



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

**Thursday  
May 26, 2011**

**Attendees**

- OPS23: Hak Kim
- OPS24: Bert Vilorio, Khien Nguyen, Joe Fiore, Aaron Poyer
- OPS22: Jen Dover, Rich Parry
- OS7: Sergio Marsh
- PR: John Bush
- WR: Son Nguyen, Scott Birch, Adams Mathis
- ER: Matt Ferrell, Tim Rutkowski

**1. Discussions:**

On Thursday, May 26, 2011, the National Weather Service Test & Evaluation Branch (OPS24) hosted the Automated Surface observing System (ASOS) Acquisition control Unit (ACU) V3.05 (Dated 05/12/2011) 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).

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

As of May 26, 2011	Regression tests	Functional Tests	Data Sets
Total Planned	4	32	4
Completed	4	23	4
Complete Percentage	100%	72%	100%
Failed Procedures	0	1	0

- Joe Fiore reported some difficulty with one of the Ice-Accretion Test Procedure (S01164A). Khien Nguyen said that the procedure is at least 10 years old and maybe outdated. Aaron Poyer agreed to rerun this test procedure and discuss findings with Khien and Rich Parry to resolve the issue.

- Two new TTRs were found this week:

**TTR284** – The ON and OFF keys in the REVUE-SITE-CONFIG-CHANGE Page is not defined in the HELP Page. At the TRG meeting, the TRG agreed to set the Impact to 5 (Minimal to nice to have) and the Priority to 5 (Include in a future major release).

**TTR285** – The temperature conversion from 0 Degree Fahrenheit to Celsius is -17.777778 Degree. According to the Federal Meteorological Handbook No.1 (FMH-1), Section 2.6.3, the value -17.8 Celsius Degree should be retained after rounding. However, in ASOS V3.05 the value is displayed as -17.7. The positive Celsius temperature values seem to work properly. The TRG recommended that a fix be performed for this issue. After the meeting, Khien Nguyen has discussed the issue with the ACCB (Joseph Facundo) and a fix was authorized. OPS23 will implement the fix in a revised software load.

## 2. Old Action Item:

During last winter, the ST0 at SFSC has been reporting multiple CL31 sensor response timeouts on all DCPs. There were also bad weather and radio transmission errors at the times (TTR#267).

The TRG recommended trouble shooting the radio Comms problem first and continue monitoring the sensor response timeouts. The SFSC technician will take a look at the comms hardware and provide status to the TRG.

Update on 05/19/11: Jen Dover said the new antennae are being ordered – **OPEN**

DRAFT