

May 8, 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 #892 – NIDS go live tweaks – Added backend servers to the load balancer for more optimal flows. These changes support RFC #876 which was approved at the April 30 CCB. Implemented on May 5 at 1230Z.

RFC #893 – Installed the name server caching daemon on the MRMS VMs to alleviate errors caused by timeouts when LDM is doing name lookups. Implemented on May 6 at 1900Z.

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The following will be implemented the week of May 11, 2015:

RFC #894 – WCOSS Dataflow v1.61.14 – Modify DBNet on WCOSS to send additional forecast hours of the sigma GFS files to ftpprd for the GOES-R project. To be implemented on May 11 at 1200Z.

RFC #895 – Allow the High Rate Picture Transmission (HRPT) subnet to travel through OPSNet instead of through the COPC Monterey connections. The COPC Monterey circuit will be cut on May 15, 2017. To be implemented on May 11 at 1200Z.

RFC #896 – MADIS v2.0.0 – Increase the number of LDM clients allowed on the MADIS distribution nodes from 256 to 512. To be implemented on May 11 at 1400Z.

RFC #897 – Increase the maximum number of FTP ingest connections for FNMOC from 4 to 21. To be implemented on May 11 at 1400Z.

RFC #899 – MADIS v2.0.0 – Resolve a defect in shell script cleanupCommonData.sh to enable proper cleanup of the NFS mount /common/data/apps/madis/ops, in order to free up space on that volume. To be implemented on May 11 at 1500Z.

RFC #900 – GFS v12.0.7 - Per NCDC's request, restore the gdas\_gempak\_ncdc job to recreate GDAS gempak files to be sent to NCDC. These files have been missing since the most recent GFS upgrade. To be implemented on May 12 at 1200Z.

RFC #901 – rdhpcs v2.1.1 – Per a request from EMC/GCWMB, transfer all gdas1.tCCz.sf0x files (x=0-9) from WCOSS to Zeus. To be implemented on May 12 at 1200Z.

RFC #902 – Obsproc\_satingest v2.5.1 - Add another run of the aerosol ingest job at 0935Z and modify the order so the hms hysplit file is pulled first. This is in response to recent smoke job failures due to the tight window between data retrieval and data processing. To be implemented on May 12 at 1200Z.

RFC #903 – WCOSS Dataflow v1.62.0 – Modify DBNet on WCOSS to begin saving Tropical Cyclone bulletins based on the storm instead of one general bulletin. This change was requested by EMC to support an upcoming upgrade of the Hurricane Weather Research Forecast (HWRF) model. To be implemented on May 12 at 1200Z.

RFC #904 – Remount the http web interface for Nomads and ftpprd using the phase 2 mounts. To be implemented on May 12 at 1200Z.

RFC #905 – Deploy the CPC database to the operational PostgreSQL server. To be implemented on May 12 at 1200Z.

RFC #906 – WCOSS Dataflow v1.62.1, NCOSRV Dataflow v2.6.4 - Modify DBNet on WCOSS and NCOSRV to send additional GMOS data to the Compute Farm for WPC's WCOSS bastion host transition. To be implemented on May 12 at 1200Z.

RFC #907 – Split the WPC Archive rsync to the WOC into its own sync process, to allow the non-operational http content rsync to finish faster. This optimizes content rsyncs, as opposed to just raising thresholds in Big Brother. To be implemented on May 12 at 1300Z.

RFC #909 - LSF v9.1.2 – Implement a change to the LSF project code check so that only the nwprod account may use the “OPS” project code, and remove most of the “MTN” project codes (non-EMC “MTN” codes will remain as is). To be implemented on May 12 at 1400Z.

RFC #910 – Replace and clean up SM fiber from NCOCR2 3/3 to fiber box MDF-R5/ICS SM 9/10. This affects one CL circuit to Orlando. To be implemented on May 12 at 1400Z.

RFC #911 - Install an automated functional testing tool on MRMS operational systems A and B. The tool will run once an hour. To be implemented on May 12 at 1500Z.

RFC #912 – Allow the Univ. of Illinois access to Conduit3, in order to allow testing of the .25 degree GFS data before that data goes live on CONDUIT in July. This change is temporary and will be rolled back after the July go live date. To be implemented on May 12 at 1630Z.

RFC #913 – Migrate Conduit from Application Control Engine (ACE) to Citrix Load Balancer. To be implemented on May 13 at 1400Z.

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