



## ASOS CONFIGURATION CONTROL BOARD (ACCB)

### ACCB Meeting Minutes of February 6, 2007

#### I. CONVENE - 10:00 A.M.

Meeting number 62 of the ASOS Configuration Control Board (ACCB) was held on Tuesday, February 6, 2007, in room 4246 of the Silver Spring Metro Center #2.

#### Members participating:

OPS22 - Joe Facundo (chair)  
OST11 - Bruce Giza  
OPS22 - David Mannarano  
OS7 - James Heil  
ATO-T - Bing Huang  
ATO-T - Cal Smith (teleconference)  
ATO-W - Tuyen Kieu (teleconference)  
USAF - Not represented  
SPAWARSYSCEN - Ed Heusinger (teleconference)  
OS12 - Rob Ericson (secretariat)

Advisors and guests included: Greg Henry (FAA); Wayne Knight (US Navy); Leroy Spayd and Paul Hamilton (OS1); Anthony Leonardo (OPS12); Don Rinker (OPS12); Fred Hauschildt (OPS14); Gary Alessi and Rick Parry (OPS22); Peggy Hoch (OPS23); Jerald Dinges and Bryan Moore (OPS24); Kevin Conaty (OPS33); John Monte, Richard Lewis, Mike Salyards, and Mike Sturgeon (OST11); A. N. Ananth, Ron Allen, and Karthik Gopalakrishna (Prism).

## II. Review of Minutes

There were no comments on the November 14, 2006, minutes; they will be released by the ACCB Chair; and redistributed to the members.

## II. Items for Discussion:

Peggy Hoch introduced the Prism representatives who presented a briefing (attached) on the ASOS Redesign of Tasking and Inter-task Communications to close her action item from the November 14, 2006 ACCB meeting. Bing Huang asked about the testing process, expressing concern about unforeseen problems that may occur when implementing substantial software changes. Bryan Moore indicated that this change will require thorough government testing following the factory testing. Cal Smith indicated that the FAA will be implementing more stringent software rules that may affect the ASOS program. Joe Facundo asked that the FAA brief the ACCB on the new rules at the appropriate time, especially if there will be any impact on software version 3.0.

Peggy Hoch presented information on the software release Requests for Change (RCs).

- 10490 (NWS699) Implement ASOS Version 2.79D

Bryan Moore indicated that the software has been installed at Sterling and Johnstown and is ready for testing. Joe Facundo asked if the 1 minute ADAS problem will be tested at Atlantic City; Bryan responded that the Atlantic City test will be conducted remotely using a codex modem connection. Cal Smith asked that St. Louis be included early in the OAT test and Dave Mannarano will provide the list of 67 OAT sites to be distributed with the RC.

**Action Item:** Moore - Notify ACCB when ready to test V2.79D.

- 10491 (NWS700) Implement ASOS Software Version 2.79W

Version 2.79W will be a diagnostic load with limited deployment. Cal Smith expressed concern over erroneous wind reports as a serious potential problem for flying operations; Mike Sturgeon indicated that erroneous winds are not reported.

**Action Item:** Conaty - Provide a list of sites affected by V2.79W to the ACCB.

- 10492 (NWS701) Implement ASOS Software Version 2.84E

Joe Facundo requested that version 2.84E be combined with version 2.85. Peggy Hoch indicated that version 2.85 will need to be

held for the results of version 2.84E testing. Bryan Moore reported that system testing is complete and Mike Salyards reported that the draft modification note will be completed by the end of the week. Cal Smith asked that Toledo, Atlantic City, and Cleveland be included in field testing. Tony Leonardo indicated that W/OPS12 will participate in the first installation to test the instructions.

John Monte indicated that he is working with Sterling and the NWS Southern Region looking at the options on the frog basket problem.

**Action Item:** Lewis - Provide a draft preliminary report on the AWPAG outer shield.

Tony Leonardo reported on the thin client flat panel that will become the replacement item for obsolete and failed monitors. Greg Dalyai is drafting the request for change. Cal Smith will provide the FAA human factors design compliance document to Tony.

Fred Hauschildt provided the status of the RC drawings. The configuration branch has completed one drawing, is working on AWPAG drawings, and when complete will work on Ice-Free Wind sensor drawings.

