

**Radiosonde Replacement System (RRS)
Radiosonde Workstation Software (RWS) Build 2 System Test
Test Review Group (TRG) Meeting
December 9, 2009**

ATTENDEES:

NWS:

Field Sites:

Newport, NC (MHX)	Geary Wills
Shreveport, LA (SHV)	Aaron Stevens
Springfield, MO (SGF)	Gerry Claycomb

NWS Regional Headquarters:

Larry Hubble – AR42	Kevin Murray – ER42
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National Specialized Centers:

Stuart Hinson – NCDC (CC21)

National Weather Service Headquarters:

Aaron Poyer –OPS24 (ST Test Director)	Jae Lee – OPS24
Carl Bower – OPS22	Richard Thomas – OPS23
Kevin Kay – OPS23	Bill Blackmore – OPS22
Nick Schmid – OPS11	Ken Clark – OPS12
John Uhlman – OPS12	Barb Childs – SAIC
Ryan Brown – SAIC	Stacy White – SAIC

- I. Role call: The Test Review Group meeting (TRG) for Radiosonde Replacement System (RRS) Radiosonde Workstation Software (RWS) Build 2 System Test was held by audio conference call on Wednesday, December 9, 2009. Jae Lee, Test and Evaluation Branch Chief (Acting) and Aaron Poyer, ST Director, convened the meeting with a “roll call” (See above list of attendees).
- II. Agenda: Aaron described the agenda, which was as follows; Test Status, SIR discussion, existing Action Items, Question & Answers. The following are the summary from the meeting:
- III. Test Summary: Aaron gave a briefing of the current test status including installations. Aaron reported RRS Workstation Subsystem (RWS) Build 2 software has been installed on two systems successfully; one system with NOAA Net at Weather Service Headquarter and the other system at SFSC which is not connected to NOAA Net. Aaron stated that the Draft Software Note 10 needs updates for inclusion of other installation scenarios, and he will be providing comments to John Uhlman (OPS12). Aaron discussed the two checkout live test flights flown at SFSC, which leads into the discussion of the SIRs entered during the week.

IV. SIRs Discussion: Aaron began with a description of the SIRs entered during the checkout flights, and the group continued into further descriptions off the fixes by OPS23. The following are the SIRs found during the 1st week of ST and the open benchmark;

- 1367: NCDC archive files. Aaron described that when testing the NCDC Archive transfer with Stuart Hinson that the header for these files has improper times for the release of the balloons, the release time was in 12hr time instead of 24hr time;
- 1368: Audible alert not able to be dismissed. Aaron described that during the flight an audible signal was given for a period of missing data, however no pop-up box was visible and no way to dismiss the tone was found;

Rich Thomas briefed the group on the resolution to these two SIRs, which will be available in the next build of the software. The fix for 1367 was fixing a typo in the formatting of the time stamp (HH instead of hh). 1368 was caused by far negative coordinates used for the slide out messages due to the screen being minimized at the time of the initial message and maximized after that making the message of the viewable area of the screen. Now the RWS.net software will create a scroll bar to allow the operator to locate the message. This has been fixed in Build 2.09.2.

There was a question on whether the field would still be able to minimize the screen? Rich Thomas replied that they can minimize but locations of some windows and messages may change, the scroll bars will allow access to these attributes. Jae asked about having a note on this added to the User's Guide, Nick agreed and will add it in.

- 1366: Mean Wind Calculation. Nick Schmid and Carl Bower were researching the mean wind calculations due to some issues found during the Benchmark Testing. Carl explained that this SIR is from the open benchmark that was noted at the TRR as not important enough to hold-up the ST at this time.

Rich Thomas explained that the error was in the calculation used to draw the vector used for interpolating missing wind data between non-missing points, and that it was due to an error in the weighting value being used. This has been fixed in Build 2.09.2.

V. Further Questions and Discussion:

- Kevin Murray asked about the scheduling of field personnel for Phase II, Jae and Aaron agreed to move the completion date for AI #7 from the TRR up to 12/16 to coincide with the last TRG of 2009.
- Carl Bower had a question on the benefit of co-tracking the radiosondes from LWX and the analysis of the data due to the known algorithmic differences between Build 1.2 and Build 2 as well as any possible unknown differences. Jae explained that through the subject matter experts at NCEP, OPS22, & OPS11 that a thorough examination of the various aspects of the changes to the build could be performed, in part to verify that no unintended changes occurred (data format and layout of products), and that the intended changes (graphical data, layout and messages, archiving, etc..) are functioning as intended.

- Carl Bower had a question on the calibration of the new PDB installed at SFSC, which was a different unit from the one used during the Pre-ST system checkout. Action Item Assigned to Nick Schmid to verify this information.

VI. Previous Action Items: Aaron than went over previous Action Items. All were cleared with the exception of the following which are carried over;

- AI #3: (POC: Ashby Hawse) – Notify OPS24 of NOAA/Active directory setup for the RRS System 7. In-Progress Date TBD, paper work is in, waiting on NOAA folks.
- AI #6: (POC: Aaron Poyer) – Complete the RRS System Certification Form and get a signature from Joseph Facundo. In-Progress, most signature have been collected and nearly all of the NOAA IT System Use Behavior forms have been completed and received for WSH & SFSC personnel.
- AI #7: (POC: Aaron Poyer) – Provide a confirm dates for field personnel support. In-Progress, due date moved up to 12/16/09.

VII. Action Items:

- Carried over Action Items:
 - AI #3: (POC: Ashby Hawse) – Notify OPS24 of NOAA/Active directory setup for the RRS System 7 by 12/11/09
 - AI #6: (POC: Aaron Poyer) – Complete the RRS System Certification Form and get a signature from Joseph Facundo
 - AI #7: (POC: Aaron Poyer) – Provide a confirm dates for field personnel support (tentatively setup to start on the week of 1/25/10); due date 12/31/09
- New Action Items:
 - AI #8 (POC: Aaron Poyer) – write a SIR documenting recommended changes and comments on Software Note 10
 - AI #9 (POC: Nick Schmid) – Check PDB calibration and other info for SFSC System 7
 - AI #10 (POC: Nick Shmid) – Distribute User's Guide to Regions for dissemination to field Focal Point/ Personnel

The next Test Review Group meeting (TRG) will convene in Rm. 8246 at SSMC2 at 2pm EST on 12/16/2009, to follow-up on existing SIRs and Action Items, and go over any new issues or questions that may have arisen during testing. Please use the following information to dial into the meeting:

Telephone: 1-888-539-7320

Password: 1615944#