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Service Change Notice 17-64
National Weather Service Headquarters Silver Spring MD
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To: Subscribers:
 -NOAA Weather Wire Service
 -Emergency Managers Weather Information Network
 -NOAAPORT
 Other NWS Partners, Users and Employees

From: Dave Myrick
 NWS Office of Science and Technology Integration

Subject: Upgrade of 2.5 km Gridded Model Output Statistics
 Guidance over the CONUS to operational status on or
 about July 18, 2017.

On or about July 18, 2017, The NWS Meteorological Development Laboratory (MDL) will upgrade the Global Forecast System (GFS)-based Gridded Model Output Statistics (MOS) guidance at 2.5 km resolution over the Continental U.S. (CONUS) from experimental to operational status, replacing the operational 5 km CONUS guidance.

On November 15, 2012, MDL began disseminating experimental 2.5 km Gridded MOS guidance over the CONUS, with the intention of replacing the operational 5 km products at some future date once all users and systems are able to use the higher resolution guidance. These changes were announced in a Public Information Statement issued on October 13, 2011, and in Technical Implementation Notice 12-09. Public Information Statement 17-19 was issued on April 27, 2017, requesting comments on the change. No comments were received. These notices can be viewed at the following links:

http://www.nws.noaa.gov/os/notification/pns11_2.5km.txt
http://www.nws.noaa.gov/os/notification/tin12-09gmos-conus_aaa.txt
http://www.nws.noaa.gov/os/notification/pns17-19disc5km_gmos.htm

MDL will upgrade the 2.5 km CONUS guidance from experimental to operational status on or about July 18, 2017. At that time, the 5 km GRIB2 products will no longer be sent across the Satellite Broadcast Network (SBN) or NOAAPORT, and will be replaced with the 2.5 km products in the operational (ST.opnl) directory of the National Digital Guidance Database (NDGD) on the NWS ftp server (TGFTP).

Current location of 2.5 km CONUS Gridded MOS products on TGFTP:
<ftp://tgftp.nws.noaa.gov/SL.us008001/ST.expr/DF.gr2/DC.ndgd/GT.mosgfs/AR.conus/>

Future location of 2.5 km CONUS Gridded MOS products on TGFTP after transition to operational status:
<ftp://tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndgd/GT.mosgfs/AR.conus/>

A list of 5 km products and associated headers that will be removed from the SBN, NOAAPORT and NDGD is provided in Table 1 below. A list of 2.5 km products and associated headers that will be moved from the experimental directory to the operational directory in NDGD is provided in Table 2 below.

Table 1: WMO communication identifiers for 5 km Gridded MOS products that will be removed from the SBN, NOAAPORT, and NDGD (below are representations of the WMO headers)

WMO HEADING	ELEMENT NAME
LAUxxx KWBQ	Sky Cover
LBUxxx KWBQ	Wind Direction
LCUxxx KWBQ	Wind Speed
LDUxxx KWBQ	12-h Prob. of Precipitation
LEUxxx KWBQ	2-m Temperature
LFUxxx KWBQ	2-m Dewpoint Temperature
LGUxxx KWBQ	Daytime Maximum Temperature
LHUxxx KWBQ	Nighttime Minimum Temperature
LIUxxx KWBQ	6-h Quant. Precip. Amount
LJUxxx KWBQ	6-h Prob. of a Thunderstorm
LRUxxx KWBQ	Relative Humidity
LSUxxx KWBQ	24-h Snowfall Amount
LUUxxx KWBQ	6-h Prob. of Precipitation
LVUxxx KWBQ	12-h Quant. Precip. Amount
LWUxxx KWBQ	Wind Gusts
LXUxxx KWBQ	12-h Prob. of a Thunderstorm
LYUxxx KWBQ	3-h Prob. of a Thunderstorm

Table 2: WMO superheaders for 2.5 km Gridded MOS products that will be moved from the experimental directory to the operational directory on TGFTP (Below are representations of the superheaders, where ii=98 for days 1-3, ii=97 for days 4-7, and ii=96 for days 8 and beyond.)

SUPERHEADER	ELEMENT NAME
MAUZii KWBQ	Cond. Prob. Freezing Precip.
MBUZii KWBQ	Cond. Prob. Frozen Precip.
MCUZii KWBQ	Cond. Prob. Liquid Precip.
YAUZii KWBQ	Sky Cover
YBUZii KWBQ	Wind Direction
YCUZii KWBQ	Wind Speed
YDUZii KWBQ	12-h Prob. of Precipitation
YEUZii KWBQ	2-m Temperature
YFUZii KWBQ	2-m Dewpoint Temperature
YGUZii KWBQ	Daytime Maximum Temperature

YHUZii KWBQ	Nighttime Minimum Temperature
YIUZii KWBQ	6-h Quant. Precip. Amount
YJUZii KWBQ	6-h Prob. of a Thunderstorm
YLUZii KWBQ	Precip. Type Best Category
YMUZii KWBQ	Precip. Potential Index
YNUZii KWBQ	Prob. Precip. Occurrence
YRUZii KWBQ	Relative Humidity
YSUZii KWBQ	24-h Snowfall Amount
YUUZii KWBQ	6-h Prob. of Precipitation
YVUZii KWBQ	12-h Quant. Precip. Amount
YWUZii KWBQ	Wind Gusts
YXUZii KWBQ	12-h Prob. of a Thunderstorm
YYUZii KWBQ	3-h Prob. of a Thunderstorm
YZUZii KWBQ	Predominant Weather

For questions or comments regarding this change please contact:

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NWS National Service Change Notices are online at:

<http://www.weather.gov/os/notif.htm>

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