October 9, 2014

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 #423: Deploy EMC Websites to IDP Web Farm - Deployed the EMC websites LDAS and CFS to the NCO web infrastructure and allowed access to the site content through EMCRZDM. Implemented at 1530Z on October 8.

RFC #424:  NOMADS HRRR Variable Fix – Modify the NOMADS HRRR scripts to update the variables available for users to download To be implemented at 1200Z on October 10.

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The following will be implemented on October 14, 2014:

RFC #425: Update the AFOSPLOT Job to Point to New Obsproc Files -  Around 1200Z, update the AFPLT job to point to an updated version of prepobs_prepdata (implemented this summer in vertical structure as part of the OBSPROC implementation) to avoid future job failures due to array boundaries being exceeded.

RFC #426: IDP MADIS - Around 1300Z, modify IDP MADIS processing nodes to send data into IDP MADIS distribution LDM servers.

RFC #427:  Install DAMP Development Environment - Around 1300Z, install a Drupal-Apache-MySQL-PHP development environment on web developer team Windows desktops.

RFC #428: Allow VLab Rsync Over SSH to an NWS Server – Allow access from one of the IDP VLab Virtual Machines to a collaborative NWS server to  help migration of VLab Development Services from the current hosting platform to the IDP.

RFC #429:  Open Route for CADAS Team – Give the CADAS team access to their new NetApp shared backup space.

RFC #430: MADIS SIB Web Server – Around 1400Z, update the SIB MADIS website configuration to mount the snow data share and install the NetCDF package.

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The following will be implemented on October 15, 2014:

RFC #432:  Wave Multi1/Multi2 Parallel – Around 1200Z, modify DBNet software on WCOSS and NCOSRV to handle the parallel version of the Global Wave Model (multi1) and Hurricane Wave Model (multi2).

RFC #433:  Use IDP MRMS Instead of NSSL – Around 1200Z, modify the LDM processes on WCOSS and NCOSRV to retrieve Multi-Radar Multi-Sensor (MRMS) data from the NOAA IDP instead of NSSL.

RFC #434: ETSS V1.5.4 - Around 1200Z, implement an upgrade of the ExtraTropical Storm Surge model, which includes a switch to using the 0.5 degree GRIB2 GFS winds; creation of outputs on the 2.5 km NDFD CONUS and 3 km NDFD Alaska grids, and correction of a mask which used Gulf of Alaska guidance instead of Bering Sea guidance for the south Bering Sea just north of the Aleutian islands.

RFC #435:  VLab Development - Around 1300Z, grant Virtual Laboratory access to collaborators.

RFC #436: New RFC Date/Time Format – Around 1330Z, modify the NCO RFC form to use text  boxes for implementation start and end times instead of the AM/PM time option provided by Google Forms.

RFC #437: WCOSS: Add RHEL cmake RPM – Around 1500Z, install cmake, an open-source system to manage the build process, on WCOSS.

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The following will be implemented on October 16, 2014:

RFC #438: Migrate IDP GIS Services to Production Tier – Around 1300Z, install initial publishing of services from QA tier to production tier to meet IOC requirements of IDP GIS Enterprise Project.

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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.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