

“CL31 Replacement with ASOS ACU V2.79V and DCP V2.0 EPROM” OT&E Test Review Group Status Meeting

June 25 2009

ATTENDEES:

NWS:

OT&E Site Electronics System Analyst (ESA)/ Electronic Technician (ET):

WFO Caribou, ME
WFO Burlington, VT
WFO Wilmington, OH
WFO Blacksburg, VA
WFO Jackson, KY
WFO Gaylord, MI
WFO Midland, TX
WFO Phoenix, AZ
WFO Norman, OK
WFO Spokane, WA
WFO Fairbanks, AK

NWS Regional Headquarters:

Don Bolton, ARH (ABSENT)
Jim Jones, ARH (ABSENT)
Robbie Parker ET Fairbanks, AK (representing ARH)
John Bush PRH
Lew Harrington, SRH RMS
Dan Lester, CRH RMS
Tom Townsend CRH (ABSENT)
Duane Wilkenson CRH ASOS Focal Point (ABSENT)
Matt Ferrell, ERH RMS (ABSENT)
Kevin Murray, ERH (ABSENT)
Tim Rutkowski, ERH (ABSENT)
Son Nguyen, WRH (ABSENT)

National Weather Service Headquarters:

John Monte – W/OST11
Joyce Dickerson – W/OST11
Greg Dalyai – W/OPS12
Joseph Devost – W/OPS12
Mickey Renegar – W/OPS12
David Mannarano – W/OPS22
Richard Parry - W/OPS22
Chet Schmitt – W/OPS22 (ABSENT)
Peggy Hoch – W/OPS23 (ABSENT)
Hak Kim – W/OPS23

Kevin Conaty – AOMC (ABSENT)
Tony Weiss -AOMC
Beth McNulty – W/OS23
Laura Cook – W/OS7
Fred Hauschildt – W/OPS14
Jennifer Dover – W/OPS22
Brian Rice – SAIC SFSC (ABSENT)
Barbara Childs – SAIC SFSC (ABSENT)
Khien Nguyen – W/OPS24
Harry Tran – W/OPS24 (ABSENT)
Joseph Fiore – W/OPS24 (OT&E Test Director)
Jerald Dinges – W/OPS24 (Moderator)

National Weather Service Training Center

Bob Retzlaff - Kansas City, MO (ABSENT)

National Reconditioning Center (NRC)

Mark Russo – Kansas City, MO (ABSENT)

NWS Employees Organization (NWSEO) Representative:

Chris Kornkven –WFO Milwaukee, WI

FAA:

Bing Huang, ATO- T
Jerry Kranz, (contractor) (ABSENT)

DOD - U.S. Navy:

Gerald “Wayne” Knight - Space and Naval Warfare System Center (SPAWARSYSCEN), Charleston, SC (ABSENT)

Ronald Heatherdale – Space and Naval Warfare System Center (SPAWARSYSCEN), Charleston, SC

DOD - U.S. Air Force:

William (Mac) Lawrence (ABSENT)
Ricky Keil (ABSENT)

The sixteenth CL31 ceilometer replacement Operational Test and Evaluation (OT&E) Test Review Group (TRG) status meeting was held by audio conference call on Thursday, June 25 2009. Jerry Dinges, moderator, convened the meeting with a “roll call” (See above list of attendees).

After roll call, Jerry asked the TRG if there were any changes to the minutes from the June 18th TRG meeting. There were no changes to the minutes. The minutes from the June 18 TRG meeting were ratified, and will be posted on the W/OPS24 website:

