



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

Thursday
Dec 16, 2010

Attendees

OPS22: Chet Schmitt, Rich Parry
OPS23: Rich Thomas, Hak Kim
OPS24: Bert Vilorio, Khien Nguyen
OPS32: Christopher Stark
NAVSYSSEN Wayne Knight, Ron Heatherdale

On Thursday, December 16, 2010, 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 ASOS test system at SFSC on 12/14/2010. The system is currently under 72-hour stability test. Regression tests will begin Friday afternoon 12/17/2010.

- The software was not successfully loaded onto the SCA (ST2) at SFSC. A TTR#249 was written. The issue seems to be related to using the National AOMC configuration file. When the National AOMC was used last time, ST2 (now our SCA) was not configured as an SCA, but as an ACU/DCP. Because there is a mismatch in the configuration, the SCA kept trying to reboot the system not knowing what to download. The solution was to reinstall V3.05 onto the SCA and connect it to the test AOMC (which has a valid configuration file) to complete the installation process. Afterward, the SCA was connected to the national AOMC to upload the valid configuration file to the National AOMC. The next step will be to reinstall the V3.05 onto the SCA, using the newly stored configuration file. If this is successful then the TRG can make the decision to close this TTR.

- Two other TTRs (#247 and #248) were discussed. These TTRs were found earlier during the pre-ST checkout.

TTR#247: In V3.05 the Air Traffic Controller (ATC) can not view the EDIT Log because the softkey of REVIEW screen is no longer available. This softkey is available in the V2.79Y. The problem was found at the SCA system at SFSC. The software has not been tested on the ST1 or ST0. The available Test Review Group (TRG) members assigned an Impact 4 (Degradation of system capabilities – no data affect) and a Priority 2 (Include in next maintenance release) to this TTR.

TTR#248: When the ATC signs on the SCA at SFSC and navigates to the "REVIEW" screen, if the Softkey Button "9" is depressed, the Monthly Temperature Summary is shown. Nothing should be shown because this is a blank key. V2.79Y shows correct behavior. The available TRG members assigned an Impact 5 (Minimal to no impact – nice to have) and a Priority 2 (Include in next maintenance release) to this TTR.

Additional information for this TTR, gathered after the 12/17/2010 TRG Meeting: When the ATC signs on the SCA at SFSC and navigates to the "REVIEW-RPT" screen, if the Softkey Button "9" is depressed, the SHEF data is shown. Nothing should be shown because this is a blank key. V2.79Y shows correct behavior.

When the ATC signs on the SCA at SFSC and navigates to the "REVIEW-SENSOR" screen, if the Softkey Button "9" is depressed, the 12HR1 data is shown. Nothing should be shown because this is a blank key. V2.79Y shows correct behavior.

When the OBS signs on the SCA at SFSC and navigates to the "REVIEW-SITE-VERSION-AOMC" screen, if the Softkey Button "9" is depressed, it allows scrolling through the AOMC choices. Nothing should be shown because this is a blank key. V2.79Y shows correct behavior.

When no one signs on the SCA at SFSC and navigates to the "REVIEW-SITE-VERSION-AOMC" screen, if the Softkey Button "9" is depressed, it allows scrolling through the AOMC choices. Nothing should be shown because this is a blank key. V2.79Y shows correct behavior.

When no one signs on the SCA at SFSC and the Softkey Button "9" is depressed, it doesn't change the screen, but the word COMMANDS are above the numbers on the lower right side. Nothing should be shown because this is a blank key. V2.79Y shows correct behavior.

- Wayne Knight said TTRs#247 and #248 do not affect the US Navy's ASOS systems because they do not use ATC.

1. Status

- a. ASOS test system ST1 successfully loaded V3.05. It is currently under 72-hour stability test. Regression tests will be performed starting from the afternoon 12/17/2010.
- b. The V3.05 software installation on SCA has not been completed.
- c. The V3.05 software installation on ST0 (3-DCP system) has not been performed due to a failed DCP. Repair parts have been ordered. The system is expected to be ready by the end of December.

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)

3. New Action Items

- a. Khien to contact the FAA and make sure the new Impact for TTR247 is agreeable.