion of Action Items 11 and 12.

B. Review and ratify previous minutes (10/09/08).

C. Update on ASOS OID/ VDU Replacement Using Thin Client – Greg Dalyai (OPS12)
[5 Minutes]

4. NEW BUSINESS

A. SYSTEM TEST CL31 CEILOMETER REPLACEMENT TEST RESULTS

[15 minutes]

Khien Nguyen (OPS24) will present the final test results for the ST for the CL31 and support ASOS ACU V2.79S and DCP V2.0 EPROMs.

B. UPDATE ON CL31/CT12K METEOROLOGICAL COMPARISON EVALUATION

[10 minutes]

Joseph Fiore (OPS24) will present the results up to the end of the ST.

C. OT&E CL31 CEILOMETER REPLACEMENT TEST READINESS REVIEW

[15 minutes]

Joseph Fiore (OPS24) will present the OT&E plan including test objectives, evaluation criteria, and methodology.

ACTION 1: The ATRB will decide whether to approve proceeding to OT&E prior to national deployment.

ACTION 2: The ATRB will decide whether the meteorological comparison evaluation should extend into the OT&E.

D. IFW V4.54 SYSTEM TEST READINESS REVIEW

[15 minutes]

Harry Tran /Jerry Dinges (OPS24) will present an overview of the System Test plan including test objectives and evaluation criteria, and methodology

ACTION 3: The ATRB will decide whether to approve the ST for IFW V4.54 and confirm not OT&E is required for national deployment at operational ASOS sites.

E. OPERATIONAL TEST STRATEGY FOR VERSION III OTT 8-FT. DIAMETER ALTER WIND SCREEN ON AWPAG

[15 minutes]

Jerry Dinges (OPS24) will present the test strategy

ACTION 4: ATRB will decide whether to approve the test strategy.

5. **SCHEDULE NEXT ATRB MEETING**

Coordinate DATE/TIME/LOCATION. [5 Minutes]

6. **ADJOURN**

7. **EXECUTIVE SESSION**

(Special session called when needed. The session closed except for the ATRB members and alternates.)