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

First, Joe Fiore provided an update on the status of the “site installation status” spreadsheet. Joe reported on the progress on the installation of the V2.79V ACU firmware, V2.0 DCP EPROMS using Mod Note 80, and the installation of the CL31’s using Mod Note 92 at the 5 phase II OT&E sites. As of June 25, all 5 Phase II OT&E sites successfully replaced their CT12K ceilometers with the new CL31 sensors [i.e., PHX (6/15), GUY (6/16), and CMH (6/18), ROA (6/22), OKC (6/25)]. ROA successfully installed their back up CL31 on 6/22, and OKC successfully installed the primary and back up ceilometers on 6/25. **19 sites are now operating with the V2.79V with the CL31 installed (with four sites having two CL31’s) and their CT12K ceilometers deconfigured.** 2 sites are operating with the CL31 as the primary but are keeping their CT12K configured as a “test” sensor (i.e., ANJ and BTV). **W/OPS24 received a formal e-mail response from Jim Zdrojewski (OCWWS) on June 11, stating there is no requirement for a ceilometer data continuity study.** ABR will be instructed to deconfigure their CT12-K sensor as soon as they can. BTV will be the only OT&E sites that will not deconfigure their CT12K during the remainder of the OT&E as approved by the TRG for comparative evaluation for case studies between the two ceilometers.

Joe reported (from Steve Butler) Hilo, HI (ITO) experienced a CL31 sensor response timeout with a “\$” that was not recorded in the ASOS SYSLOG. Steve had to go to the ASOS maintenance page (MAINT) CL31 sensor to find the CL31 sensor response error, and clear the fail count (and \$). Steve thought this CL31 sensor response timeout was related to the “brilliance warnings” that ITO has been experiencing at midday while the sun is directly overhead of the CL31 at this time of the year. John Monte believes there might be a logic error in the ASOS code misinterpreting the CL31 “brilliance warning” as a failure, which may be generating a CL31 sensor response error that is not documented in the SYSLOG. John Monte will dial into ITO on 6/26/09 to try to obtain more information about the problem. Steve Butler agreed to forward documentation by e-mail about this problem to W/OPS24 (Joe Fiore). Joe will write a Test Trouble Report (TTR) to track this problem. This problem might be somewhat related to TTR 213 *Causes a Hidden “N” Within the Test Maintenance Page*, which was converted into Operational Trouble Report (OTR) 1098 on June 15th. A reference to OTR 1090 will be included in the new TTR. The severity of these TTR’s (and the OTR) and the priority to fix these TTR’s will be discussed at the next TRG meeting on July 1. Walt Jameson (PHX) stated he might have two different versions of CL31 sensor firmware. The limited production firmware version in 2.10N, the pre-production version is 2.09N . Walt thought perhaps ITO’s problem might be related to the version of CL31 sensor version. John Monte stated he would confirm which version of CL31 sensor firmware is present on the CL31s at PHX. On June 26, after investigation, John stated “the functional difference between the 2.9 and 2.10 is that 2.9 does not accurately report very thin clouds at heights above 20,000 ft. Since ASOS does not use this data operationally, this problem will in no way effect operations.”

Joe stated he received an e-mail from Bob Retzlaff (NWSTC) stating there is a “built-in” tilt angle sensor (an inclinometer) on the CL31 sensor which automatically corrects tilt angle. John stated he asked Vaisala if they thought varying the tilt angle (from 0.9 degrees to 4.9 degrees based on the diurnal variation of ambient temperature) would have an adverse affect on the performance of the CL31. Dan Lester (CRH) suggested the check of the tilt angle become part of the 90-day preventative maintenance performed on the CL31 sensor. W/OPS12 and W/OST 11 agreed this was a good approach, and the tilt angle check would become part of the 90-day preventative maintenance for the CL31 sensor.

