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

FROM:     FRED TOEPFER
          ACTING CHAIR...NWS COMMITTEE ON ANALYSIS AND FORECAST
          TECHNIQUES IMPLEMENTATION /CAFTI/

SUBJECT: NEW WEATHER ELEMENTS TO BE ADDED TO THE AVIATION MODEL MOS
          GUIDANCE PACKAGE...EFFECTIVE NOVEMBER 27 2001

NOTE: THE FOLLOWING CHANGES HAVE NO IMPACT ON NOAA WEATHER WIRE SERVICE
          SUBSCRIBERS.

EFFECTIVE WITH THE 1800 COORDINATED UNIVERSAL TIME /UTC/ CYCLE ON NOVEMBER
          27 2001...NEW WEATHER ELEMENT GUIDANCE WILL BE ADDED TO THE 0600/1800 UTC
          AVIATION MODEL /AVN/ MODEL OUTPUT STATISTICS /MOS/ GUIDANCE PACKAGES.
          THESE PACKAGES...WHICH WERE FIRST IMPLEMENTED IN OCTOBER 2001...WILL
          CONTAIN GUIDANCE FOR:

          MAXIMUM/MINIMUM TEMPERATURE
          2-M TEMPERATURE AND DEW POINT
          TOTAL SKY COVER
          WIND DIRECTION AND SPEED
          PROBABILITY OF PRECIPITATION /POP/
          PROBABILITY OF THUNDERSTORMS
          CONDITIONAL PROBABILITY OF SEVERE WEATHER
          CONDITIONAL PROBABILITY OF PRECIPITATION TYPES /FREEZING RAIN OR SNOW/
          PRECIPITATION TYPE
          CEILING HEIGHT

THE ALPHANUMERIC TEXT MESSAGES ARE AVAILABLE ON THE ADVANCED WEATHER
INTERACTIVE PROCESSING SYSTEMS /AWIPS/ UNDER THE MAV PRODUCT IDENTIFIER AND
ON THE SATELLITE BROADCAST NETWORK /SBN/ AND THE FAMILY OF SERVICES WITH
THE WORLD METEOROLOGICAL ORGANIZATION /WMO/ HEADERS: FOPA20 KWNO...FOUS21-26
KWNO...AND FOAK37-39 KWNO. NOTE THAT THESE ARE THE SAME PRODUCT
IDENTIFIERS USED FOR THE 0000/1200 UTC AVN MOS PACKAGES. THE 0600/1800
UTC GUIDANCE IS AVAILABLE FOR THE SAME SITES AND IN THE SAME FORMAT AS THE
CURRENT 0000/1200 UTC PACKAGES. PRODUCTS CONTAINING ALL OF THE AVN MOS
GUIDANCE IN BINARY UNIVERSAL FORM FOR THE REPRESENTATION OF METEOROLOGICAL
DATA BUFR ARE ALSO AVAILABLE. FOR THE WMO HEADERS OF THE BUFR
PRODUCTS...PLEASE SEE /USE LOWER CASE LETTERS/:

HTTP://WWW.NWS.NOAA.GOV/TDL/SYNOP/STADRG.HTM
GUIDANCE FOR PRECIPITATION AMOUNT...VISIBILITY...AND OBSTRUCTION TO VISION WILL BE ADDED TO THE MESSAGES DURING THE SPRING OF 2002.

TECHNICAL PROCEDURES BULLETIN NUMBER 481 DESCRIBES THE 0600/1800 UTC AVN MOS MESSAGES AND IS AVAILABLE AT THE FOLLOWING WEB SITE /USE LOWER CASE/: HTTP://WWW.NWS.NOAA.GOV/OM/TPB/INDDRAFT.HTM

THE 0600/1800 UTC PACKAGES ARE ISSUED AT APPROXIMATELY 1030/2230 UTC. BECAUSE THESE GUIDANCE PACKAGES WILL UPDATE THE 0000/1200 UTC PACKAGES...USERS MAY WANT TO RETAIN PREVIOUS 0000/1200 UTC PRODUCTS TO ENSURE A COMPLETE SET OF WEATHER ELEMENT GUIDANCE.

IF YOU HAVE ANY QUESTIONS ABOUT THIS CHANGE...PLEASE CONTACT: PAUL DALLAVALLE AT THE METEOROLOGICAL DEVELOPMENT LABORATORY IN SILVER SPRING MARYLAND AT 301-713-1065 X 174...OR VIA E-MAIL: PAUL.DALLAVALLE@NOAA.GOV.

NATIONAL TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT /USE LOWER CASE/: HTTPS://WWW.WEATHER.GOV/NOTIFICATION/ARCHIVE

END
NNNN