

Minutes from CHPS Meeting Thursday September 9, 2010

Attendees:

ABRFC – Billy Olsen, Eric Jones, Jeff McMurphy, Mike Boehmke
CNRFC – Pete Fickenscher, Chris Mayo [Rob Hartman unavailable]
NERFC – Rob Shedd
NWRFC – Rick van der Zweep, Bruce Anderson [Harold Opitz, Joe Intermill both unavailable]
NOHRSC – John Halquist
Deltares – Edwin Welles
OCWWS HSD – Randy Rieman
OHD – Jon Roe, Chris Dietz

Pre-reading:

- Support Log distributed via chps_ops on Sept 8, 2010

1. Health check on Support Log (major issues, show stoppers)

ABRFC:

- The QPF thing is now resolved. We could have gone operational yesterday but we experienced the problem with TS change mods, which has since been fixed. Today we have weather so we'll try again next week. We're running shadow operations today.
- Biggest problem is having to recreate data stores on the LXs. Sometimes the local partition gets filled up. We only seem to have 3GB for our /data partition... NERFC noted that after their new LX installations the /data directory was much smaller. CHPS uses a different data structure on the new LXs so NERFC now has 58GB. ABRFC should point their local CHPS data stores to /awips/chps/local for the new LXs. All RFCs will need instructions - RandyR will put them together and also contact ABRFC to get them straightened out.
- The pi_service started working today and is being updated fine – not sure why it's working all of a sudden. It updates automatically on headless OC operations.
- We're seeing some log file errors with the rolling barrel showing "MC down" messages.
- We're also waiting for the FFG/FFH scripts in the new release.

NWRFC:

- Operations seem to be going better. The change to fews.sh seems to clear up the permGen errors – we've not seen any more incidences since the change. Question: the September release instructions include different parameter settings for the command line – does the fews.sh change for permGen make a difference to the command line? Edwin will ask Peter to clarify.
- We continue to have some minor glitches; we occasionally have to shut the OC down. If we kill the process we also have to delete some files which are left lying around. If mods haven't been saved they are lost. Deltares-NL developers are looking at a way to get the mods back but it's a non-trivial design which is underway. On the display when can't click on a TS change mod we can File/Exit (don't have to kill the process) and get back in; but we still lose the mods.

NERFC:

- The new OC in this release has much better performance.
- All issues have been reported on chps_ops.

CNRFC:

- We also encounter some minor display issues sometimes.

- One item reported on chps_ops (but not in the Support Log yet) is 45 year calibration runs for other operations besides Lag/K (e.g. ResSngl). In a few places the runs are truncated. HSD will add it to the log. It's believed to be the same fundamental design flaw as in Lag/K.
- What is CNRFC's plan for operational use of CHPS? We still plan to go operational with 4 forecast groups on October 15. We continue our work on forcings; we are now adding elevation time series. We are removing the lapse calculations previously used. We send the new forcings into both CHPS and NWSRFS then run the hydrology and compare the results from both to make sure they match. Why is this activity coupled with using CHPS? It seems to be a lengthy project not truly related to replacing NWSRFS with CHPS. A disadvantage of delaying using CHPS in operations is that CN is missing out on a valuable opportunity to secure maximal Deltares support. Delays could result in competition with CAT-II RFCs for support.

Action: RandyR to put instructions together so FEWS local data stores reflect the changed directory structure on new LXs.

Action: Edwin to ask Peter to say if the fews.sh change for permGen makes a difference to the command line parameter settings for the September release.

Action: HSD to add CNRFC's report on errors with long calibration runs of OHD models.

2. Installation of Deltares "BOC Build"/CHPS-1.0.0

This topic was covered in Agenda item #1 above.

Action: None.

3. Confirm date for CAT workshop

The proposed dates are Noon Weds Oct 20 through COB Fri Oct 22.

We were waiting for RobH to check the dates and get back to us. Rob's back in town, but has not responded about the dates. We'll continue on the assumption that the proposed workshop dates are good for Rob; Chris asked Pete and Chris to let Rob know.

Action: ChrisM/PeteF to provide dates for CAT workshop to RobH.

4. Reminder: review transformation doc on the wiki

Information has already been provided. Last date for feedback is September 30. Does this document cover all transformations or only the new ones? It covers the new ones, and will be blended into the existing transformations document on the FEWS DOC wiki. Eric noted that the xsd files contained many more transformations than are in the document under review. PeterG would be happy –he has often said the best documentation is the xsd files!

Action: None.

5. Any other items?

- ABRFC will send more input for Chris's support meeting this afternoon.
- Did we finalize the CAT-II training dates? There was some email traffic about a conflict during one week with a BPA visit. Edwin said to ignore; Deltares will provide trainers. OHRFC will now attend the week of Jan 20.

- RandyR reported delivery of one R710 for the new chps system.

Action: None.

Next meeting: Thursday Sept 16, 2010