John Monte presented a status of the ongoing SYSLOG analysis at the CL31 OT&E sites. **Overall, most sites continue to exhibit no SYSLOG issues since installing V2.79V.** John reiterated he would perform a more detailed investigation on the current issue at ITO. The main concern is the workload on the ET (or AOMC) to find the cause of the “\$” and go to the MAINT page to clear the sensor response fail count. John will work with Steve Butler (ET ITO) to document and investigate this problem. Joe Fiore will write a TTR to document this problem at ITO once he receives the information from Steve Butler. John also reported he is working closely with Spokane, WA (GEG) to help them resolve their chronic ACU/DCP communication problems. Several things are planned to help GEG resolve their problems. John reported SFSC would send a data logger to GEG to verify that the CL31 is communicating properly. John also reported GEG believes there may be radio interference from the FAA Service Aviation Weather System (SAWS) that is located very close to the GEG ASOS. Walt Jameson (ET PHX) confirmed he had experienced severe interference from the SAWS system on an ASOS in Arizona, and had the FAA put filters on SAWS to reduce the noise and interference from SAWS. This fixed the problems with the ASOS site in Arizona. Walt agreed to pass John contact phone numbers of FAA representatives that could help with the SAWS problem. Bing Huang (FAA) also agreed to provide John Monte and GEG with help on the SAWS issue if needed. John stated GEG would ask the FAA to turn off their SAWS system for one day to see if that resolves GEGs chronic ACU/DCP comms issues. GEG has reported that this ACU/DCP comms issue becomes chronic every summer. It is believed that these ACU/DCP issues at GEG are not related to V2.79V firmware.

John reported Guadalupe Pass, TX (GDP) continued to report “numerous modem loopback” errors. Walt Jameson stated he believes the problem at GDP was with local telephone service, and poor connections. GDP and GUY agreed they have many problems with small local phone companies. John stated that he believed the problem was software related. GDP agreed to check the local phone lines to see if bad phone lines are the cause of the “modem loopback” errors.

John then reported that Beaufort, SC (KNBC) continued to report chronic visibility sensor problems. Ron Heatherdale (SPAWARSYSCEN) stated there is a problem with the visibility sensor at KNBC, and that he would be working with the ET’s at KNBC to resolve the problem. The TRG suggested KNBC contact Mark Russo (NRC) if they had questions about the visibility sensor. John stated he also believed the problem at KNBC was with the visibility sensor, and not V2.79V firmware.

Joe Fiore will start to generate a “lessons learned” document that will be sent out to the TRG for review either before the July 1 TRG or with the minutes from the July 1 TRG.

Next, Jerry reviewed the “OPEN” Action Items from the June 18th TRG meeting related to the CL31 OT&E project; to the V2.79X/V3.01 ST; and, related to the Thin Client OT&E.

Jerry also provided a status on the plans for installation of V2.79X ACU firmware in conjunction with IFW sensor firmware version V4.54 at OT&E sites. In preparation for this discussion, Joe sent a spreadsheet summarizing a list of the V2.79X OT&E and IFW V4.54 Sensor firmware OT&E sites to the TRG members. Joe explained the first ten sites on V2.79X OT&E spreadsheet were “priority” sites that would be asked to install V2.79X (and IFW V4.54 sensor firmware at some sites) during the week of July 6-11. Nine of the ten “priority” OT&E sites and their associated NWS regional focal points expressed interest and confirmed they could install V2.79X and IFW V4.54 sensor firmware (some sites) as requested. Dan Lester will ask Sault Ste. Marie, MN (ANJ) if they can commit to installing V2.79X and IFW firmware V4.54 during the week of July 6-11. (UPDATE: On June 26, Dan Lester confirmed ANJ could make the commitment). Caribou, ME (CAR) and Beaufort, SC (KNBC) also agreed to install V2.79X firmware during the week of July 6-11. Joe stated IFW V4.54 sensor firmware (in the form of a zipped hex file) along with the draft NWS Engineering Modification Note #85 for IFW firmware installation would be put on a “secure” test website provide by W/OPS12 for access only by the ET’s or ESA’s at the sites that will receive IFW V4.54 firmware.

All 19 OT&E sites will get V2.79X on a CD and half of the OT&E sites will get the IFW V4.54 Sensor firmware by download. Joe will FedEx 19 sets of V2.79X ACU firmware to the 19 OT&E sites on Monday June 29 for delivery by June 30 or July 1. Joe will also coordinate with OPS12 to ensure the draft modification note and the hex file IFW 4.54 firmware are available on the secure website at the same time next week.. If V2.79V is successful, OT&E for V2.79V will conclude on July 1, 2009. The V2.79X OT&E would commence on July 6th and end sometime in mid-August. The ET’s at the ten “priority” OT&E sites will begin installing V2.79X and IFW V4.54 sensor firmware on July 6. John Monte and SFSC agreed to continue to monitor the SYSLOGS at the OT&E sites during V2.79X OT&E. If V2.79X OT&E is successful at the end of July 23, results from V2.79X OT&E at the ten “priority” OT&E sites maybe used to determine if the CL31 ceilometer should be deployed. V2.79X OT&E will continue until mid-August.

