



**Automated Surface Observing System (ASOS)
Acquisition control Unit (ACU) v3.05 System Test
Review Group Meeting Minutes**

**Thursday
Feb 17, 2011**

Attendees

- OPS23: Peggy Hoch, Rich Thomas
- OPS24: Bert Vioria, Khien Nguyen, Joe Fiore
- OPS32: Chris Stark
- OS7: Sergio Marsh
- ER: Kevin Murray, Tim Rutkowski
- AR: Jim Durr

1. Discussions:

On Thursday, February 17, 2011, the National Weather Service Test & Evaluation Branch (OPS24) hosted the Automated Surface observing System (ASOS) Acquisition control Unit (ACU) V3.05 System Test (ST) Review Group Meeting. The purpose of the meeting was to discuss the status of the ST and the Test Trouble Reports (TTRs) found so far. The ST is fine and there are no outstanding critical issues found so far.

- The progress to date at SFSC and WSH is summarized in the below table:

As of Feb 3, 2011	Regression tests	Functional Tests	Data Sets
Total Planned	99	97	8
Completed	81	62	4
Complete Percentage	82%	64%	50%
Failed Procedures	4	0	0

- NWSTC has installed the test software on their systems.
- NAVSYSCEN has not installed the test software.
- The FAA Test Group (FAA AJW-14A, Oklahoma City) has received the test software to check out the WSP interface. They are preparing to load the V3.05 software.
- The FAA test Group at the FAA Technical Center, Atlantic, NJ, will conduct the ADAS/ALDARS test with SFSC in a few weeks.
- Three old TTRs were discussed and adjudicated by the TRG as follow:

TTR264: ACU SOLA UPS causing continuous TEST mode on OID – The TRG noted that this could be due to a RS232 Comms problem – The TRG recommended the Comms problem be investigated – Assigned to Jen Dover (OPS22).

Update: Jen Dover has ordered a new RS232 interface board for the SOLA UPS and a new SIO card for the ACU to trouble shoot the Comms problem; however the problem still persists. She is ordering the inverter also – **OPEN**

TTR265: Unexpected result for present weather code – When the observer entered “SQ+SN – FZRA” the result was coded as “+FZRASN SQ”. Rick Parry(OPS22) believes this result is correctly implemented in accordance to FMH-1 instructions. If there is no objection by other TRG members then this TTR will be closed and the Test Procedure will be updated to reflect the change (from –FZRASN SQ” to “+FZRASN SQ”) - Rick Parry recommended additional time for review. The TRG concurs and this TTR is still **OPEN**.

TTR267: ST0 at SFSC has been reporting multiple CL31 sensor response timeouts on all DCP. There were also bad weather and radio transmission errors at the times.

Update: The TRG recommended trouble shooting the radio Comms problem first and continue monitoring the sensor response timeouts. However, SFSC currently does not have a technician to perform this task. Bob Retzaff said the RF link is operating at 2400 baud rate which is possibly a bottle neck for the data streams from the various sensors. Kevin Murray asked what if the problem get worst with more sensors configured. Chet said he will bring up this issue at the next ACM meeting – **OPEN**

2. Old Action Items

- a. Khien to develop a detailed test schedule – **CLOSED**
- b. Khien to keep track of the TTRs statuses (i. e. those to be sent to the ACCB, those need Test Procedures updates, those need retest) - **CLOSED**
- c. Chet Schmitt to discuss with Joe Facundo (OPS22) to discuss hardware support for ASOS testing – **CLOSED**