

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

**July 1, 2009**

**ATTENDEES:**

**NWS:**

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

WFO Caribou, ME  
WFO Wilmington, OH  
WFO Blacksburg, VA  
WFO Amarillo, TX  
WFO Phoenix, AZ  
WFO Norman, OK  
WFO Portland, OR  
WFO Spokane, WA  
WFO Honolulu, HI

**NWS Regional Headquarters:**

Don Bolton, ARH (ABSENT)  
Jim Jones, ARH  
John Bush PRH  
Lew Harrington, SRH RMS (ABSENT)  
Dan Lester, CRH RMS  
Tom Townsend CRH (ABSENT)  
Duane Wilkenson CRH ASOS Focal Point (ABSENT)  
Matt Ferrell, ERH RMS (ABSENT)  
Kevin Murray, ERH  
Tim Rutkowski, ERH  
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 (ABSENT)  
David Mannarano – W/OPS22  
Richard Parry - W/OPS22  
Chet Schmitt – W/OPS22  
Peggy Hoch – W/OPS23 (ABSENT)  
Hak Kim – W/OPS23  
Kevin Conaty – AOMC  
Tony Weiss -AOMC (ABSENT)  
Beth McNulty – W/OS23

Laura Cook – W/OS7  
Fred Hauschildt – W/OPS14 (ABSENT)  
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

**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 (ABSENT)  
Jerry Kranz, (contractor)

**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  
Ricky Keil (ABSENT)

The seventeenth CL31 ceilometer replacement Operational Test and Evaluation (OT&E) Test Review Group (TRG) status meeting was held by audio conference call on Thursday, July 1, 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 25th TRG meeting. There were no changes to the minutes. The minutes from the June 25th TRG meeting were ratified, and will be posted on the W/OPS24 website:

[http://www.nws.noaa.gov/ops2/ops24/documents/asos\\_ceilometer.htm](http://www.nws.noaa.gov/ops2/ops24/documents/asos_ceilometer.htm)

First, 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 reported many sites continue to randomly report a few or in some cases chronic SIO card errors. John stated some of the SIO card errors are associated with SIO Card #1 Port #1 which contains the UPS. However, other SIO card errors (on other cards and ports with the CL31) have also been observed at some sites. Guadalupe Pass, TX (GDP) is a site with many SIO card errors. It should be noted GDP is also a site with known slow-speed local telephone lines, and, has a previous history of telephone issues. Spokane, WA (GEG) also had chronic SIO card errors, but that has been fixed. **John reported GEG's chronic "ASOS ACU/DCP comms" errors seem to be fixed. The electronics focal point for GEG reported they had changed the polarization of the Yagi antennas, fixed a loose connection in the DCP or ACU, and replaced the Fiber Optic Modem on the CL31 ceilometer. As a result, GEG reported a "clean" system for the first time on 6/30/09.** John then reported many sites (about half) have reported "modem loopback" errors, and he reported some sites have chronic "modem loopback" errors. Both GEG and GDP reported the most "modem loopback" errors. This generated a long discussion about the cause of "modem loopback" errors.

Several field sites reported "modem loopback" errors can be caused by poor quality telephone lines. GDP and Hilo, HI (ITO) have known "bad" telephone lines. Other sites also report "bad" telephone lines. Hak Kim (W/OPS23) reported he did not believe the "modem loopback" errors are caused by an ASOS software problem. Kevin Conaty, Hak Kim, and others reported the "modem loopback" errors could be caused by the remote dialing into the ASOS by an outside user, especially and sites with "bad" telephone lines. Several people from National Weather Service Headquarters (WSH) and the SFSC dial into the OT&E sites everyday (three times a day at least) to download 12-hour archive data and SYSLOG data from the sites. W/OPS24 was downloading the 12-hour OT&E site data on two PC's. W/OPS24 agreed to turn off the downloading of 12-hour archive data (and other data) on one of the PC's. Also, WSH personnel agreed to minimize remote dialing to OT&E sites for a few days to see if this decreases the occurrence of "modem loopback" errors. Joe Fiore (W/OPS24) commented many sites had reported "modem loopback" errors prior to V2.79V from his baseline SYSLOG analysis. Kevin Conaty (AOMC) remarked "modem loopback" errors are common errors seen in many previous ASOS firmware versions. After the TRG meeting Joe Fiore received an e-mail from Chris Kornkven (WFO MKE) and Steve Bulter (ET ITO) stating they had experienced "modem loopback" errors before V2.79V. Chris reported more "modem loopback" errors occurred after the higher baud rate modems were installed. The content of Chris's email follows:

