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PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 05-43
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
730 AM EST WED JUNE 8 2005

TO: FAMILY OF SERVICES /FOS/ SUBSCRIBERS... NOAA
WEATHER WIRE SERVICE /NWWS/ SUBSCRIBERS...
EMERGENCY MANAGERS WEATHER INFORMATION NETWORK
/EMWIN/ SUBSCRIBERS... NOAAPORT SUBSCRIBERS..
OTHER NATIONAL WEATHER SERVICE /NWS/ CUSTOMERS
AND PARTNERS... NWS EMPLOYEES

FROM: PAUL HIRSCHBERG
CHIEF... SCIENCE PLANS BRANCH
OFFICE OF SCIENCE AND TECHNOLOGY /OST/

SUBJECT: ADDITION OF VISIBILITY AND OBSTRUCTION TO VISION
GUIDANCE OF ETA MOS PRODUCTS: EFFECTIVE
AUGUST 30 2005

ATTENTION USERS OF THE MODEL OUTPUT STATISTICS /MOS/
GUIDANCE: ON TUESDAY... AUGUST 30 2005... WITH THE 1200
UNIVERSAL COORDINATED TIME /UTC/ MODEL CYCLE... NWS WILL ADD
VISIBILITY AND OBSTRUCTION TO VISION GUIDANCE TO THE ETA MOS
SYSTEM. THE TEXT PRODUCTS WILL CONTAIN CATEGORICAL GUIDANCE
AS OUTLINED BELOW:

VISIBILITY CATEGORICAL DEFINITIONS:

- 1 = < ½ MI
- 2 = ½ MI TO < 1 MI
- 3 = 1 TO < 2 MI
- 4 = 2 TO < 3 MI
- 5 = 3 TO 5 MI
- 6 = 6 MI
- 7 = > 6 MI

OBSTRUCTION TO VISION CATEGORICAL DEFINITIONS:

- N = NONE OF THE FOLLOWING
- HZ = HAZE... SMOKE... DUST
- BR = MIST (FOG WITH VISIBILITY >= 5/8 MI)
- FG = FOG OR GROUND FOG (VISIBILITY < 5/8 MI)
- BL = BLOWING DUST... SAND... OR SNOW

THE BINARY UNIVERSAL FORM FOR THE REPRESENTATION OF
METEOROLOGICAL DATA /BUFR/ PRODUCTS WILL CONTAIN
PROBABILISTIC AND CATEGORICAL GUIDANCE. THE COMMUNICATION
IDENTIFIERS FOR ALL ETA MOS PRODUCTS ARE SHOWN IN TABLE 1.

TABLE 1. COMMUNICATION IDENTIFIERS FOR THE ETA-BASED MOS
TEXT AND BUFR PRODUCTS TO WHICH VISIBILITY AND OBSTRUCTION

TO VISION GUIDANCE WILL BE ADDED.

WMO HEADING AWIPS ID

TEXT PRODUCTS

FOPA40 KWNO	METPA0
FOUS44 KWNO	METNE1
FOUS45 KWNO	METSE1
FOUS46 KWNO	METNC1
FOUS47 KWNO	METSC1
FOUS48 KWNO	METRM1
FOUS49 KWNO	METWC1
FOAK47 KWNO	METAJK
FOAK48 KWNO	METAFC
FOAK49 KWNO	METAFG

BUFR PRODUCTS

JSML10 KWNO
JSML11 KWNO
JSML12 KWNO
JSML13 KWNO
JSML14 KWNO
JSML15 KWNO
JSML16 KWNO
JSML17 KWNO

A TECHNICAL PROCEDURES BULLETIN DESCRIBING THE ETA MOS TEXT PRODUCTS INCLUDING A SAMPLE MESSAGE CONTAINING VISIBILITY AND OBSTRUCTION TO VISION GUIDANCE IS AVAILABLE AT THE URL LISTED BELOW /USE LOWER CASE LETTERS/...

[HTTP://WWW.NWS.NOAA.GOV/MDL/SYNOP/TPB/MDLTPB05-06.PDF](http://www.nws.noaa.gov/mdl/synop/tpb/mdltpb05-06.pdf)

A WEB PAGE OUTLINING THE ETA-BASED BUFR PRODUCTS CAN BE FOUND ONLINE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.NWS.NOAA.GOV/MDL/SYNOP/BUFR.HTML](http://www.nws.noaa.gov/mdl/synop/bufr.html)

IF YOU HAVE ANY QUESTIONS ABOUT THESE PRODUCTS OR THE MOS GUIDANCE... PLEASE CONTACT:

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LINKS TO THE MOS PRODUCTS... ALONG WITH DESCRIPTIONS... CAN BE FOUND AT THE URL LISTED BELOW /USE LOWER CASE LETTERS/...

[HTTP://WWW.NWS.NOAA.GOV/MDL/SYNOP/PRODUCTS.SHTML](http://www.nws.noaa.gov/mdl/synop/products.shtml)

THIS AND OTHER NWS TECHNICAL IMPLEMENTATION NOTICES ARE

AVAILABLE AT THE URL LISTED BELOW /USE LOWER CASE
LETTERS/...

[HTTP://WWW.NWS.NOAA.GOV/OM/NOTIF.HTM](http://www.nws.noaa.gov/om/notif.htm)

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