Jerry also provided a brief update on the status of V3.01 ST. ST for V3.01. OPS22 completed their evaluation of the IFW QC algorithm using V3.01 installed at SFSC. The SAIC test personnel will begin testing of some 100 regression test procedures on the ASOS test systems at SFSC starting Monday, June 29th. SFSC will start providing daily updates to W/OPS24 on June 30. SFSC will also report on the status of regression testing for V3.01 at the July 1 TRG meeting. Jerry also stated a draft version of the V3.01 ST Test Plan would be sent out for review to the other ST site focal points asking for their

commitment to support the V3.01 ST, as well as to the NWS regional focal points, and NWS Headquarters for review and comment during the week of June 29th.

Finally Jerry summarized the test readiness of the Thin Client OT&E. Jerry stated W/OPS12 reported all 50 OID thin clients, OID keyboards, monitors, 72 VDU thin clients, and monitors are in stock at NLSC and are ready for OT&E. W/OPS12 still needs to make sure that each WFO participating in OT&E receives their spares. Each WFO participating in OT&E will receive a thin client OID, or a thin client VDU (or both where needed), a monitor, and an OID keyboard. Pending delivery of the thin client spares to each WFO participating in OT&E, the OT&E for thin client could take place either during the first two weeks of July or the first two weeks of August. Due to workload issues with the end of V2.79V OT&E, and the start of V2.79X OT&E, W/OPS24 proposed delaying the OT&E start of the ASOS OID/VDU logistics replacement using AXEL thin client until the first two weeks of August.

The following is the accounting for each action items from the previous TRG meetings:

- a. Action Items 8 (03/09/09), 12 (03/19/09), 17 (3/19/09), 35 (4/16/09), and 43 (5/7/09) remain OPEN (No change until Phase II OT&E). **NO CHANGE**
- b. Action Items 7 (11/17/08), 11 (3/12/09), 54 (5/14/09), 55 (5/14/09), 64 (5/21/09), 69 (6/11/09), 76 (6/11/09), 78 (6/11/09), 80 (6/11/09), 82 (6/18/09), 83 (6/18/09), 86 (6/18/09), and 87 (6/18/09) were **CLOSED**.
- c. Action Items 63 (5/21/09), 73 (6/5/09), 77 (6/11/09), 81 (6/18/09), 84 (6/18/09), and 85 (6/18/09) remain **OPEN**.

The specifics for each action item follow:

Related to CL31 OT&E:

Action Item 7 (11/17/09) - CLOSED: Assigned to ESA's. The ESA's (NOTE: exception is Dan Lester for NWS Central Region) will notify the OT&E Test Director (Joe Fiore) by e-mail when they are ready to install the CL31 ceilometer, V2.0 DCP EPROMS (for sites that use EPROMS), and ASOS V2.79V ACU Software. They will also notify the OT&E test director when installation of all required material is complete. **COMPLETE**

Action Item 8 (03/09/09) - OPEN: WSH will download the SYSLOG error messages (1015, 1515, and 1537) from all 22 OT&E sites daily and will analyze the data to determine how many random sensor time out SYSLOG error messages are generated with a \$. SAIC contract personnel at Sterling Field Support Center, Sterling VA will perform the work. Jennifer Dover (W/OPS22) will report the statistics to the OT&E TRG at the weekly meetings during the OT&E. In preparation for this activity OPS24 personnel will analyze the same SYSLOG error messages for each 15 OT&E site (22 minus the 7 Meteorological Comparison Evaluation Beta sites) for 30 days PRIOR to the OT&E. This analysis will "baseline" the number of random sensor time out errors occurrences before V2.79 V is installed.

