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PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 05-43...AMENDED
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
125 PM EDT WED AUG 24 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: AMENDED: ADDITION OF VISIBILITY AND OBSTRUCTION TO
VISION GUIDANCE TO ETA MOS PRODUCTS: IMPLEMENTATION
DATE POSTPONED

REFER TO: TECHNICAL IMPLEMENTATION NOTICE /TIN/ 05-43
TRANSMITTED ON JUNE 8 2005

AMENDED TO POSTPONE UNTIL FURTHER NOTICE AUGUST 30 2005
IMPLEMENTATION OF ETA MOS VISIBILITY AND OBSTRUCTION TO VISION
GUIDANCE. A FOLLOW-UP TIN WILL BE ISSUED WHEN A NEW
IMPLEMENTATION DATE IS SET.

ATTENTION USERS OF THE MODEL OUTPUT STATISTICS /MOS/ GUIDANCE:
THE NWS WILL ADD VISIBILITY AND OBSTRUCTION TO VISION GUIDANCE TO
THE ETA MOS SYSTEM AT A DATE TO BE ANNOUNCED IN A FOLLOW-ON TIN.
THE TEXT PRODUCTS WILL CONTAIN CATEGORICAL GUIDANCE AS OUTLINED
BELOW.

VISIBILITY CATEGORICAL DEFINITIONS:

- 1 = < 1/2 MI
- 2 = 1/2 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:

PAUL DALLAVALLE
METEOROLOGICAL DEVELOPMENT LABORATORY
SILVER SPRING MARYLAND
PHONE: 301-713-0023 EXT. 135

E-MAIL: PAUL.DALLAVALLE@NOAA.GOV

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
ON THE INTERNET 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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