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PNSWSH

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From: Jeff Craven
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Subject: Soliciting Public Comments on the Proposed Upgrade of
 2.5 km Gridded Model Output Statistics Guidance over
 the CONUS to operational status through May 31, 2017.

The Meteorological Development Laboratory (MDL) is proposing to 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. The NWS is seeking comments on this proposed change through May 31, 2017.

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. 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

MDL is proposing to upgrade the 2.5 km CONUS guidance from experimental to operational status on or about mid-July 2017. At that time, the 5 km GRIB2 products will no longer be sent across the Satellite Broadcast Network (SBN) and 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 are proposed for removal 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 are proposed for removal 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

The NWS will evaluate all comments to determine whether to proceed with this change.

Send comments on this proposal to:

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<http://www.nws.noaa.gov/om/notif.htm>

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