



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

**Thursday  
Jan 20, 2011**

**Attendees**

- OPS22: Chet Schmitt, Rich Parry, Jen Dover
- OPS23: Peggy Hoch, Hak Kim
- OPS24: Bert Vilorio, Khien Nguyen, Aaron Poyer, Joe Fiore
- Cyber Data: Dan Brewer
- WR: Scott Birch
- SR: Lew Harrington, Victor Murphy
- AR: Jim Durr
- FAA: Bing Huang

**1. Discussions:**

On Thursday, January 20, 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 progress to date is summarized in the below table:

| As of Jan 26, 2011  | Regression tests | Functional Tests | Data Sets |
|---------------------|------------------|------------------|-----------|
| Total Planned       | 99               | 97               | 8         |
| Completed           | 48               | 41               | 1         |
| Complete Percentage | 48%              | 42%              | 12.5%     |
| Failed Procedures   | 4                | 0                | 0         |

- Four valid old TTRs discovered since the beginning of the ST were discussed and adjudicated by the TRG as follow:

TTR247: EDIT Log unavailable for viewing by ATC – Severity 4 (Degradation of system capabilities, no data affect), Priority 2 (Include in next maintenance release) – **Will be fixed in a revised V3.05 release.**

TTR248: Softkey Button “9” incorrectly programmed – Severity 5 (minimal to no impact – nice to have), Priority 2 – **Will be fixed in a revised V3.05 release.**

TTR251: In Revue-Site-Version-Sensor menu, the Ceilometer field contains no info about ceilometers – This is a known minor problem – Impact 5, Priority 5 – **Will not be fixed in the revised V3.05 release; a Tech Tip will be generated by the Maintenance Branch to inform field sites of the issue.**

TTR252: F to C algorithm generated unexpected result for dewpoint – Impact 5 and Priority 2 – **Will be fixed in a revised V3.05 release.**

TTR256: Hard to see display on some ThinClient Display units at SFSC, suggest changing the color of the reverse video background – Impact 4, Priority 6 – Recommended for retesting with a new AXEL model AX300 75C ThinClient

**Update: OPS24 and OPS22 personnel tested the official AXEL model AX300 75C ThinClient on 01/26/11 and found no problem. Recommend this TTR to be closed.**

TTR264: ACU 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) – **In Progress.**

- Two new TTRs found during the last two weeks were discussed and adjudicated as follows:

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”).

TTR266: Extra words (UIU Unidentified User) in REVUE-LOGS-HELP page – The current display label is intended; however it is somewhat confusing; OPS23 will change the label nomenclature for clarity - Impact 5, Priority 6.

- There were some issues raised by Jen Dover (OPS22) over security-related test procedures 5.5.1 and 5.5.4; however, Hak Kim (OPS23) believed this was resulted from the use of incorrect default password. Correct default password was delivered to Jen and she successfully retested the procedures - **Closed.**

- RC12450 - On Report Processing Page, Move Pressure Sensor Prompt to Bottom (with Y/N prompt) and Move ALDARS Prompt to Top- **This RC has been approved by the ACCB and the Software Branch(OPS23) is working on getting this RC into the revised V3.05 software release.**

## **2. Old Action Items**

- a. Khien to contact Alok Gautam, FAA, Oklahoma to discuss further the WSP test capability (**CLOSED**)  
– Khien has sent V3.05 software to Alok for testing.
- b. Khien to develop a more detailed test schedule (In Progress)
- c. 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) (In Progress).