

NOUS41 KWBC 171955
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 05-47
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
355 PM EDT FRI JUN 17 2005

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

FROM: MIKE CAMPBELL
CHIEF...OBSERVING SERVICES DIVISION
OFFICE OF CLIMATE WATER WEATHER SERVICES

SUBJECT: TERMINATION OF OPERATION ASSESSMENT TEST /OAT/
RADIOSONDE REPLACEMENT SYSTEM /RRS/ AND FLIGHT
OF RECORD: EFFECTIVE AUGUST 18 2005

EFFECTIVE AUGUST 18 2005... NWS WILL TERMINATE UPPER AIR
OBSERVATIONS USING THE RADIO DIRECTION FINDING RADIOSONDES AND
TRACKING SYSTEM AT CHANHASSEN... MINNESOTA. UPPER AIR OPERATIONS
WILL BE RESTORED USING THE RADIOSONDE REPLACEMENT SYSTEM WITH NEW
GLOBAL POSITIONING SYSTEM /GPS/ RADIOSONDES. THE CHANHASSEN SITE
WILL BE OUT OF SERVICE UP TO TWO WEEKS. WHEN RESTORED SOME PARTS
OF THE UPPER AIR CODED MESSAGES WILL BE SIGNIFICANTLY LONGER.

THE EFFECTIVE DATE OF THIS CHANGE IS SOONER THAN SPECIFIED BY NWS
INSTRUCTION 10-1805. CHANGE NOTICE TIN05-34 ISSUED MAY 2 PROVIDES
THE SPECIFIC OF THIS CHANGE. AS A CONSEQUENCE OF THE CARIBOU
TEST... NWS HAS BEEN COORDINATING WITH PARTNERS OVER THE LENGTH
OF THESE MESSAGES THAT ARE LARGER THAN ORIGINALLY ANTICIPATED.
THE FORMAT HAS NOT CHANGED. A DELAY OF SCHEDULE WOULD BE COST
PROHIBITIVE.

COMMENCING NO SOONER THAN THE 0000 COORDINATED UNIVERSAL TIME
/UTC/ ON OR ABOUT AUGUST 30 2005... WITH THE IMPLEMENTATION OF
THE RADIOSONDE REPLACEMENT SYSTEM AT CHANHASSEN... THERE WILL BE
A CHANGE IN THE LENGTH OF CODED MESSAGES. THE WORLD METEOROLOGICAL
ORGANIZATION /WMO/ NUMBER FOR CHANHASSEN IS 72649. THE FORMAT OF
THE MESSAGES WILL BE THE SAME WMO FORMAT FOR CODED UPPER AIR
MESSAGES IN USE WITH THE MICROART LEGACY SYSTEM. THE NUMBER OF
LEVELS IN THE CODED MESSAGES WILL BE TWO TO THREE TIMES GREATER
FOR THE TTBB AND TTDD. THE NUMBER OF LEVELS IN THE TTAA...
TTCC... PPBB... AND PPDD PARTS WILL BE RELATIVELY UNCHANGED.
THESE CHANGES REFLECT UPDATED CODING PRACTICES AND HIGHER
RESOLUTION LEVEL SELECTION CRITERIA. THE MAXIMUM SIZE LIMITS OF
THE PARTS OF THE CODED MESSAGES FOLLOW:

TTAA: 15 LEVELS
TTCC: 10 LEVELS

TTBB: 135 LEVELS
TTDD: 40 LEVELS
PPBB: 40 LEVELS
PPDD: 40 LEVELS

IN ADDITION THE 31313 MESSAGE INDICATOR ASSOCIATED WITH THE VARIOUS PARTS OF THE MESSAGE WILL BE INCLUDED WITH EACH PART OF THE THERMODYNAMIC MESSAGE PARTS. FOR ADDITIONAL INFORMATION ON THE MESSAGE REQUIREMENTS... REFERENCE WMO 306... MANUAL ON CODES... INTERNATIONAL CODES... VOLUME 1.1 PART A-ALPHANUMERIC CODES... AND WMO 306... MANUAL ON CODES... REGIONAL CODES AND NATIONAL CODING PRACTICES... VOLUME II. USERS CAN FIND INFORMATION ON THE LEVELS SELECTION CRITERIA USED IN NWS CODING SOFTWARE AT THE FOLLOWING SITE UNDER THE NWS RADIOSONDE REPLACEMENT SYSTEM /USE LOWERCASE LETTERS/.

[HTTP://WWW.UA.NWS.NOAA.GOV](http://www.ua.nws.noaa.gov)

IF YOU HAVE QUESTIONS OR FEEDBACK... CONTACT:

CARL BOWER
NATIONAL WEATHER SERVICE
W/OS7X2
1325 EAST WEST HIGHWAY
SILVER SPRING MARYLAND 20910
PHONE: 301-713-0722 EXT. 145
E-MAIL: CARL.BOWER@NOAA.GOV

THIS AND OTHER NWS TECHNICAL IMPLEMENTATION NOTICES ARE AVAILABLE ONLINE AT /USE LOWER CASE LETTERS/:

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

\$\$
NNNN