

Notes from CAT-II Meeting Tuesday March 24, 2009

Name of RFC representative in attendance:

APRFC	Scott Lindsey
CBRFC	Michelle Schmidt
LMRFC	Dave Reed
MARFC	Peter Ahnert
MBRFC	(absent)
NCRFC	(absent)
OHRFC	Tom Adams (Craig Hunter absent)
SERFC	John Feldt
WGRFC	Bob Corby

CAT members present:

CNRFC	Rob Hartman
NWRFC	Joe Intermill (Harold Opitz absent)
ABRFC	Billy Olsen

Also present:

Chris Dietz, OHD HSEB, CHPS Project Manager
Jon Roe, OHD HSEB Chief
Edwin Welles, Deltares

Document reference: "Baseline Operational Capability II For CAT RFCs", Version 20090310, distributed by Rob Hartman via the cat_2 infolist.

Agenda:

1. All actions are now closed. See table below.
2. Forcings continued....
 - By Friday March 27 OHD will compile and distribute to the CAT-II a matrix showing every RFC's response for AI # C2-03102009-03
 - Chris to send to CAT-IIs the answer from Deltares for AI # C2-03102009-04
3. Continue discussion of the referenced BOC-II document
 - 2.1. Section on NWSRFS operations:

- Operations requiring existing calibrated parameters – needs completion of AI # C2-03242009-01 and C2-03242009-02
- FEWS analogs – needs completion of AI # C2-03242009-04
- AWIPS baseline DHM – no one uses. No change to BOC-II document needed.
- HL-RDHM:
 - Time series output from HL-RDHM must ingestible into CHPS; HSMB to define a format (e.g., SHEF) for said HL-RDHM output and change the HL-RDHM software
 - Do not want BOC-II to infer that HL-RDHM will never be implemented in CHPS; change the wording
 - HL-RDHM is not a good candidate to demonstrate the streamlined CHPS science-to-operations paradigm
- FLDWAV/DWOPER:
 - OHRFC recommends starting with better data when calibrating HEC-RAS to prevent bad results
 - None of the CAT-IIs anticipated any workload issues associated with the change to HEC-RAS
 - HSEB reports a technical issue with the Linux version of the RAS interface; end-to-end testing now scheduled for June.
 - HEC-RAS calibration activities are external to CHPS.
 - FEWS adapter for HEC-RAS will be available to CAT-II sites when the Linux HEC-RAS software goes out
 - HEC-RAS transition support is being led by HSMB. Training is being handled separately, also by HSMB.
- FFG:
 - **SERFC, LMRFC, WGRFC:** will all use ABRFC's GFFG approach. NCRFC and NERFC are also migrating to this approach. Operational support for this hasn't been formally identified yet – need to identify something at a national level.
 - **MARFC** is already gridded; can live with current arrangements until a substitution comes along. Needs a GFFG which works for cold regions. Collaborating with NERFC on using HL-RDHM with snow – results are encouraging. Would place an operational requirement on HL-RDHM (still owned and maintained by HSMB). Its WFOs use initial values from FFG or HWG for their site-specific API model
 - **OHRFC:** has abandoned HWG; WFOs didn't have a problem with that. All WFOs run site-specific (Sac) – 70-80 basins. Will likely go with the ABRFC solution; will get serious this Summer
 - Need to identify a product generation process for CHPS – update BOC-II doc to reflect.
 - Head water tables – NE is actively working with Deltares on a solution; to be discussed at next week's workshop
- HWG:
 - HWG is still useful to produce. **MARFC, LMRFC, SERFC:** all still require an HWG process. CNRFC stopped using the output from HWG because they found the numbers were bad. It is an area ripe for improvement.
 - NERFC is already investigating a possible replacement process; RobS will report back at the next conference call.
 - Deltares noted that some FEWS capabilities exist for FFG/HWG, but more development work is needed.

- OHD/Deltares/CAT will present material from CAT workshop along with any outcome of discussions
4. Rob Hartman will update and distribute the BOC-II document based on discussions from this meeting.
 5. Chris will distribute notes from this meeting.
 6. Next meeting: we will skip 3/31/09 because the CAT will be at the workshop. **Next meeting will be on April 7**, at which time we can (if desired) provide a summary of workshop discussions.

Action Number/Item	Who	Notes
C2-03102009-01: Capture changes to BOC-II from this meeting; distribute updated version of BOC-II document	Rob Hartman	Closed (updated version emailed on 3/10/09 to cat_2 infolist)
C2-03102009-02: Distribute “matrix” from the OHD (“national”) Forcings Team, which describes CAT strategy/requirements for transition to CHPS in the absence of NWSRFS pre-processors	Harold Opitz	Closed (matrix emailed on 3/10/09 to cat_2 infolist)
C2-03102009-03: Each CAT-II RFC to prepare initial version of their entry for the Forcings “matrix”	CAT-II attendees	Closed (all responses received via email by 3/24/09)
C2-03102009-04: Get statement from Deltares whether FEWS has capability to identify sensitive/proprietary data that must be excluded from external reports (BOC requirement)	Harold Opitz	Closed (email exchanged on 3/17/09). Update 3/24/09: Chris to send to CAT-IIs the answer from Deltares for this AI
C2-03102009-05: Distribute notes from this meeting to the cat_2 infolist	Chris Dietz	Closed (emailed on 3/10/09 to cat_2 infolist)
C2-03172009-01: Distribute notes from this meeting to the cat_2 infolist	Chris Dietz	Closed (emailed on 3/20/09 to cat_2 infolist)
C2-03242009-01: distribute to all of the CAT-IIs instructions (also script?) originally developed by Joe Ostrowski for the purpose of identifying NWSRFS operations in active use	Chris Dietz	Closed (emailed on 3/25/09 to cat_2 infolist)
C2-03242009-02: review list of operations to make sure they’re accurate; please notify RobH if any critical operations are missing	All CAT-IIs	

Action Number/Item	Who	Notes
C2-03242009-03: review list of operations in BOC-II doc to make sure it matches the original script output we gathered	Chris Dietz	
C2-03242009-04: update (correct, complete) the Software Migration Mapping document; distribute the updated version to the cat_2 infolist	Deltares/Edwin Welles	
C2-03242009-05: Compile and distribute to the CAT-II a matrix showing every RFC's response for AI # C2-03102009-03	OHD/TBD	By Friday March 27
C2-03242009-06: Time series output from HL-RDHM must ingestible into CHPS; HSMB will define a format (e.g., SHEF) for said HL-RDHM output and change the HL-RDHM software accordingly	OHD/HSMB	
C2-03242009-07: For agenda April 7 meeting: report from NERFC on their investigation into a replacement HWG process.	RobS	By 4/7/09