

February 26, 2015

MEMORANDUM FOR: Distribution Email

FROM: Chris Caruso Magee
Configuration Manager, NCEP Central Operations

SUBJECT: Scheduled Operational Changes and Upgrades

The following accelerated items were implemented the past week:

RFC #684 – Modify the queue from prod_shared to prod_serv2 for the jlogmanager_dev, jlogmanager_backup_dev, jprod_setup, and jprod_cleanup jobs, in response to IBM unmounting phase 2 file systems from phase 1 compute nodes. This change will be reverted once IBM's work is completed. Implemented on February 25 at 1100Z.

The following will be implemented the week of March 2, 2015:

RFC #685 – WCOSS Dataflow v1.52.0 – The WCOSS DBNet tables will be modified to stop sending duplicate GFS files to the DDS. To be implemented on March 2 around 1400Z.

RFC #688 – runtime v1.0.0 – Changes to the runtime/model status web page that tracks model timeliness. Includes port to vertical structure, removing runtime2 from production, fixing false positives on the model status page, creating a new runtime log with additional information, and retaining the current runtime format for downstream monitoring scripts. To be implemented on March 3 around 1200Z.

RFC #689 – NCODF Dataflow v2.3.2 – The LDM software on the NCODF systems will be modified to improve the pull of Canadian radar from the TOC. Only the needed radar datasets will be pulled for IDP. To be implemented on March 3 around 1200Z.

RFC #690 – NCODF Dataflow v2.3.1 – The mirror software on 2 NCODF systems is being modified to begin pulling NESDIS fire and smoke data for IDP GIS. To be implemented on March 3 around 1200Z.

RFC #691 – NAM v3.1.7 – Multiple bug fixes to the NDAS and NAM, including a fix to a problem in NAM 36-60 forecast job; fix to prevent NDAS post-process failures; fix to NAM post-processor to compute the non-convective precipitation; fix to NAM sounding post code to correct wind rotation error for NAM nests in the BUFR forecast sounding data; fix to NAM forecast radiation code to prevent a divide-by-zero issue; fix to NDAS satellite radiance monitor to so that it only fails if no satellite radiances are processed by the NDAS analysis. To be implemented on March 3 around 1200Z.

RFC #692 – GFDL v12.0.1 – Implement a GFDL bug fix to upgrade the gfdl_spc2grd code and executable to its intended version. The current version in production works but is older and was delivered to NCO by mistake with the last upgrade. To be implemented on March 3 around 1200Z.

RFC #693 - Add DBNet alerts to SSTOIQD, ESTOFS, and GFS_MOS to assist the local Centers in getting ready for the WCOSS bastion host. To be implemented on March 3 around 1200Z.

RFC #694 – NHC_GUIDANCE v1.0.7 - Remove the last daily trigger (2359Z) of the nhc_storm_datachk job, since it's causing a problem with the hourly suite requeue at 0000Z. Impact – this will delay storm guidance by 2 minutes if there is a new storm at 2359Z. NHC is ok with this change. To be implemented on March 3 around 1300Z.

RFC #695 – WCOSS Dataflow v1.53.0 – Modify the WCOSS DBNet table to begin routing data to NHC's non-SBN system. To be implemented on March 3 around 1400Z.

RFC #696 – Modify the /common/ mounts on internal puppet controlled systems to the new phase 2 Netapp mounts. This is being done only for servers using the new /common directory structure. To be implemented on March 3 around 1500Z.

RFC #697 - Decommission hpccf2-10, wwwdm2-9, and old RHEL5 ncosrv1-8 since their functions have been assumed by new Phase 2 VMs. To be implemented on March 3 around 1500Z. Expected completion date is March 10 around 1700Z.

RFC #699 – Change to have the Point of Contact for the madis.noaa.gov site be the NCWCP Helpdesk and change the DNS pointer so that madis.noaa.gov points to the NCWCP-hosted site madis.ncep.noaa.gov. To be implemented on March 4 around 1500Z.

RFCs that are security-related are not included in the RFC Memo.

---- OPERATIONAL ANNOUNCEMENTS ----

1. The WCOSS Implementation Standards are available at

<http://www.nco.ncep.noaa.gov/pmb/docs/>.

Please adhere to these standards when submitting changes for the WCOSS.

2. Upcoming major changes to NCEP's production suite and details on any product or timing changes associated with upcoming implementations can be viewed at the following website:

<http://www.nco.ncep.noaa.gov/pmb/changes/>

Test data for major changes should be available six weeks prior to implementation. Anyone wishing to receive formal notice of the final pre-implementation testing and the opportunity to provide feedback on the proposed changes can subscribe to the Model Evaluation mailing list via:

<https://lstrv.ncep.noaa.gov/mailman/listinfo/ncep.list.modevalinfo>

3. Maintenance of subscriptions to the Scheduled Operational Changes and Upgrades mailing list can be performed via the following website:

<https://lstrv.ncep.noaa.gov/mailman/listinfo/ncep.list.rfcmemo>

4. The 30-day evaluation of the upcoming RTMA/URMA upgrade will begin on March 2. Information regarding the location of the parallel output data will be disseminated to evaluators in a separate email by the NCO/PMB Chief.