Richard Lewis provided the status on the Enhanced Precipitation Identifier (EPI) testing. They have collected good data and are working on two problems: (1) freezing rain being reported as snow and (2) heavy rains in connection with high winds being reported as hail. Vaisala has provided fixes for both problems and the fixes will require further testing. Bing Huang asked about the status of the test report and the production schedule. Bruce Giza responded that the test report is awaiting additional testing results and that production will likely have to be slipped.

Cal Smith indicated that Rick Heuwinkle of the Policy Division will provide a memorandum to Denis McCarthy of the Office of Climate, Water, and Weather Services on the FAA ice accretion requirements.

Tuyen Kieu discussed the FAA objections to RC 10403 (V0020) Ice-Free Wind Sensor Bird Perch Kit. The FAA has a fully tested solution using nail prongs to keep the birds away from the sensor.

**Action Item:** ACCB Members - Provide consolidated comments on RC10403 (V0020) Ice-Free Wind Sensor Bird Perch Kit by February 21, 2007.

**Action Item:** Sturgeon - Set up a meeting to discuss bird perch issues.

### III. Action Item Review

The action item table includes items completed before or at the meeting and new action items derived from the ACCB meeting discussions.

### IV. Items for Discussion and Decision:

Peggy Hoch provided an update on the status of version 3.0. Prism has completed development of Build 1 and will conduct factory testing in early March. Prism added RC AA713 (NWS682S) Modify Sky Condition Algorithm back in to Build 2 and moved OTR1036 to Build 3. Some of the RCs for Build 3 are not yet written. Bruce Giza indicated that the ceilometer may require additional software changes.

**Action Item:** Williams - Provide a briefing at the next ACCB meeting on software changes needed for the ceilometer after April 1, 2007.

**Action Item:** ACCB - Define software version including changes needed for the ceilometer for APMC approval.

### V. RCs Processed or In Process (not attached):

- S00848 GTA Broadcast after a Corrected Report is Generated - **Rescinded**
- S01127 Compute and Display Wind Chill and Heat Index on Aux-Wx Page - **Rescinded**
- 9874 (SRH853) Raise Combined Sensor Group at Salt Point, LA - **In Review**
- 10128 (WRH389) Install 5 Meter Tipping Wind Towers at Elevated Sensor Platforms at Blue Canyon, CA; Mullan Pass, ID; and Stampede Pass, WA - **Withdrawn**
- 10182 (FAA331) Move ACU and Install GTA Radio at Esler Field (ESF) in Alexandria, LA - **Approved**
- 10243 (FAA333) Move ACU and OID at Covington, KY - **Approved**
- 10246 (FAA334) Connect RVR to ASOS at Chicago Midway International Airport, Chicago, IL - **Approved**
- 10247 (WRH393) ADD UPS to the Single Cabinet ASOS at Rome, OR - **In Process**

- 10287 (WRH394) Add UPS to the DCP at Mullan Pass, ID - **In Process**
- 10288 (FAA335) Move ACU at Alexandria, LA - **Approved**
- 10289 (FAA336) Add VDU at Islip, NY - **Approved**
- 10319 (FAA337) Move ACU at Brown Field Municipal Airport, San Diego, CA (SDM) - **Approved**
- 10325 (NWS696) Expand the Six Available Operational Periods for the Freezing Rain Sensor to Nine Periods - **In Review**
- 10336 (NWS697) Improve Access Security and Password Management - **In Process**
- 10339 (CRH880) Move ACU at Sisseton, South Dakota (8D3) - **Approved**
- 10395 (NWS698) ASOS Redesign of Tasking and Inter-Task Communication - **In Review**
- 10403 (V0020) Ice-Free Wind Sensor Bird Perch Kit - **In Review**
- 10406 (SRH882) Implementation of ASOS Mod Note 40 at WFO Midland, TX - **In Review**
- 10446 (WRH397) Add OID at Arcata, CA (ACV) - **In Process**
- 10460 (FAA338) Add a VDU and Move the ACU at New Braunfels, TX (BAZ) - **In Process**
- 10461 (FAA339) ASOS VDU-to-IDS4 Interface at the Arapahoe ATCT at the Centennial Airport in Englewood, CO - **Approved**
- 10481 (FAA340) Provide ACU VDU Port Data to the ATCT via Local Modems and Phone Lines at San Angelo, TX (SJT) - **In Process**
- 10482 (FAA341) Add ASOS/ACE-IDS Interface for Spokane, WA (GEG); Felts Field, WA (SSF); and Missoula, MT (MSO) - **In Process**
- 10486 (FAA342) Move ACU at Wooster, Ohio (BJJ) - **In Process**
- 10487 (FAA343) Move Combined Sensor Group (CSG) at St. Paul, MN (STP) - **In Process**

