

**NWS Hydrology Forecast Verification Team
Teleconference Notes
02/02/2009**

Agenda

- Presentation of the team recommendations and actions by Julie Demargne
- Presentation of APRFC Raw Model proposal by Scott Lindsey

Questions, Comments and Actions

Slide #3: each RFC will define a few user groups for their forecasts and the level of details these users would like to get for the verification products.

Action: please send the list of user groups to Julie D. (julie.demargne@noaa.gov) by 02/17/09. Julie will summarize all the inputs and send it back to the team before the next meeting for discussion.

We will refine this list of user groups by working with the SCHs in the coming months. Also, once verification standards are defined, the verification team will provide the SCHs a package of these standard products so that the SCHs can present them to the forecast users and get feedback. This will help us determine which products are the most meaningful or what needs are not met yet.

Since we need to define verification standard products for the final team report, we will start with the initial list of user groups to be collected from the 13 RFCs.

The verification standards need to be evaluated by the RFCs using existing/new verification case studies. One case study to be worked on by all RFCs was proposed at the verification workshop: using different lead times of QPF to generate flow/stage forecasts and inter-compare their performance (relative to season, regime, and other conditions) to select optimal QPF lead times based on rigorous verification results.

Action: each RFC will send their plan for their verification case studies and describing their interest in the proposed QPF case study and potential issues to implement it.

Slide #4: each RFC will define the standard raw model application to be used at all the RFCs; the guidance is that this standard raw model should issue the forecasts in a completely automated way (to show all the value added by the forecaster when compared to the operational forecasts).

Action: please see the proposal developed by APRFC and discussed today. The RFC will also list their potential issues and the other flavors of raw model that they plan to use at their office. Please send the raw model definition to Julie D. by 02/17/09. Mary and Julie will summarize the different definitions, the potential issues and the other raw model

flavors, and send these back to the team before the next meeting for discussion.

The plan is to recommend a raw model definition to the HSD Chiefs (listing also the other raw model flavors that could be used at individual RFCs) and to finally define the raw model application to be implemented. This raw model application will probably be implemented in CHPS in the future.

Slide #8: regarding the spatial scales to be used by NCEP to present verification statistics of their ensemble products on the 5 km grid, the RFCs agreed that 3 levels should be considered: 1) RFC areas; 2) carryover groups; 3) forecast groups.

Action: OHD will provide NCEP the masks for these 3 levels of spatial scales.

OHD is also working with NCEP to present consistent verification statistics, using same metrics and similar plots, and also analyze how forecast performance varies in time and space.

The next team meeting will be on **February 23rd, 12 pm – 1:30 pm EST.**