*"These errors started cropping up more frequently when higher baud rate modems were becoming more common, the errors appearing to be from "dirty" disconnects. A "dirty" disconnect meaning a caller using a high baud rate (>34.4kbps) modem hitting the red disconnect phone on Procomm, or just closing Procomm without disconnecting or signing off. This dirty disconnect would result in the ASOS modem not receiving a clean disconnect, staying online, and eventually failing the loopback test. 14.4kbps did not*

*seem to cause many errors, but with higher baud rate modems becoming more common, more errors seemed to be occurring. At some point, PC modem baud rate configuration defaulted to 56kbps or higher, and loopback errors became more common. At one point, a suggestion was making the rounds of making sure the Comms page was configured for 9600 baud for OID5, with the modem configured for 9600 baud. I don't recall if the higher baud rate (OID5) modems allowed configuration for 9600 baud. This suggestion was mainly to prevent OID5 from failing hard requiring a trip to the site by an ET to reseal it. Resealing the modem would allow it to operate normally again. I don't know if lowering the baud rate for OID5 on the Comms page helps or not. I do know some modems will auto-configure to a baud rate without regard to what is set on the Comms page. The point to all this is that the loopback errors may not have any relation to the latest ACU firmware load, but may be related to the modems themselves, or those used to dial in to the site."*

Also, both Chris and Dan Lester (CR RMS) did state their seems to be in INCREASE in modem loopback errors (and other errors) since the CL31 became the primary sensor. Steve Butler's e-mail states:

*"In my opinion, Version 2.79V and/or the addition of the CL31 ceilometer has not impacted the errors being noted for the modems. I have always had analog loopback errors. I have not noticed an increase in these errors. The local phone system is not the best. I have always attributed these errors to the quality of service provided by Hawaiiintel."*

John Monte and Dan Lester reiterated they wanted to make sure these "modem loopback" errors (or an increase in "modem loopback" errors) were not caused by errors in V2.79V software. The TRG agreed a comparison of the SYSLOGS prior to V2.79V (baseline analysis) to the SYSLOG analysis performed by John Monte and SFSC since V2.79V need to be completed. Jerry Dinges stated the comparison of SYSLOGs should be done between the baseline and the SYSLOGs after the CL31 became the operation stand-alone ceilometer. John Monte agreed to this plan, and a comparison of the "baseline" SYSLOGs and the SYSLOGs after the CL31 became the stand-alone ceilometer will be performed by W/OPS24 and W/OST11 over the next few weeks.

John also reported Hilo (ITO) continued to experience "brilliance warning" messages" that were normal for a southern situated site like ITO when the sun is directly overhead at this time of the year. This generated a discussion between Hak Kim (W/OPS23) and the TRG about how "sensor status" messages are displayed for the CL31 on the MAINT page. Hak stated there is a new line on the MAINT page for the CL31 for the "Sensor Status" that was not on the MAINT page for the CT-12K. Hak stated if there is a "Sensor Status" failure, it will be recorded on the MAINT page, but will not be recorded in the SYSLOG, and a "\$" will be generated. Hak stated this issue should be fixed, but that it is a Request for Change (RC) and not a Test Trouble Report (TTR). The subject matter experts from WSH (W/OPS12, W/OPS22, W/OPS23, W/OPS24, and W/OST11) will meet next week to discuss this topic and the priority of fixing this issue.

Two sites (ABR and BTV) are still operating with the CT-12K ceilometer configured as the test sensor. ABR was waiting to deconfigure their CT-12K based on a final decision on whether there will be a data continuity study for the ceilometer. Since there will not be a data continuity study performed for the ceilometers, ABR can deconfigure their CT-12K ceilometer. Dan Lester (CRH) agreed to ask ABR to deconfigure their CT-12K ceilometer as soon as they can, so the CL31 ceilometer is the stand alone operational sensor at ABR. BTV did not deconfigure their CT12K so they could perform a comparative evaluation of case studies between the two ceilometers during the remainder of the OT&E as approved by the TRG. On 7/1/09 Joe Fiore called BTV and left a message to ask them if they had seen any differences between the CL31 cloud reports and CT-12K cloud reports. If BTV has have seen any significant difference between the CL31 and the CT-12K cloud reports, they will pass those cases to W/OPS24. Since V2.79X OT&E will begin next week, Joe also asked BTV to deconfigure their CT-12K sensor, so the CL31 is the stand-alone operational ceilometer. Joe will follow up with BTV on this topic next week.