STATUS: This action will remain open until the completion of the OT&E (currently planned for July 1).

Action Item 11 (03/12/09) – CLOSED: Assigned to W/OPS24. Joe Fiore will provide the TRG a status update at each status meeting on the CL31 ceilometer and ASOS ACU V2.79V and DCP V2.0 EPROM installation until all 22 sites have completed this activity. **COMPLETE**

Action Item 12 (03/19/09) – OPEN: Assigned to W/OST11. John Monte will query EMRS to obtain the serial numbers for the CL31 installed at the 22 OT&E sites. He will e-mail the appropriate contact if the information is not found in EMRS.

STATUS: This activity is ongoing, and will be completed soon. W/OST11 is trying to access EMRS to complete this task. If they are unable to access EMRS, or if some sites have not updated EMRS, W/OST11 will call those sites to get the serial number of the CL31 sensor(s).

Action Item 17 (03/19/09) – OPEN: Re-Assigned to W/OPS22 and W/OS7. W/OPS22 will coordinate the policy and procedure for disposal of the old CT12K sensors after deployment of the CL31 sensors. Joe Devost and Fred Hauschildt will provide the disposal plan for the CT12K.

STATUS: Dave Mannarano reported that W/OPS22 would talk in detail about plans for disposal of the old CT-12K ceilometers during Deployment Readiness Review Meetings which will be piggy backed onto the CL31 TRG meeting beginning in late June when OT&E is nearing completion. Dave stated that the initial plan is to have approximately 300 CT-12K ceilometers shipped to NRC after the CL31 ceilometers are deployed and installed. Dave said that there was no resolution yet on who would pay for the shipping and local disposal of the remaining CT-12K ceilometers after deployment of the CL31 ceilometers. **This Action Item will remain open until OT&E is complete and until the CL31 Deployment Readiness meetings are conducted “piggy backed” to the end of the CL31 TRG meetings in late June.**

Action Item 35 (4/16/09) - OPEN: Assigned to OPS12 and OPS24. Greg Dalyai and Jerry Dinges will track “Lessons Learned” to ensure the problems encountered and solutions found are published, as appropriate (i.e., test report, final Mod notes, Tech tips, etc.) to minimize repeated problems occurring during the installations of CL31 for general deployment.

STATUS: This action item will remain OPEN until the OT&E Final Report is generated. A summary of lessons learned will be developed before the final report is generated.

Action Item 43 (5/7/09) OPEN: Assigned to W/OPS12. Joe Devost and Greg Dalyai will coordinate with the field plans to discuss options for a possible national policy on the

issue of the new solar winds program download problems on ET's laptops, and possible issues with local WFO access rights with the laptops and the LAN.

STATUS: W/OPS12 will continue to investigate options for downloading the solar winds programs to the ET's laptop with WSH, the NWS regions, and the individual WFO's. **This action item will remain OPEN until the conclusion of OT&E. W/OPS12 will contact NWS HQ IT to help resolve this issue.**

Action Item 55 (5/14/09) CLOSED: Assigned to the NWS Alaska Region Headquarters and OST11. The NWS Alaska Region Headquarters will coordinate (with OST 11 help) moving the CL31 ceilometers from the test bed in Fairbanks, AK, to a test bed in Barrow, AK. This will allow further testing of the CL31 ice crystal study, because, climatologically, Barrow has 10 times more occurrences of ice crystals than any other site in the U.S. **COMPLETE**

STATUS: This Action Item is not directly related to the OT&E. John Monte (W/OST11) will coordinate with AR on this action.

Action Item 79 (6/11/09) OPEN: Assigned to OPS24. Jerald Dinges will ensure a recommendation in the OT&E test report state, the Maintenance Branch (W/OPS12) establish a "tech tip" documenting a recommended port assignment scheme for sensors contacted through the SIO card on ASOS. **This action item will remain open until the OT&E test report is complete.**

STATUS: Joe Devost (W/OPS12) will ask Greg Dalyai (W/OPS12) about the status and plans for this action item.

