

## Minutes from CHPS Meeting Thursday January 6, 2011

### Attendees:

ABRFC – Mike Pierce, Jeff McMurphy  
CNRFC – Rob Hartman, Chris Mayo  
NERFC – Rob Shedd, Alison MacNeil, Ron Horwood  
NWRFC – Harold Opitz, Joe Intermill  
NOHRSC – John Halquist  
Deltares – Edwin Welles  
OCWWS HSD – Dave Riley  
OHD – Jon Roe, Chris Brunner

### Pre-reading:

- Support Log sent to chps\_ops on January 5 by Dave Riley

### 1. Support Log health check

- NERFC previously reported issue #429 (unitHG mod window going blank). #429 seems to be similar to #376. DaveR will compare stack traces reported for each and compare to see if it's the same thing. Andre has apparently reproduced this and expects to issue a patch. There are actually 2 separate problems, one of which is very annoying when making a UnitHG mod (Moderate priority); the other prevents a UnitHG mod from being made at all (High priority) DaveR has assigned #431 to the new issue.
- NERFC ran live CHPS operations for a day. The RVF was issued okay. The text-based flash flood product was fine but there were some issues with the graphics product: (1) there seems to be some differences in values with a factor of approx 25 – this leads RobS to believe it might be a metric-US conversion issue. (2) the grids are offset by about 1-2 pixels. (3) one basin has an additional 1-pixel blank boundary for approx half the boundary length. NERFC is already working with Lee and Ai on these issues. NERFC can't go to full operations until after Alison and Jeane return.
- NWRFC is investigating a problem that prevents the messaging service (distributeProduct) from running; this is happening regularly. They believe it is related to semaphores; NWRFC reported that clearing out the semaphores seems to restore the messaging service to normal. Exiting the OC works to a certain extent although some semaphores seem to get left behind; this seems to occur for users running inside AWIPS, not to those running remotely on LX7 (Corps). NWRFC has 8-10 people running CHPS at a time (more than other RFCs). Some semaphores are root-linked, some are user-linked. Re-booting is a brute force, but not ideal, way of solving the problem. These symptoms are different than those reported the last time semaphores were found to be a problem (in that case the FSSs were crashing at NWRFC). Edwin will get some background info from Frederik, including how many semaphores can be open at one time. One of the CAT-II RFCs also reported a problem with distributeProduct not running, but the cause of that hasn't been investigated yet.
- FogBugZ status: OHD's ISSO submitted an RC to connect the server (schuykill) to NOAAnet. It was denied because they said we need to get approval from every regional ISSO first. We are still waiting for one of the regions to provide approval.
- Status of NWRFC's bad LAN port? We are still in the process of reconfiguring, and will contact Dell directly soon.
- JohnH emailed some questions to RandyR but hasn't had a response. (1) Did we go operational with a 100GB partition for the database? If so how much are we currently using and is usage expected to grow? Harold will provide John with info from NWRFC. (2) chps1 has a 5GB data partition which

seems to be empty – is this just an artifact? John will forward the email to DaveR who will see if he can get answers.

Action: DaveR to compare stack traces for issue #429 and #376 to see if they're the same.

Action: Edwin to get (and post) information from Frederik on semaphores.

Action: Harold to get size and usage info on NWRFC's CHPS database for John Halquist

## 2. HIC meeting next week: CHPS items

Jon has a 90-min session assigned to CHPS. He has about 15 slides and is asking all RFCs to provide a 5-minute update. He'll ask the CAT-II if they need any assistance with their migrations. Gary will take the opportunity to encourage the CAT-IIs to make CHPS a top priority. Other items Jon will address include the June workshop, budget line items, calibration status, and status of operational support.

Regarding calibration... Chris reports HSEB/Ai hasn't been able to secure much of PeterG's time to get a demo put together. Also, Peter indicates it will take more time to configure calibration than he originally estimated. Target now is to give the CAT a demo of some (not all) calibration-related features in FEWS in the first week of February. CNRFC says that's acceptable.

Action: none.

## 3. Other items

- Planning for the June CHPS workshop – will be in Boulder at a UCAR facility (not the same building as last time). Chris needs dates. Suggest 2 almost full days (until 3pm the second day) for the CAT-II plus one additional prep day for the CAT. This leads to Monday 6/13 travel, Tuesday 6/14 prep day (CAT only), Weds 6/15-Thurs 6/16 workshop, and Friday 6/17 travel.
- Need info on the Advanced Config training – which RFCs in which session? Which trainers? Chris has a list which she will share with Edwin. Edwin will compile all the info and disseminate to all RFCs.
- System Manager conference calls: these are due to begin soon. Edwin proposes that CAT-IIs be invited to participate along with CATs. However we want to avoid using Frederik for basic material which is already understood by the CAT. Edwin proposes we poll the CAT-IIs for suggested topics, filter those through the CAT to see which ones they can answer, and hold an initial session (or more) where the CAT provides the basics. Frederik would then pick up in a later session when the topics/questions get beyond the CAT. Semaphores would be a good topic for all RFCs. Conclusion: we need to cogitate on this a little more. Edwin will summarize in an email and we'll take it from there.
- What is the status of the development registry? Deltares is about to transition the NWS into the FEWS "stable builds", which are twice a year. The next build closes on April 1 and is focused on BOC-II. Items already slated for the next build are rating curve mods for NCRFC, improved performance for esp runs; gridded ffg for MARFC. Edwin proposes we complete a ranking/review of dev registry items by mid-February. Note that we must leave enough bandwidth to handle problems associated with BOC-II. Suggested schedule:
  - By the end of next week (Jan 14) RFCs must identify all new items which should be on the list.
  - RFCs finish the first round of ranking by Jan 21<sup>st</sup>.
  - Discuss with Deltares, OHD on Jan 27<sup>th</sup> (CAT call).

Action: Edwin to issue the latest dev registry to the CAT/list.

Action: Chris to send Edwin the list of RFC attendees for each Adv Config training class.

Action: Edwin to send out info on Advanced Configuration training.

Action: Edwin to send an email to the CAT detailing his proposal for system manager conference calls.

Action: By Jan 14, CAT RFCs to identify any items missing from the development registry

**Next meeting:** No meeting next week (HIC meeting); next meeting Thursday January 20.