W/OPS24 will gather several pieces of information needed for the completion of OT&E including:

- 1) Completing the SYSLOG analysis from the ‘baseline’ SYSLOG analysis before V2.79V OT&E;
- 2) Collecting the OT&E questionnaire from the 21 OT&E sites;
- 3) Collecting the comments on Mode Note 80 and Mode Note 92 from the OT&E sites;
- 4) Writing a “lessons learned” document from the OT&E; and,
- 5) Assuring the OT&E test objectives (sent out my email to the TRG on 7/1/09) are complete.

W/OPS24 asked the OT&E sites for the comments on Mod Notes 80 and 92 and the questionnaire to be completed by July 31 if possible. This information will be gathered between now and the end of V2.79X OT&E, currently scheduled to end NLT in mid-August with a possible early decision date by the TRG to recommend CL31 deployment by the end of July.

Next, Jerry and Joe 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. Joe sent an Microsoft Excel spreadsheet detailing the plans and site configuration for V2.79X OT&E (and IFW sensor firmware V4.54) in preparation for this discussion. Joe also 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 earlier in the week. **The TRG unanimously voted to proceed to V2.79X OT&E starting on July 6<sup>th</sup>.** Joe explained the first ten sites on V2.79X OT&E spreadsheet were “priority” sites willingly to install V2.79X (and IFW V4.54 sensor firmware at some sites) during the week of July 6-10. **The ten “priority” OT&E sites and their associated NWS regional focal points confirmed they could install V2.79X and IFW V4.54 sensor firmware (some sites) as requested.** Caribou, ME (CAR) and Beaufort, SC (KNBC), and Portland, OR (HIO) also agreed to install V2.79X firmware during the week of July 6-10. 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 was placed 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. Joe e-mailed this link to the OT&E sites that will receive IFW sensor firmware V4.54 on 6/30/09. Joe will send an e-mail for “Official Notice to Proceed to V2.79X OT&E” to all 19 OT&E sites that will participate in V2.79X OT&E.

**UPDATE:** Joe sent this e-mail after the meeting (7/1/09). The e-mail stated the OT&E sites should NOT send back there CT-12K ceilometers until V2.79X OT&E is complete, and until instructions for disposal or shipment of the CT-12K's are provided by the Deployment Readiness Review (DRR) group.

During this discussion, the focal point at WFO Amarillo, TX, reported they had returned the CT-12K to the NOAA Logistics Support Center (NLSC), Kansas City, MO, when they installed the CL31 for Guymon, TX (GUY). Joe will ensure the NLSC is contacted to find out where the GUY CT-12K is being stored. Joe will also send an e-mail to the sites with temporary mounts detailing what parts are to be returned. The parts that need to be returned for “due in” credit are: SIO Cards, A/D cards, power control modules and circuit breakers. The sites with the temporary mounts can either keep the actual mounts or dispose of them locally. **UPDATE:** Joe sent the e-mail on Thursday, July 2.

**On Thursday, July 2, Bismarck, ND (BIS) was the first OT&E site to install V2.79X firmware. This site SYSLOG will be checked on Monday July 6<sup>th</sup> for any issues.**

Jerry and Khien Nguyen (W/OPS 24) also provided a brief update on the status of V3.01 ST. ST for V3.01. Khien reported SFSC experienced errors with one of their SIO cards while running V3.01. Khien instructed SFSC to revert back to V2.79D to see if the SIO problems stilled occurred. The SIO card errors still occurred with V2.79D, so SFSC installed a new SIO card. No SIO card errors have occurred at SFSC since installation of the new SIO card. **SFSC will re-install V3.01 and begin V3.01 ST regression tests on Monday, July 6<sup>th</sup>.** The draft version of the V3.01 ST Test Plan will be sent out for wide review asking for 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 July 6th.

Finally Jerry summarized the test readiness of the Thin Client OT&E. **Jerry stated everything is in place to begin Thin Client OT&E, and that Thin Client OT&E would occur during the first two weeks of August. Greg Dalyai asked that the spares for the Thin Clients be send out by NWS HQ rather than by NLSC. The TRG agreed to this plan. Joe Fiore will send out an e-mail to the 10 Thin Client OT&E sites about one week in advance informing them that Thin Client OT&E would begin in early August.** A Thin Client OT&E “kick-off” meeting will be held prior to the start of OT&E.

