March 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 this past week:

RFC #761 – ecFlow – Fix some ecFlow scripts that were using incorrect project codes, thus causing the related production jobs to be rejected by LSF on WCOSS. Implemented on March 19 at 1945Z.

RFC #763 – WAVE_GLW v3.3.5 – Move the triggers for the GLWN jobs to 5 min. later than present, to allow more time for the NDFD winds to be received. Without current NDFD wind files, the GLWN jobs use outdated files from previous hours, which impacts product quality. Implemented on March 24 at 1200Z.

RFC #764 – Include an additional ECMWF ingest source IP to an access list on the FTP ingest servers. Implemented on March 24 at 1700Z.

RFC #765 – MRMS – Change a configuration file to include radar site KLGX, which has been missing since the latest code upgrade was installed. Implemented on March 24 at 1830Z.

RFC #766 – seaice_concentration v4.1.4 – Filter out erroneous sea ice calculations from the sea ice analysis. Implemented on March 26 at 1330Z.

RFC #767 – WCOSS – Install numpy and Xauth onto the compute nodes of both Phase 1 and Phase 2. To be implemented on March 27 at 1100Z.

The following will be implemented the week of March 30, 2015:

RFC #768 – WCOSS Dataflow v1.60.5, NCOSRV Dataflow v2.5.8 – Modify the DBNet tables on WCOSS to pull in NESDIS satellite products and EMC SST data for use in the NHC production suite. Also send UKMet data to NHC's AWIPS II. To be implemented on March 30 at 1200Z.

RFC #769 – WCOSS Dataflow v1.60.4 – Modify the DBNet tables on WCOSS to begin sending the parallel PSURGE data to NHC. To be implemented on March 30 at 1200Z.

RFC #770 – WCOSS Dataflow v1.61.1 – Modify DBNet on WCOSS to begin saving new UKMet ATCF messages to /dcom, at the request of NHC. To be implemented on March 30 at 1200Z.

RFC #771 – WCOSS – Install git on the Phase 1 and Phase 2 access nodes. To be implemented on March 30 at 1400Z.

RFC #772 – NCODF Dataflow v2.3.2 - Update the DBNet cleanlist on NCODF to retain only 2 days of Alaska and Hawaii AQM data. To be implemented on March 30 at 1400Z.

RFC #778 – ecFlow – Update the ecFlow model group for WCOSS switches by adding the NARRE 1100Z model and the Wave_Multi_2 0600Z model. This will mitigate delays in these models when production is switched from one WCOSS machine to the other. To be implemented on March 31 at 1200Z.

RFC #779 – ecmwf v1.1.1 – Update the ecmwf script to write out a cycle/date specific history file, in response to the failure of this job on March 24, in which an outdated history file was used after the WCOSS production switch. To be implemented on March 24 at 1200Z.

RFC #780 – hrly_realtime v4.0.2, models_realtime v3.0.2 – Add scaling factors (divide by 100) to the 'sevcsr' data type for hrly_realtime and to the 'acars' and 'cris' data types for the RAP. Also correct the gempak plots to prevent scientific notation in the y-axis for these 3 data types. To be implemented on March 31 at 1200Z.

RFC #781 – WCOSS Dataflow v1.61.3, NCOSRV Dataflow v2.5.9 – Modify the DBNet tables on WCOSS and NCOSRV to send data to OPC in support of bastion host changes. To be implemented on March 31 at 1200Z.

RFC #782 – ekdmos – DBNet currently writes ekdmos output to NDGD at the TOC. The ekdmos alerts are being modified to send these output files over the SBN to NDGD via their WMO headers. To be implemented on March 31 at 1200Z.

RFC #783 – WCOSS Dataflow v1.61.0 – The MADIS software running on WCOSS will be shut down as part of the MADIS-NWS (TOC) system decommissioning. To be implemented on March 31 at 1200Z.

RFC #784 – FNMOC_WAVE v1.0.0 – Generation of FNMOC WAVE gempak output is being migrated from Dataflow to a vertical structure model on WCOSS. To be implemented on March 31 at 1230Z.

RFC #785 - Add port capacity to switch NCOAS3-4. To be implemented on March 31 at 1400Z.

RFC #786 – WCOSS Dataflow v1.61.2 – Files sent from WCOSS to IDP-TGFTP are currently stored in directory /common/data/apps/toc/tgftp. This storage area is being renamed to /common/data/apps/nwstg/tgftp. To be implemented on March 31 at 1400Z.

RFC #788 – Dashboard v1.10.1 – Correct the expected dashboard times for 2100Z SREF and some 1800Z Wave /pcom files. The incorrect dashboard times were a result of the files being created shortly after 0000Z. To be implemented on April 1 at 1200Z.

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://lstsrv.ncep.noaa.gov/mailman/listinfo/ncep.list.modelevalinfo

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

https://lstsrv.ncep.noaa.gov/mailman/listinfo/ncep.list.rfcmemo