Status Report January 2004

The RFC Archive Database Update and Maintenance (RAXUM) team has finalized the list of tasks it will be working on for the OB4 delivery. These tasks are:

♦ new and improved shefdecoder to replace the existing
♦ update all applications to use secure copy methods (this is an OB4 requirement)
♦ new level 1 processor for stage data (in support of the river verification package that will be delivered as part of OB4)
♦ changes to the database structure for the new river verification package that will be delivered as part of OB4
♦ new application - slopeprofile (carryover from phase 2 team)
♦ new system and database admin tools to help the RFCs better monitor the RAX system; extents monitoring and checking for big files
♦ investigate the use of the archecker script from the IIUG. The archecker is designed to validate a level 0 archive without impacting the production system, ensuring that all data required to restore a system exists on the archive tapes in the correct format
♦ investigate rivercrit table to see if it can be turned into a view, if yes ... write script that implements this change for OB4
♦ datview ... 1) Implement crosshair tracking on the data plot and 2) when looking at historical data, the user requests more flexible window scaling
♦ fam_oper_view ... add more file extensions code will handle
♦ get_states ... more flexibility in input file naming convention
♦ display_rc ...1) would like the plot to be stage vs flow instead of the current flow vs stage, 2) would like only the actual rating curve points shown in the graph... its fine if the table shows the extrapolated values, 3) since this apps displays storage-elevation curves for reservoirs, would like the graph to be labeled properly as well as the tabular data being displayed... likewise do not plot extrapolated points, and 4) would like this application to have the ability to display spillway ratings for reservoirs, SHEF PE code HS.
♦ write procedure that eliminates FAM_Oper_Mgr from rax
♦ arcmenu ... add new applications i.e. new level1 processor and system/dba scripts
♦ write a test plan

In addition, the team leader has placed two requests for additional information on the RFCAWIPS listserver. The 1st request is for file extensions that need to be added to the flatfile viewer with respond by deadline of Jan. 23, 2004. The 2nd request is to collection addition information to help the team develop guidelines for the flat file archive with a respond by deadline of Feb. 6, 2004.

Bug fixes are actively being worked on. New version of dcextract and the level 1 processors have been completed and will be beta tested shortly. As soon as testing is completed, these new versions will be made available through the RFC Support Group.

The team is continuing to work on fixing typos and beefing up selected pieces of

documentation as well as writing new documentation. Revised/new documentation will be posted to the website as soon as it is available. Users will be notified via the RFCAWIPS listserver.

A new website has also been established and is in final review ... for a sneak preview go to http://www.nws.noaa.gov/oh/rfcdev/projects/rfcADEMT_chart.htm . The initial page shows the team chapter and the left hand panel gives the users links to several topics... Project Plan, Status Reports, Documents/Presentations, Support/FAQs, Developers Corner and Team Members.