



## ASOS Test Review Board (ATRB)

### AGENDA ATRB

February 5, 2009

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

The next meeting of the ASOS TRB will be held on Thursday, February, 5, 2009, from 10:00 a.m. to 12:00 p.m. EST at National Weather Service (NWS) Headquarters, Room 03246. "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, and Greg Daylai (OPS12) for the OID/VDU Replacement using Thin Clients. Khien Nguyen (OPS24), will present the status for the System Test (ST) for the CL31 and associated ASOS Acquisition Control Unit (ACU) firmware Version (V) 2.79T and Data Collection Platform (DCP) V2.0 Erasable Programmable Read Only Memory chip, and Joseph Fiore (OPS24) will present the status for the CL31/CT12K Meteorological Comparison Evaluation, IFW V4.54, and the AWPAG Version III OTT Alter 8-ft diameter wind screen.

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 11/14/08 Minutes) [35 Minutes].

**NOTE: The minutes from the ATRB meetings, test plans, test reports, and the MicroSoft 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](http://www.nws.noaa.gov/ops2/ops24/documents/atrb_docs.htm)

**Action Item 1 (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 reported testing of the bird deterrent would start at SFSC on November 17.

**Action Item 2 (10/9/08) (OPEN):** Assigned to John Monte (OST11). John will submit a Test RC for the AWPAG wind screen to the ASOS Configuration Control Board as a prerequisite for the operational testing of wind screens. **UPDATE:** There will be no OT&E conducted for the new AWPAG wind screen. There will be an ST to evaluate the Mod Note and installation of the new wind screen at SFSC and IAD. **John Monte will update the RC to reflect this change and he will submit an RC for deployment if the ST is successful.**

**Action Item 3 (10/9/08) (OPEN):** 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. **UPDATE:** The process for ordering the wind screens has started.

**Action Item 4 (10/9/08) (OPEN):** 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. **UPDATE:** The Mode Note for the IFW Firmware 4.54 was complete. **NOTE: Jerry Dinges will contact Greg Dalyai (W/OPS12) next week (11/17/08) for an update on the status of Mod Note for the AWPAG wind shield.**

**Action Item 5 (10/9/08):** Assigned to David Mannarano (OPS22) will 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 6 (10/9/08) (OPEN):** Assigned to Jerry Dinges (OPS24). Jerry Dinges will 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. **UPDATE:** The AWPAG LogoSense V3.61 and AWPAG orifice heater controller V2.1 firmware is a lower priority task, but is being planned for testing in 2009.

**Action Item 7 (11/14/08) (OPEN):** Assigned to John Monte (W/OST11). John will update the test RC for the new AWPAG Wind Screen to reflect that there will be an ST but no OT&E, and he will submit an RC for deployment of the new AWPAG Wind Screen if the ST is successful.

**Action Item 8 (11/14/08) (OPEN):** Assigned to Jerry Dinges (W/OPS24). Jerry will contact Greg Dalyai (W/OPS12) next week (11/17/08) for an update on the status of Mod Note for the AWPAG wind shield.

**Action Item 9 (11/14/08) (OPEN):** Assigned to Jerry Dinges (W/OPS24) and Greg Dalyai (W/OPS12). Jerry stated that he will meet with Greg to discuss the hold up in the delivery of the first article for the VDU Thin Client.

**Action Item 10 (11/14/08) (OPEN):** Assigned to Khien Nguyen (W/OPS24) Khien will run extensive tests at SFSC concerning CL31 Ceilometer ASOS ACU V2.79S System Test TTR (“False UPS Power Status Indicator”) to help provide more information to W/OP23 to help them isolate the problem. This information will be included in an updated OTR.

**Action Item 5 (11/14/08) (OPEN):** Assigned to Joe Fiore (W/OPS24) and appropriate W/OPS22 personnel. Joe will work with W/OPS22 personnel to develop a draft “white paper” explaining differences between the CT12K and CL31 ceilometers and provide it to the ASOS users and to the FAA during OT&E.

**Action Item 6 (11/14/08) (OPEN):** Assigned to Richard Parry (W/OPS22). Rick will ask the Alaska Region Headquarters staff to find out how high of winds are at Cold Bay and Bethel, Alaska experience (similar to Chinook winds seen in Colorado) for the OTT 8-FT. Diameter Alter Wind Screens on AWPAG (NCAR representative requested this action).

**B. Review and ratify previous minutes (11/14/08)**

[5 minutes] - Under “Meeting Minutes” on OPS24 Webpage:

[http://www.nws.noaa.gov/ops2/ops24/documents/atrb\\_docs.htm](http://www.nws.noaa.gov/ops2/ops24/documents/atrb_docs.htm)

**C. Update on ASOS OID/ VDU Replacement Using Thin Client OT&E**

[10 minutes]

Joe Fiore (OPS24) will give a brief status report.

**D. Update on System Test for CL31 Ceilometer Replacement with ASOS ACU V2.79T** [20 minutes]

Khien Nguyen (OPS24) will present the test results thus far for the ST for the CL31 and supporting ASOS ACU V2.79T and DCP V2.0 EPROMs.

**E. Update on CL31/CT12K Meteorological Comparison Evaluation**

[15 minutes]

Joseph Fiore (OPS24) will present the results up to the end of the ST (NOTE: Draft report for data collected up through December 31, 2008 provided for ATRB review January 22, 2009).

**F. Update on IFW V4.54 System Test Plan and Schedule.**

[10 minutes]

Joe Fiore (OPS24) will give brief status report. The official plan is posted to the W/OPS24 webpage on Wednesday, January 28, 2009.

[http://www.nws.noaa.gov/ops2/ops24/documents/asos\\_ifw\\_docs.htm](http://www.nws.noaa.gov/ops2/ops24/documents/asos_ifw_docs.htm)

**G. Update Draft NWS Mod Note Validation as Prerequisite to National Deployment Of Version III OTT 8-ft. Diameter Alter Wind Screen on ASOS AWPAG.**

[10 minutes]

Joe Fiore(OPS24) will give brief status report.

4. **NEW BUSINESS**

(NONE)

5. **SCHEDULE NEXT ATRB MEETING**

Coordinate DATE/TIME/LOCATION. [5 Minutes] -

PROPOSE: DATE - March 2009 – New Business topics include ST strategies (objectives, evaluation criteria, and methodology) for:

- ASOS Version 3.01 (Include ceilometer replacement S/W + IFW QC algorithm + V3.0 new functionalities)
- AWPAG LogoSense V3.61 with Orifice Heater Controller V2.1

6. **ADJOURN**

7. **EXECUTIVE SESSION**

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