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), and 79 (6/11/09) remain OPEN (No change until Phase II OT&E).  
**NO CHANGE**
- b. Action Items 77 (6/11/09), 94 (7/1/09), and 95 (7/1/09) were **CLOSED**.
- c. Action Items 63 (5/21/09), 73 (6/5/09), 81 (6/18/09), 84 (6/18/09), 85 (6/18/09), 88 (6/25/09), 89 (6/25/09), 90 (6/25/09), 90 (6/25/09), and 91 (6/25/09) remain **OPEN**.

The specifics for each action item follow:

**Related to CL31 OT&E:**

**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 V2.79X OT&E (currently planned for mid-August).

**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 National Weather Service Headquarters’ IT to help resolve this issue.**

**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 77 (6/11/09) CLOSED:** 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. **COMPLETE**

**UPDATE:** John Monte helped GEG solve their ACU/DCP comms problems. GEG reported that they had changed the polarization of the Yagi antennas, fixed a loose connection in the DCP or ACU, and replaced the Fiber Optic Modem on the CL31 ceilometer.

**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 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.

**Action Item 88 (6/25/09) OPEN:** 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.

**UPDATE:** This is not a TTR and may be tracked as a Request for Change (RC) to the software in a future ASOS load.

**Action Item 89 (6/25/09) OPEN:** 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) OPEN:** 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) CLOSED:** 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. - **COMPLETED**

**UPDATE:** 19 CD's containing V2.79X was sent by FedEx to the V2.79X OT&E sites on 6/29/09. An email with the link to the secure OPS website for the IFW sensor firmware V4.54 and Mod Note 85 was sent to the tem sites that will get IFW V4.54 on 6/30/09. W/OPS24 will make sure that these items are received at the OT&E sites.

The following new action items were assigned during the July 1 CL31 TRG meeting:

**Action Item 92 (7/1/09):** Assigned to OPS24 and WSH focal points who dial into ASOSs. Khien and SFSC personnel will refrain from dialing into the OT&E sites for a couple of days next week to help determine if this action causes a reduction in "modem loopback" errors.

**Action Item 93 (7/1/09):** Assigned to W/OPS24 and W/OST11 a comparison of the "baseline" SYSLOGs and the SYSLOGs after the CL31 became the stand-alone ceilometer will be performed by W/OPS24 and W/OST11.

**Action Item 94 (7/1/09) CLOSED:** Assigned to W/OPS24. Joe will send an e-mail for "Official Notice to Proceed to V2.79X OT&E" to all 19 OT&E sites that will participate in V2.79X OT&E. **COMPLETE**

**UPDATE:** Joe sent this email out on 7/1/09.

**Action Item 95 (7/1/09) CLOSED:** Assigned to W/OPS24. Joe will also send an e-mail to the sites with temporary mounts detailing what parts are to be returned, and what parts are to be either kept or disposed of locally. **COMPLETE**

**UPDATE:** Joe sent the e-mail out on 7/2/09.

**Action Item 96 (7/1/09) OPEN:** Assigned to OPS24. Joe will track all actions are completed to ensure the proper disposal of the temporary mounts at each affected sites.

**Action Item 97 (7/1/09):** Assigned to OPS24. Joe will coordinate with NLSC to determine where the CT12K returned from GUY is stored.

**Action Item 98 (7/1/09):** Assigned to OPS24. Joe will arrange a meeting of subject matter experts from WSH (W/OPS12, W/OPS22, W/OPS23, and W/OST11) to discuss the RC OPS23 believes is needed to resolve the issue found at ITO. If there is a "Sensor Status" failure, it will be recorded on the MAINT page, but will not be recorded in the SYSLOG, and a "\$" will be generated. Hak stated this issue must be fixed, but that it is a Request for Change (RC) and not a TTR. The information will be presented to the TRG for an assignment of an implementation priority.

**Action Item 99(7/1/09):** Assigned to OPS24. Joe will coordinate with Dan Lester (CR RMS) and WFO BTV to ensure both CT12Ks at ABR and BTV are deconfigured.

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

**Action Item 100 (6/25/09):** Assigned to OPS24. Jerry Dinges will send the draft V3.01 ST plan out for review the week of June 29<sup>th</sup>.

**UPDATE:** The plan will be sent the week of July 6<sup>th</sup>.

No new action items were assigned during the July 1 TRG meeting.

**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 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 July 1 TRG meeting.

The next OT&E TRG meeting will be scheduled for **Thursday, July 9 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#