

## Minutes from CHPS Meeting Thursday April 30, 2009

### Attendees:

ABRFC – Billy Olsen, Eric Jones  
CNRFC – Rob Hartman  
NERFC – Rob Shedd, Tom Econopouly  
NWRFC – Harold Opitz  
NOHRSC – John Halquist  
Deltares – Edwin Welles  
OCWWS – Randy Rieman, Mary Mullusky  
OHD – Pedro Restrepo, Jon Roe, Joe Gofus, Chris Dietz

### Pre-reading:

- None

### 1. From CAT-II call on 4/28/09 - use of IHABBS, ingest of SNWE

IHABBS will remain external to CHPS; any use of it by CAT-II RFCs can continue as now. If IHABBS needs to be changed to deal with a different format for CHPS, NOHRSC will deal with it at the time.

CHPS will be able to ingest SNWE data because it comes in as SHEF (CHPS has a SHEF parser). It's not a good idea to put the data into PI-XML; leave it as SHEF.

Can SNWE be ingested as a grid into CHPS? NOHRSC can put the data into GRIB; then we would need to extract the information from the grid. The CATs can experiment more as they go along. Note that there is no forecast component included in SNWE; this means the snow-17 model would probably not accept the data, and snow-17 would have to be changed.

RobH will reflect all of the requirements discussed at the CAT-II call in the BOC-II document.

**Action: none.**

### 2. Review Buddy visit presentation templates

The RFC perspective on CHPS can't be developed/presented by anyone other than the RFCs themselves. The CAT needs to convey a consistent message but will provide their own unique perspective. We must make sure the CAT-IIs know we're addressing their concerns; but we must also provide a reminder that the final goal is to retire NWSRFS.

The notion of a presentation template seems to be a good approach, but the notes should be moved up into the main slide. Edwin agreed to do this and then distribute the slides to the

CAT by COB Monday 5/4; we'll hold a review meeting during the regular CAT-II meeting slot (no CAT-II meeting next week). We agreed to: a) clean up the slides; b) set up a meeting to review.

Flooding at ABRFC presents a potential problem for the upcoming buddy visit to WGRFC. We may need to postpone the visit.

**Action: Edwin to update the RFC slide templates and distribute to the CAT by COB Monday 5/4.**

**Action: Chris to set up a buddy presentation review meeting for Tues 5/5 at 11:00 am EDT and send out details.**

### 3. CHPS prototype hardware - update

Chris reported that she'd sent an email to Larry Cedrone for the next round of CHPS prototype hardware purchases.

We also received approval for the extra \$30K requested for an RFC Archive prototype at NWRFC. However unless NWRFC and/or NOHRSC can get detailed information to Chris, she will request the "standard" CHPS prototype hardware for NWRFC. If Harold and JohnH require different equipment they must send the information to Larry as soon as possible.

**Action: Harold/JohnH to send details for desired RFC Archive prototype hardware requirements to Chris or LarryC ASAP.**

### 4. Action Item review

From the agenda email:

CAT calls

4/23/09 Pedro: contact APRFC to discuss Scott's science concerns re. pre-processing

4/23/09 Jon/Chris: talk to TomG about the need to increase resources for RFC migration and operational support

4/23/09 Deltares: start a "CHPS FAQ" wiki page

4/16/09 RandyR: work with Jim Lane and Randy Chambers on a writeup for CHPS o/s and COTS software support

3/19/09 Deltares: update/enhance migration instructions document

3/5/09 JohnH: summarize desirements for FEWS based on NOHRSC installation

3/5/09 RandyR: develop a standard directory naming convention, standard file ownership/permissions

CAT-II calls

C2-03242009-04 Deltares: update Software Migration Mapping and distribute to CAT-II

C2-03242009-06 tbd: work with HSMB to define a format (e.g., SHEF) for HL-RDHM output; then change the HL-RDHM software accordingly

C2-041420090-01 RandyR: Send out an email to prepare for CHPS prototype hardware IP addresses

C2-04212009-01 MarkG: Forward to the cat\_2 list documentation on DailyQC's algorithm to fill in missing station data

C2-04282009-01 Deltares: Draft a list of Techniques and distribute to CAT-II

C2-04282009-03 Harold, Mike DeWeese: Determine a single XML format for describing rating tables for ingest into CHPS; send examples using the agreed format to Deltares/Edwin

C2-04282009-05 CAT: Come up with a proposal for ingesting NOHRSC SNWE data into CHPS to meet OHRFC's requirement

C2-04282009-06 CAT: Discuss a national approach for alternative to IHABBS as a basin delineation and UHG development tool.

#### Selected action item status updates:

4/23/09 Jon/Chris: talk to TomG about the need to increase resources for RFC migration and operational support – No activity on this item yet.

C2-04282009-03: Don Laurine and JohnH have been discussing an XML schema. PI-XML does have a format for rating tables. WaterML does not have a rating curves schema. We are experiencing problems getting the WaterML people to make any progress on the items we need. Pedro had a discussion with Maidment during his recent trip to Vienna. JohnH agreed to send an email to elicit some action. John will be in Virginia next week with Don Cline and Tom Graziano. Pedro agreed to initiate another dialogue, probably via a phone call. WaterML does plan to do more work with metadata (e.g., cross-sections, rating curves); NWRFC would like to be included in activities related to this.

4/16/09 RandyR: work with Jim Lane and Randy Chambers on a writeup for CHPS o/s and COTS software support. The goal is to synchronize with AWIPS on their o/s and COTS versions. There are some potential conflicts with Deltares (e.g., Java). The BCR (baseline change request) mechanism under the former AWIPS SWEG (software engineering working group) would have been the appropriate mechanism to deal with this issue, but it isn't clear what process will be in place for AWIPS-II. We can hold off for a while until we need CHPS to become part of the AWIPS operational software baseline.

**Action: Pedro to re-initiate the dialogue with CUAHSI/Maidment to find out when CUAHSI expects to make progress on the expansion of WaterML for NWS RFC needs.**

## 5. Other items

John Halquist asked if OHD could add NOHRSC to the script which sends ofsde data to Deltares? This wasn't in the original design; JoeG agreed to work on the change; estimates 2 weeks to make it happen. The larger AWIPS WAN won't be impacted, because these transfers go offsite and across the internet.

**Action: JoeG to get data delivery scripts changed to include NOHRSC as a destination.**

### Upcoming meetings

- NO MEETING NEXT WEEK 5/7/09 (WGRFC buddy visit)
- Thursday 5/14/09 will be the next in the series of monthly status briefing to CAT-II RFCs and other NWS participants
- Next meeting: **TBD** (Chris will be at MARFC on Thursday 5/21/09 for another Buddy visit). Next meeting might not be until 5/28/09.