



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

Thursday
Jan 6, 2011

Attendees

OPS22: Chet Schmitt, Rich Parry, Jen Dover
OPS23: Rich Thomas, Peggy Hoch, Hak Kim
OPS24: Bert Vilorio, Khien Nguyen, Aaron Poyer, Joe Fiore
Cyber Data: Dan Brewer
WR: Son Nguyen, Scott Birch
ER: Tim Rutkowski, Kevin Murray
SR: Lew Harrington
PR: David Meek, John Bush
AR: Don Bolton, Jim Durr
NCDC: Blake Lasher
FAA: Bing Huang, Alok Gautam

1. Discussions:

On Thursday, January 6, 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.

- Khien reported that the V3.05 Software was loaded successfully on the ST1, ST0, and SCA ASOS test systems at SFSC, and SP1 test system at WSH. Regression tests have begun since 12/17/2010.

- About 20% of the regression tests have been performed. 18 Test Trouble Reports (TTR) have been generated. However, most of the TTRs were due to either outdated procedures, or operators' unfamiliarity with the procedures.

- The TTRs 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 assigned to the ASOS Configuration Control Board (ACCB).**

TTR248: Softkey Button “9” incorrectly programmed – Severity 5 (minimal to no impact – nice to have), Priority 2 – **Will be assigned to ACCB.**

TTR249: SCA not able to install 3.05 software – This was due to initial AOMC configuration mismatch but was later identified and corrected – CLOSED.

TTR250: SP1 ASOS lockup – This was also due to initial AOMC configuration mismatch but was later identified And corrected – CLOSED.

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 be assigned to ACCB.**

TTR252: F to C algorithm generated unexpected result for dewpoint – Impact 5 and Priority 2 – **Will be assigned to the ACCB.**

TTR253: Unexpected results in present weather field when changing visibility, temperature, and dewpoint – Test Procedure will be updated – CLOSED.

TTR254: ASOS incorrectly alters present weather inputs – Software works correctly; Test Procedure needs to be updated – CLOSED.

TTR255: Tornado remark fails to appear in remark field – possibly due to buffer overflow, retest after clearing of earlier remarks was successful, Test Procedure will be updated to watch for overflow – CLOSED.

TTR256: Suggest changing the color of the reverse video background – Impact 4, Priority 6 – Recommended for retesting with a new AXEL model AX300 75C ThinClient.

TTR257: Temperature not Blank after INVALID entry – Test Procedure incorrect; software behaves same way as V2.79Y – CLOSED.

TTR258: Tornado events no begin times, out of synch with present weather – Retest with an empty remark buffer passed; Test procedure will be updated to watch for overflow - CLOSED

TTR259: Audio voice reporting different wind direction – Software works as designed; Test Procedure will be updated – CLOSED.

TTR260: Thunderstorm begin remark appears at the end of remarks section – The software works as designed; Test Procedure will be updated – CLOSED.

TTR261: Incorrect response to present weather edit/augment test entry – Software works as designed; Test Procedure will be updated – CLOSED.

TTR262: Sea Level Pressure incorrect while performing altimeter edits – Software works as designed; Test Procedures needs to be updated – CLOSED.

TTR263: Weather code field not representative of entered data – Software works as designed; Test Procedure needs to be updated – 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 investigfated – Assigned to Jen Dover (OPS22)

2. Old Action Items

- a. Khien to contact Alok Gautam, FAA, Oklahoma to discuss further the WSP test capability (In Progress)
- b. Khien to develop a more detailed test schedule (In Progress)
- c. Khien to contact the FAA and make sure the new Impact for TTR247 is agreeable. **(CLOSED)**
 - Bing Huang (FAA) agreed with the Impact for TTR247.

3. New Action Items

- a. 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).