- 10488 (FAA344) Change Ground-to-Air GTA Radio Frequency at Akron, CO (AKO) - **In Process**
- 10489 (FAA345) Move ACU and ADD OID and Antenna at the New ATCT at Phoenix Deer Valley, AZ (DVT) - **In Process**
- 10490 (NWS699) Implement ASOS Version 2.79D - **In Process**
- 10491 (NWS700) Implement ASOS Software Version 2.79W - **In Process**
- 10492 (NWS701) Implement ASOS Software Version 2.84E - **In Process**

#### **VII. Next Meeting**

**The next ACCB Meeting will be scheduled in late spring 2007.**

**VIII. ADJOURNED 12:15**

**ASOS CONFIGURATION CONTROL BOARD ACTION  
ITEM/IMPLEMENTATION TABLE**

ITEMS WITHOUT APPROVAL DATES MAY BE ELIGIBLE FOR FINAL VOTE UPON COMPLETION OF ACTION ITEMS.

FOCAL POINTS ARE RESPONSIBLE FOR REPORTING ACTION ITEM STATUS.

Reference	FOCAL PT	REQUIRED ACTION	AI STATUS	DUE
General Actions	Sturgeon	Draft an RC on the bird perch modification.	Completed 12/15/06	
	Facundo	Form an ad hoc group to resolve the frog basket modification issue and draft an action plan.	Completed 2/6/07	
	Hoch	Provide a rough-order-of-magnitude cost estimate to the FAA for the alternate solution for RC S00853.	Completed 11/16/06	
	Hoch	Distribute the Sky Condition Algorithm for ACCB review.	Completed 11/16/06	
	Facundo	Form an ad hoc group to propose an evaluation process for the 25K Sky Condition Algorithm.	Assigned 11/14/06	
	Smith Huang	Write an OTR on the ADAS dewpoint reporting problem.	Assigned 11/14/06	
	Dinges	Revise the test procedures to assist the FAA Tech Center to verify the message content in the 1 minute data on the ADAS communications line.	Assigned 11/14/06	
	Giza	Install the IFW Sensor and the AWPAG at Atlantic City.	Completed 11/29/06	
	Hoch Alessi	Convene another meeting to review the remaining OTR issues and report any updates to the ACCB.	Completed 2/6/07	
	Hoch	Provide the details on the pending RC on the ASOS Redesign of Tasking and Inter-task Communications.	Completed 2/6/07	
	ACCB Members	Review the Build 2 and 3 items on the software version 3.0 lists.	Completed 2/6/07	
	Hauschildt	Present the status of the RC drawing issue at the next ACCB meeting.	Completed 2/6/07	
	Moore	Notify ACCB when ready to test V2.79D.	Assigned 2/6/07	
	Conaty		Assigned 2/6/07	
ACCB Members	Provide a list of sites affected by V2.79W to the ACCB.  Provide consolidated comments on RC10403	Assigned 2/6/07	2/21/07	

Reference	FOCAL PT	REQUIRED ACTION	AI STATUS	DUE
	Sturgeon	(V0020) Ice-Free Wind Sensor Bird Perch Kit.	Assigned 2/6/07	
	Williams	Set up a meeting to discuss bird perch issues.	Assigned 2/6/07	4/1/07
	Lewis	Provide a briefing at the next ACCB meeting on software changes needed for the ceilometer.	Assigned 2/6/07	
	ACCB	Provide a draft preliminary report on the AWPAG outer shield.	Assigned 2/6/07	
		Define software version including changes needed for the ceilometer for APMC approval.		