Action Item 76 (6/11/09) CLOSED: Assigned to OCWWS (W/OS4). OCWWS will formally state whether the ASOS Ceilometer is required to go through a climate data continuity study. **COMPLETE**

UPDATE: On June 25, OCWWS provided a formal response via email from Jim Z (OCWWS) to Jerry Dinges (W/OPS24) stating that a data continuity study will not be performed for the ceilometers.

Action Item 77 (6/11/09) OPEN: Assigned to W/OST11. John Monte will be the focal point at NWS headquarters for the issues at Spokane, WA (GEG), and he will contact the ET and ESA at GEG to help them solve their problems.

UPDATE: John Monte has contacted the GEG ET, and they are currently performing several tasks to try and help GEG fix their ACU/DCP comms problems. John will have SFSC send GEG a data logger to verify that the CL31 ceilometer is communicating properly. The FAA will also be contacted to have them shut off their SAWS system for one day to see if the SAWS radios are interfering with the ASOS ACU/DCP comms. Walt Jameson will provide John Monte with FAA contact points for GEG.

Action Item 81 (6/18/09) OPEN: Assigned to W/OPS12 and W/OST11. W/OPS12 and W/OST11 will determine how often the tilt angle of the CL31's is checked, and W/OPS12 will develop a Maintenance Note for checking the CL31 Tilt Angle.

UPDATE: A recommendation was made to make the tilt angle check part of the 90-day preventative maintenance on the CL31's.

Action Item 82 (6/18/09) CLOSED: Assigned to W/OST11. John Monte will let the TRG know if the battery on the CL31 should be set to on or off. **COMPLETE**

UPDATE: John Monte (W/OST11) stated that the battery is not used on the CL31, so the switch should be set to off.

Action Item 83 (6/18/09) CLOSED: Assigned to Walt Jameson (ET PHX). Walt will reconfigure the DELTEK UPS (2400 baud) as a SOLA UPS (9600 baud) at PHX and report back to W/OPS23 (Hak Kim) on how this affects the SIO card communication. **COMPLETE**

Action Item 84 (6/18/09) OPEN: Assigned to regional focal points and OT&E sites. The regional focal points and field sites (sites with temporary mounts) that ordered and received additional SIO, A/D cards, power control modules, and Fiber Optic Modems for OT&E need to remove them from their respective DCPs at the conclusion of the OT&E and return them for credit to clear the due-in.

UPDATE: This action will remain open until all Regions report their OT&E sites have turned in the parts back to NLSC for the temporary mounts for credit on "due ins."

Action Item 85(6/18/09) OPEN: Assigned to OPS24 and OPS12. Joe Fiore will work with Joe DeVost to collect all comments received from the OT&E ETs on both NWS Engineering Modification Note #80 and #92 and send them to all the ASOS OT&E ESAs and ETs so they can see what comments have been noted during the OT&E during the installation phase of the new Vaisala CL31 and the associated ASOS ACU firmware and DCP EPROMs.

UPDATE: Joe Devost and Joe Fiore are gathering comments received from OT&E sites. Joe Fiore (W/OPS24) will contact sites that have not provided comments on the Mod Notes to see if they have any comments.

The following new Action Items were assigned during the CL31 TRG meeting on June 25th:

Action Item 88 (6/25/09): Assigned to W/OPS24. Joe Fiore will write a TTR summarizing the problems encountered at ITO after Steve Butler forwards documentation (by e-mail) on this problem, and after John Monte performs a more in depth analysis of the problem at ITO.

Action Item 89 (6/25/09): Assigned to W/OST11. John Monte has asked Vaisala if they thought that varying tilt angle (from 0.9 degrees to 4.9 degrees based on the diurnal variation of ambient temperature) would have an adverse affect on the performance of the CL31. John will report Vaisala's response to the TRG.

Action Item 90 (6/25/09): Assigned to the site focal point for GDP will check with their local telephone company to determine if the analog modem loop back problem is related to telephone line problems.

Action Item 91 (6/25/09): Assigned to OPS24. Joe Fiore will start to generate a "lessons learned" document that will be sent out to the TRG for review either before the July 1 TRG or with the minutes from the July 1 TRG.

