December 8, 2014

MEMORANDUM FOR: Distribution Email

FROM: Chris Caruso Magee
                                         Configuration Manager, NCEP Central Operations

SUBJECT: Scheduled Operational Changes and Upgrades -
                                         updated

The following accelerated items were implemented the past 2 weeks:

RFC #519 - MRMS – Send MRMS xmrg-formatted data over the LDM for use by
the River Forecast Centers. Implemented at 1500Z on November 24.

RFC #520 – WCOSS Dataflow v1.41.0 - Send GFS EnKF parallel output data
from WCOSS to the NCEP FTP server. Implemented at 1400Z on December 1.

RFC #521 – Increase ECMWF max connections to 20 for ingest. Implemented at
1545Z on December 1.

RFC #522 – Move MADIS website to MADIS-data website and create an empty
MADIS website. Implemented at 1330Z on December 2.

RFC #523 – Remove one web service from the IDP GIS production tier.
Implemented at 1400Z on December 2.

RFC #524 – Upgrade servers to RHEL6 while they're in standby status.
Implementation began at 1500Z on December 2 and will continue until January
23, 2015.

The following will be implemented on December 8, 2014:

RFC #526 – Around 1300Z, allow a CPC developer to access a COLA server at
George Mason University for research purposes.

RFC #527 – WCOSS Dataflow v1.41.1 - Around 1300Z, modify the DBNet
software on WCOSS to begin removing processed alerts from the push
processes to the TOC site B system (BTG)..

RFC #528 – MRMS - Around 1300Z, switch the MRMS reference files for
Canadian radar WVY for the Winter and Summer modes.

RFC #529 – NCODF Dataflow v1.10.5 – Around 1300Z, modify the parallel wave_multi_1 (Global Wave Model) ftpprd content to have spectral bulletin prediction files extracted for users.

RFC #530 – Around 1400Z, enable additional logging on the dmznas servers during daytime hours to check active ftp usage.

The following will be implemented on December 9, 2014:

RFC #537 – NCOSRV Dataflow v1.84.0 - Around 1300Z, begin sending NESDIS RapidScat data from NCOSRV to NTBN.

RFC #538 – Around 1300Z, change the prefix on the VSFTPD log file names to remove the server ID and only have the ftp site host name, as well as modify the log rotation on the system, so that it accepts the new names.

RFC #539 – Around 1400Z, modify the MADIS intranet site for initial deployment at www2.madis.ncep.noaa.gov.

RFC #540 – Around 1400Z, deploy the 30-day termination notice for the MAG legacy website.

The following will be implemented on December 10, 2014:

RFC #531 – ECFLOW - Around 1200Z, change the HIRESW prdgen job to run on non-shared queue, to prevent job failures when the job lands on a busy node.

RFC #532 – PROD_FILEMANAGER v1.2.8 - Around 1200Z, update the rzdm_cleanup job to clean up the mageval website.

RFC #533 – transfer_hourly - Around 1300Z, include radar_reflectivity_mosaic history file in mirror between Tide and Gyre, to prevent the mosaic job from pulling old data when the next WCOSS switch occurs.

RFC #534 – GDAS_SSTOI v1.4.0 - Around 1300Z, turn off generation of obsolete products in the GDAS_SSTOI job to eliminate the dependency on gdas pgrb files.

RFC #535 – NCOSRV Dataflow v1.81.0 - Around 1300Z, modify the DBNet tables on ncosrv to allow MRMS data to be routed to the TOC for routing to AWIPS/NCF.

RFC #536 – WCOSS Dataflow v1.42.0 - Around 1300Z, stop ingesting ASCII Lightning Strike Density (LSD) data on WCOSS, as requested by MDL.

RFC #542 – NCOSRV Dataflow v1.83.0 - Around 1300Z, modify the Mirror Utility to add in a pull for NESDIS NPP sounding data for the first product transitioned from TOC to TOC-IDP.

RFC #543 – Around 1500Z, migrate web and ftp servers from the current wwwdm servers to Phase 2 hardware idpdm and idpftp servers.

RFC #544 – Around 1500Z, change DNS aliases for the local Centers to point them to the new RZDM servers for content pushes. Work begins with CPC on Dec. 10 with EMC to follow. After those Centers are verified, the rest of the Centers will be scheduled for transition also. Implementation on the first 2 Centers is to be completed by December 18.

RFC #541 – NCOSRV Dataflow v1.82.0 - Around 1500Z, begin sending JASON-3 satellite data to NTBN as requested by OPC.

The following will be implemented on December 12, 2014:

RFC #545 – WCOSS Dataflow v1.42.1 - Around 1900Z, temporarily modify the MADIS source IP to allow data to be fed from the MADIS-NWS feed, due to building power maintenance at GSD over the weekend of December 13. This change will be reverted on December 15 around 1300Z.

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

4. The 30-day parallel evaluation of the 2014 GFS upgrade was restarted on November 20. Details on changes made to the parallel GFS were sent separately by NCO/PMB to those evaluating the GFS upgrade. Implementation will occur in January 2015.

5. The Global Wave Model and Hurricane Wave Model 30-day evaluation was restarted effective with the 1200Z run on Nov. 14, 2014. NCO/PMB hopes to brief the NCEP Director on these model upgrades in late December 2014 but the implementations will not occur until January 2015.

6. The 30-day evaluation of the CMAQ v3.6.8 was restarted effective with the 1200Zcycle on Mon. Dec. 1. Implementation is expected to occur in late January 2015.

7. The Great Lakes Wave Model 30-day evaluation will begin the week of Dec. 8 (exact date/cycle TBD). Implementation is expected to occur in January 2015.