

March 6, 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 #701 – Change to allow the phase-1 IPD hardware to use some of the phase-2 IPD network in order to provide relief to phase-1, since phase-1 IDP internal network is saturated. Implemented on Mar. 2 around 1900Z.

RFC #702 - Modify two Dataflow scripts that check if a node is a prod node or a dev node before running each cron job. Current scripts indirectly result in the systems sending out numerous emails to a Dataflow email address. Implemented on Mar. 3 around 1500Z.

RFC #703 - Deploy nowCOAST's QA Website to a website accessible only to the nowCOAST development team. [Implemented on Mar. 4 around 1400Z.](#)

RFC #704 – MADIS v2.0.0 - MADIS processing currently runs LDM in verbose mode. This causes excessive logging in both the LDM logfile and in the system log files. Error messages from rsyslogd indicate this overlogging is affecting the LDM service on MADIS processing by disrupting one or more LDM feetypes from pushing data downstream to MADIS distribution. This RFC is to disable verbosity in LDM's logging level to determine if this is the root cause for LDM feetypes failing on MADIS processing. Implemented on Mar. 4 around 1445Z.

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The following will be implemented the week of March 9, 2015:

RFC #705 – NCOSRV Dataflow v2.5.2 - Modify the NCOSRV scripts that send the TOC "I'm alive" system messages. To be implemented on Mar. 9 at 1200Z.

RFC #706 – Provide access to a GFDL server for a GFDL visiting scientist. To be implemented on Mar. 9 at 1300Z.

RFC #707 – WCOSS Dataflow v1.54.0 - The DBNet mirror software will be modified to begin sending Fleet Numerical Meteorology and Oceanography Center (FNMOC) Ensemble datasets via the mirror transfer process instead of the WCOSS FNMOC processing job. This change will make the raw FNMOC

Ensemble GRIDS available on the NCEP FTP server over an hour earlier than they are currently. To be implemented on Mar. 9 at 1300Z.

RFC #708 – NCOSRV Dataflow v2.5.3 - The DBNet software on ncosrv is being modified to allow the NCWCP local NCEP Centers to send GRIB-type datasets via the nSBN (Satellite Broadcast Network) data feed to the three local AWIPS-II systems. To be implemented on Mar. 9 at 1300Z.

RFC #709 – EnKF v2.0.2 - The T254 F03 and F09 EnKF sigma forecast files are being generated for use specifically in the operational NDAS. To be implemented on Mar. 10 at 1130Z.

RFC #710 – prod\_filemanager v1.3.1 – Update cleanup for verification data and add cleanup for parallel ETSS and nawips/gpspw data. To be implemented on Mar. 10 at 1130Z.

RFC #711 – gpspw v1.0.0 - This is the initial implementation of a quasi-prod job for OPC and WPC that dumps GPS integrated precipitable water data and created gempak output. Implementation is on WCOSS Phase 2. To be implemented on Mar. 10 at 1200Z.

RFC #712 - GFS v12.0.5 - Two sets of gfs\_awips jobs will be added into the GFS family. The new jobs will generate GFS AWIPS global lat/long 1p0 degree grid files and 20km grid files for the CONUS, Alaska, Puerto Rico, and Pacific Region. To be implemented on Mar. 10 at 1200Z.

RFC #713 – WCOSS Dataflow v1.56.0 - The DBNet software on WCOSS is being modified to begin disseminating the parallel version of the ExtraTropical Storm Surge model (ETSS). To be implemented on Mar. 10 at 1300Z.

RFC #714 – UKMET v2.0.1 – Updating gempak scripts to generate HiRes meta files for the UKMET model. To be implemented on Mar. 10 at 1300Z.

RFC #715 – transfer\_WCOSS v1.0.2 – Update the parameter list for the GEFS 1800Z run to transfer the previous day's data and update the WCOSS mirror to transfer /com2 output job logfiles to the backup WCOSS machine. To be implemented on Mar. 10 at 1300Z.

RFC #716 - Install the SSL certificate onto the VPN server. This will make the VPN server not show the "untrusted" banner message when users connect to it via VPN client. To be implemented on Mar. 10 at 1400Z.

RFC #717 – NCOSRV Dataflow v2.5.4 - Modify the DBNet tables on NCOSRV to begin pulling in SREF calibrated thunder GEMPAK grids from SPC. This request is from OPC is support of the bastion hosts transition. To be implemented on Mar. 10 at 1500Z.

RFC #718 – WCOSS Dataflow v1.57.0 - Modify the tables on WCOSS to stop sending the GFS U- and V-wind master grib2 file to the NCEP ftp server. This file was turned back on after the upgrade because the Coast Guard was using it. They have since transitioned off of it. To be implemented on Mar. 11 at 1200Z.

RFC #719 – Obsproc\_satingest v2.5.0 - Several satellite ingest scripts are being modified to pull data from NESDIS's DDS server instead of satepsdist1e. Satepsdist1e will no longer have 24/7 support after Mar. 11, 2015. To be implemented on Mar. 11 at 1200Z.

RFC #720 – NCOSRV Dataflow v2.3.0 - NESDIS is changing the operational data server from which NCEP receives satellite images. Dataflow will modify the operational spider data feeds on NCOSRV by switching from the depreciated NESDIS servers to the new NESDIS servers. There is an expected outage of 15 minutes during this period, but no expected product loss. To be implemented on Mar. 11 at 1330Z.

RFC #721 – Allow some NSOF and TOC routers to access ESPC for the [www.natice.noaa.gov](http://www.natice.noaa.gov) website, and allow AWC to access the NESDIS GEOdist servers. Planned for March 11 at 1500Z.

RFC #722 – WCOSS Dataflow v1.58.0 - Modify the DBNET tables on WCOSS to setup a new dataflow to SWPC Alternate Process Site (APS) in support of their backup capabilities. This has surfaced due to bastion host rules coming into place. To be implemented on Mar. 11 at 1500Z.

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

4. The 30-day evaluation of the upcoming ExtraTropical Storm Surge (ETSS) upgrade is expected to begin the week of March 9. Implementation is expected to occur in late April 2015.