Action Item 92 (6/25/09): Assigned to W/OPS24. Joe Fiore will coordinate with Joe DeVost (W/OPS12) to ensure all ASOS ACU V2.79X on CDs is FedEx to the 19 OT&E sites and IFW V4.54 firmware and associated NWS Engineering Modification Note #85 is delivered to the appropriate OT&E sites NLT July 1.

Related to V2.79X/V3.01 ST:

Action Item 54 (5/14/09) CLOSED: Assigned to W/OPS24. Khien Nguyen will write the V3.01 System Test (ST) Plan, and coordinate ST at SFSC, WSH, US. NAVY SPAWARSYSCEN, and possibly a USAF site in Hurlbert Field, FL. This includes organizing resources to perform the ST test, assuring that data sets to test the IFW QC logic algorithm and other V3.01 changes are run and that the ST schedule is written in the test plan and provided to each site participating in ST. **COMPLETE**

STATUS: A Draft Test Plan for V3.01 ST is in final review at W/OPS24. Jerry Dinges will send the draft Test Plan for V3.01 out for review to the ST sites, NWS HQ, and the NWS regional focal points for review next week. SFSC will start V3.01 regression test procedures on June 29, and provide a daily status of testing starting at the TRG meeting on July 1.

Action Item 86 (6/18/09) CLOSED: Assigned to W/OPS24. W/OPS24 will resend the document written by W/OPS23 on the "Proposal to Modify ASOS Software Version 3.01 Ice Free Wind Sensor Heater Component Reporting" to the TRG for review. **COMPLETE**

UPDATE: W/OPS24 resent the document to the TRG on June 18, 2009. Joe Fiore will contact TRG members that have not responded to this proposal during the week of June 29 - July 2. This topic will be discussed at the TRG meeting on July 1.

Action Item 87 (6/18/09) CLOSED: Assigned to W/OPS24, W/OPS12, and W/OST11. The method for delivery of V4.54 IFW firmware (by download to the IFW sensor) to the OT&E sites will be determined by the group. **COMPLETE**

UPDATE: V4.54 IFW sensor firmware will be delivered by download from a secure test website only to those V2.79X OT&E sites that will receive V4.54 IFW sensor firmware. The Mod Note #85 for the IFW sensor firmware will also be included for download on the secure test website.

Related to OT&E for OID/VDU Thin Client Logistics Replacement:

Action Item 63 (5/21/09) OPEN: Assigned to W/OPS24. Khien Nguyen will contact the US Navy SPAWARSYSCEN in Charleston, SC to make sure that the line driver test (power boost) of the “daisy chained” VDU’s has been completed.

STATUS: The U.S. Navy has not yet had a chance to perform this test.

Action Item 64 (5/21/09) CLOSED: Assigned to W/OPS12. OPS12 will track the status of the reprogramming of the configuration files for the 50 OID thin clients between the Thin Client vendor and NLSC. **COMPLETE**

STATUS: The reconfiguration of the 50 VDU thin clients to OID thin clients is complete, and all VDU thin clients (72), and OID thin clients (50) are in stock at NLSC. W/OPS12 will make sure that one spare thin client (one VDU, or one OID, or one of each, one monitor, and one keyboard (for sites with an OID) is sent to each WFO. Once the spares are in stock at the WFO’s participating in OT&E, OT&E can commence.

Action Item 73 (6/5/09) OPEN: Assigned to W/OPS24. At the FAA request, Joe Fiore will ask the ETs at each OT&E site to send a notice to the Air Traffic Control Tower (ATCT), and the Contract Weather observer (CWO) 1-week in advance of the plan to install the thin client VDU’s and/or OID’s.

No new action items were assigned during the June 25 TRG meeting.

The next OT&E TRG meeting will be scheduled for **Wednesday, July 1 at 2 pm EDT** to provide a status report on OT&E activities. Please use the following information to dial into the meeting:

Telephone: 1-866-685-1879

Password: 8259362#