

Status Report February 2004

The RFC Archive Database Update and Maintenance (RAXUM) team is actively working on the OB4 tasks. A brief summary of where team members/programmers are at follows.

OB4 Task	Status
new and improved shefdecoders	In early February the architecture and software restructuring was finalized. The programmer is now in the process of completing the first step of integrating the IHFS parsing code into the RAX decoders. This step, by default, will also start to incorporate the IHFS style logging, and should eliminate the mysterious dying problem that is occurring at some RFCs. Compilation and testing should be occurring by the last week of February. The integration of the IHFS parsing code should also eliminate most of the bugs currently reported for the current versions of the raw and processed shefdecoders.
update all applications to use secure copy methods	No activity yet.
new level 1 processor for stage data	The programmer determined the best route for implementation of this new feature was to make an enhancement to the process_stage application instead of writing an entirely new level 1 processor. Code changes have been completed and testing will begin shortly.
new application - slopeprofile	The programmer hopes to have initial code completed by early March.
new system and database admin tools	The scripts, find_bigfiles and run_extents, have been written and are being tested.
archecker script from the IIUG	The necessary modifications have been completed and the new script called run_archecker is being tested.
investigate rivercrit table to see if it can be turned into a view	It has been determined that further study of this issue will be necessary and any action will be postponed to OB5
enhancements and bug fixes - datview	The programmer has made significant progress in coding the enhancements and is also working on several bugs previously reported (r1-10, r1-11 & r1-16).
enhancements - fam_oper_view	A request to the RFCs for file extensions they would like to see was made in late January and the list of new file extensions was passed on to the programmer. The programmer plans to add as many of these extensions as possible.
enhancements - get_states	Code changes have been completed and testing will begin shortly.
enhancements - display_rc	As part of the task, the programmer found it more effective to rewrite the entire application. Code changes have been completed and testing will begin shortly.

write procedure that eliminates FAM_Oper_Mgr from rax	No activity yet.
arcmenu ... add new applications	No activity yet.
database changes	A script has been provided by HL programmer for the river verification related database changes. Work on scripts for the other database changes has not begun yet.
Write test plan	The OB1 rax test plan has been provided as an example. Work is beginning on the OB4 plan.

The message the RAXUM team leader posted in January asking for additional information to help the team develop guidelines for the flat file archive received very few responses. Only the SR RFCs were heard from.

Bug fixes are actively being worked on. Testing of new versions of dextract and the level 1 processors has been completed and the new executables are available. Check the RFC Archiver bug list for more information. These bug fixes are 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.