Radiosonde Replacement System (RRS)
Radiosonde Workstation Software (RWS) Build 2 System Test
Test Review Group (TRG) Meeting
December 16, 2009

ATTENDEES:

NWS:
Field Sites:

Newport, NC (MHX)	Central Wills
Shreveport, LA (SHV)	Aaron Stevens
Springfield, MO (SGF)	Gerry Claycomb
Sterling, VA (LWX)	Calvin Meadows

NWS Regional Headquarters:

Larry Hubble – AR42	Kevin Murray – ER42
Mike Asmus – SR4	

National Specialized Centers:

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	Don Johnson – OPS22
Sergio Marsh – OS7	

iv. 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 16, 2009. Aaron Poyer (OPS24), ST Director, convened the meeting with a "roll call" (See above list of attendees).

v. Agenda: Aaron described the agenda, which was as follows; Test Status, SIR overview and status, outstanding Action Item status, and any new action items, Question & Answers. The following are the summary from the meeting:

vi. Test Summary: Aaron gave a briefing of the current test status including the completed flights, and test procedures. Aaron reported on the live flights flown by the LWX (IAD) personnel that have been tracked by the ST test system at SFSC, as well as the live test flights flown at SFSC. Aaron described that there were approximately six procedures completed during these flights, and then moved on to an overview of the new SIRs entered during the week.

vii. SIR Overview and Status: Aaron began with a list of the new SIRs and a very brief description of the SIR/Conditions leading up to them. Rich Thomas (OPS23) then briefed the group on the Status and more in-depth descriptions of the SIRs and there causes and fixes, and explained that the all the SIRs have been addressed and will be fixed in the next maintenance build, 2.09.3 to be released to internal OPS23 testing the week of 12/21. The following are the SIRs found;

- 1370: GPS track mode switches to Manual mode upon missing GPS. Rich described that since the GPS track mode is a variant of the manual mode that if the GPS data goes missing the system reverts back to manual mode. He added that Nick and Ivan Navarro (OPS11) had suggested fixes where the system should be left in GPS mode beyond the point of the GPS data missing for 1-minute so that it picks-up the data when it comes back. Rich and Kevin Kay (OPS23) described that the new implementation will now perform the suggested functionality from Nick & Ivan as well as an audio alarm with a slide bar notification to notify the operator that they will need to initiate a search. This will be fixed in the next maintenance build, 2.09.3.

- 1371: Multiple Reset TRS (HW) messages. Rich explained that this was due to faulty logic which allowed multiple instances of the message. This will be fixed in the next maintenance build, 2.09.3.

- 1372: Pop-up not closing properly, no way to dismiss no access to Flight Summary. A pop-up/slide out message indicating applying user edits was being displayed at the same time as a software detected flight termination (balloon burst) and was not dismissed with no way to dismiss this, because of the in-process edits message the Flight Summary was not accessible. This will be fixed in the next maintenance build, 2.09.3.

- 1373: TRS display results box; this was relating to an EL 999 value message being displayed when no EL move was requested, this has been changed to no message being displayed. This will be fixed in the next maintenance build, 2.09.3.

- 1374: Unable to overlay levels data for the dewpoint in the skew-t plot. This will be fixed in the next maintenance build, 2.09.3.

- 1375: Relates to SIR 1370, Rich and Kevin explained this was a design issue with the GPS track mode, where when the TRS display window was closed the antenna sat stationary instead of tracking, with the TRS Display window open it tracks as expected. This will be fixed in the next maintenance build, 2.09.3.

- 1376: Access to write to E:\RWSbackup for non-admin users. This was related to the permission not being set by RWS for non-admin users to have

write access to the E:\ drive on a new or newly formatted drive. This will be fixed in the next maintenance build, 2.09.3. .

- 1377: OPS24 comments on the Software Note 10. Aaron explained that this was newly entered for John Uhlman (OPS12) to be able to include the comments on the Software Note 10. OPS24 will conduct another installation with the updated procedure when it is available.

viii. Further Questions and Discussion:

Carl Bower (OPS22) asked about the GPS track mode and whether the Auto-Track should kick-in automatically if the GPS data goes missing. Kevin Kay said that this is relating to GPS data dropouts and that since GPS mode is a variant of manual mode it reverts to manual with a message to the operator. Carl further was unsure if this is proper operationally since an operator may not be available in the 2-minute window where action needs to take place and asked about falling back into auto track mode, or limited search mode. Jae asked if perhaps the GPS reverting to auto mode. Kevin and Nick answered stating it is not the case that the GPS modes would have auto-track as a backup because GPS mode is a back-up for when the scanner is unavailable for performing Auto-track. Also it was noted that the Auto track will still be the standard tracking procedure for field sites. Jae Lee recommended since the GRS tracking mode is a new feature in the Build 2, OPS24 will be soliciting recommendations from field personnel during the ST Phase II which is scheduled to start the end of January 2010.

Central Wills (MHX)) recommended that whatever process is the fastest to get the sonde back into tracking (get back missing data) is the best solution since the operator is pressed for time on this short window and may not be able to perform the task as soon as a notice is issued by the RWS for missing data.

Gerry Claycomb (SGF) commented that upon missing data/gps data that going into manual mode so that the operator can quickly start a search mode is a solution that he would recommend.

ix. Action Items: Aaron went over the previous unresolved action items.

- Carried over Action Items:
  - x. AI #3: (POC: Ashby Hawse) – Notify OPS24 of NOAANet/Active directory setup for the RRS System 7. In-Progress/TBD
  - xi. AI #6: (POC: Aaron Poyer) – Complete the RRS System Certification Form and get a signature from Joseph Facundo; In-Progress
  - xii. AI #7: (POC: Aaron Poyer) – Provide a confirm dates for field personnel support (tentatively setup to start on the week of 1/25/10); Date Changed to In-Progress, OPS24 is trying secure the proper charging information and will have it available as soon as possible.
  - xiii. AI #10 (POC: Nick Schmid) – Distribute User's Guide to Regions

for dissemination to field Focal Point/ Personnel. To be distributed in the upcoming week.

- Completed Action Items:
  i. AI #8 (POC: Aaron Poyer) – write a SIR documenting recommended changes and comments on Software Note 10
  ii. AI #9 (POC: Nick Schmid) – Check PDB calibration and other info for SFSC System 7

- New Action Items:
  None

It was put to the group to cancel the 12/23/09 TRG meeting and reconvene on January 6th, pending no major ST issues. There were no objections from the group.

The next Test Review Group meeting (TRG) will convene in Rm. 4246 at SSMC2 at 2pm EST on January 6, 2010, 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#