

Minutes from CHPS Meeting Thursday September 30, 2010

Attendees:

ABRFC – Billy Olsen, Jeff McMurphy, Mike Pierce
CNRFC – Rob Hartman
NERFC – Rob Shedd, Ron Horwood
NWRFC – Harold Opitz, Joe Intermill
NOHRSC – [absent]
Deltares – Edwin Welles
OCWWS HSD – Dave Riley
OHD – Chris Dietz

Pre-reading:

- Proposed CAT workshop agenda sent by Edwin on 9/22 to the chps_migration list

1. Beta Testing and Support Log review

NWRFC has a couple more issues, nothing is a blocker. #366 - HSD can't reproduce on the NHOR; Andre can't reproduce in Delft; NWRFC can't reproduce on demand.

CNRFC is concerned their MC was taken down but no one informed them. The cause of the outage was HSD, who believed they had taken the standby offline (CNRFC has a different MC numbering convention than the other RFCs, because they have 3 systems not 2). CNRFC would like to stress HSD must always coordinate with the site before doing any unrequested maintenance. CNRFC is also doing end-to-end testing and making good progress. This release seems to yield faster performance. They don't expect to be operational on the 15th; they have about half their area running in CHPS and expect to bring in the rest over the next few months.

ABRFC is fairly happy. When they activated multi-threading they reduced their ensemble run times by half. But there's a (likely self-inflicted) problem which causes reservoir releases to be multiplied by 30, so they have backed down to 4-core runs.

NERFC is still on patch 1.0 not 1.2 because of the multiple data stores issue; patch 1.2 provides no benefit to us. Forecasters are finding that in general CHPS produces good comparisons between IFP and IFD; the one significant difference was reported on chps_ops. We expect flooding in the next few days so we'll be tied up.

Who has tested the new mods (BOC requirement)? They appear to be a requirement from CNRFC; however CNRFC has limited resources. For planning purposes Deltares prefers this not become a last minute show stopper.

Action: none.

2. CNRFC ResSim testing

Deltares would like to transfer ownership of the adapter code to RMA. However they prefer to make sure everything is working correctly at CNRFC first. Matthijs has provided sample configurations and documentation to CN – is this enough? CN says yes. It is on their operational path; they just need some time to set it up.

NWRFC wants to know if they can use ResSim. They have already done some calibrations on the SA. OHD recommends they wait until RobH says ResSim works the way it should. NWRFC expects to train the USACE on the CHPS OC in November/December – this requirement is ahead of introducing ResSim into operations.

Action: none.

3. BOC evaluation/CAT agenda

The focus of the upcoming CAT workshop will be an evaluation of the system wrt BOC definition. Deltares would like the following feedback from the CAT either before the meeting or ad-hoc during the meeting (the sooner the better):

- Is there anything missing from the list of suggested categories?
- What are you expecting in BOC that's not there yet? We will discuss at the meeting how to complete the requests. Goal is to create a "punch list".
- We should also identify which things have reached BOC level.
- When all categories are checked off, then we can say the entire system has reached BOC level.

The CAT agreed that this approach is reasonable.

Action: none.

4. Other items

(Ref. agenda item 3): What are we doing about system enhancements? These are currently captured in the Development Registry. They should be separate from the BOC review. OHD has included a line in the FY11 budget for Enhancements; they can be worked on, but not until after work for BOC-II is complete. Is everything in the support log a BOC requirement? We haven't addressed that yet. Deltares requests that CATs identify items in the Support Log which are absolutely essential for BOC. Be careful not to get into an ever-growing list of issues (a la AWIPS) which prevents you from accepting the system. Deltares assumes that this build meets all basic BOC requirements. In the BOC document we didn't go into the level of detail addressed by some of the Support Log issues

NWRFC and NWSEO raised the need to revisit the IFD before BOC can be declared complete. Some time ago the IFD team was put on hold to allow Andre to focus on build stability and performance. The time has come to finish their work. NWSEO suggests calling an IFD team meeting before the New Year. However this could negatively impact Deltares's BOC-II work. Plus it's highly risky to shake up the IFD in the middle of CAT-II training. NWRFC requested a meeting in January; a face-to-face encounter would be optimal. NWRFC asked if any of the IFD items on the Development Registry could be expected sooner? Edwin could review the list, but points out the primary goal is to get BOC and BOC-II out to the field – we still have 11 RFCs which are not yet operational. It's inevitable the software team must turn some of their attention briefly to the CAT-II; i.e., away from the CAT.

The CAT agreed to continue this discussion at the upcoming workshop.

Action: CAT RFCs to identify items in the Support Log which are absolutely essential for BOC.

Next meeting: Thursday October 7, 2010