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PNSWSH

SERVICE CHANGE NOTICE 07-23
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
345 PM EDT THU MAY 3 2007

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

FROM: ELI JACKS
CHIEF...FIRE AND PUBLIC WEATHER SERVICES BRANCH

SUBJECT: NATIONWIDE IMPLEMENTATION OF NEW TRACKING LINE ON
SHORT DURATION WARNINGS AND STATEMENTS BEGINNING
JULY 16 2007

BEGINNING JULY 16 2007...NWS WEATHER FORECAST OFFICES /WFOS/
WILL BEGIN INSTALLING SOFTWARE THAT WILL APPEND A TRACKING LINE
TO THE FOLLOWING SHORT DURATION WARNINGS AND STATEMENTS:

TORNADO WARNINGS /TOR/
SEVERE THUNDERSTORM WARNINGS /SVR/
SPECIAL MARINE WARNINGS /SMW/
CONVECTIVE FLASH FLOOD WARNINGS /FFW/
EXTREME WIND WARNINGS /EWW/
SEVERE WEATHER STATEMENTS /SVS/
CONVECTIVE FLASH FLOOD STATEMENTS /FFS/
MARINE WEATHER STATEMENTS /MWS/
AREAL FLOOD WARNINGS /FLW/
AREAL FLOOD ADVISORIES AND AREAL FLOOD STATEMENTS /FLS/

THE TRACKING LINE IS ASSOCIATED WITH INSTALLATION OF ADVANCED
WEATHER INTERACTIVE PROCESSING SYSTEM /AWIPS/ OPERATIONAL BUILD
/OB/ 8.1 SOFTWARE ON AN OFFICE BY OFFICE BASIS. WFOS WILL BEGIN
INSTALLING AWIPS SOFTWARE OB 8.1 ON OR ABOUT JULY 16 2007. FULL
DEPLOYMENT IS SCHEDULED TO BE COMPLETED BY SEPTEMBER 30 2007.

THE TRACKING LINE GIVES THE LOCATION /LOC/ AND MOVEMENT /MOT/ OF
THE EVENT BEING TRACKED. IT COULD BE THE ESTIMATED LOCATION AND
MOVEMENT OF:

- A TORNADO
- THE LEADING EDGE OF A GUST FRONT
- THE LEADING EDGE OF A HAIL CORE
- OTHER EVENT

THE LOCATION COULD BE A POINT OR A LINE.

1. THE TRACKING LINE WILL FOLLOW THE LATITUDE/LONGITUDE LINE AT

THE BOTTOM OF THE PRODUCT.

2. THE TRACKING LINE WILL ALWAYS BEGIN WITH THE FOLLOWING 16 CHARACTER STRING: TIME...MOT...LOC

3. TIME...MOT...LOC WILL BE FOLLOWED BY

- A. A SINGLE SPACE
- B. A FOUR DIGIT COORDINATED UNIVERSAL TIME /UTC/ TIME FOLLOWED BY THE LETTER Z
- C. A SINGLE SPACE
- D. THREE DIGITS FOR DIRECTION OF MOVEMENT FOLLOWED BY DEG
- E. A SINGLE SPACE
- F. ONE OR TWO DIGITS FOR WIND SPEED IN KNOTS FOLLOWED BY KT
- G. A SINGLE SPACE
- H. ONE OR MORE LATITUDE/LONGITUDE COUPLETS.

4. IF THE SPEED IS LESS THAN 0.5 KNOTS...IT WILL BE ROUNDED DOWN TO ZERO /0/ KNOTS...BUT THERE COULD STILL BE A NON-ZERO DIRECTION.

AN EXAMPLE OF THE TRACKING LINE WITH PRECEDING TEXT FOLLOWS:

AT 425 PM MST...NATIONAL WEATHER SERVICE DOPPLER RADAR INDICATED A SEVERE THUNDERSTORM. THIS STORM WAS LOCATED 12 MILES SOUTHWEST OF AKRON...AND MOVING NORTHEAST AT 20 MPH.

THE SEVERE THUNDERSTORM WILL BE NEAR...AKRON AND 8 MILES WEST OF LATNER BY 500 PM MST

LAT...LON 4031 10316 4011 10303 3998 10346 4014 10356
TIME...MOT...LOC 2325Z 248DEG 18KT 4010 10340

THERE ARE NO CHANGES TO THE AWIPS IDENTIFIERS...WMO PRODUCT HEADINGS OR PRODUCT ISSUANCE TIMES.

THIS CHANGE WILL BE INCLUDED IN THE NEXT UPDATE TO NATIONAL WEATHER SERVICE INSTRUCTION /NWSI/ 10-511...WFO SEVERE WEATHER PRODUCTS SPECIFICATION.

IF YOU HAVE QUESTIONS...PLEASE CONTACT:

JOHN FERREE
NATIONAL WEATHER SERVICE
FIRE AND PUBLIC WEATHER SERVICES BRANCH
120 DAVID L. BOREN BLVD SUITE 2312
NORMAN OK 73072
PHONE: 405-325-2209

THIS NOTICE AND OTHER SERVICE CHANGE NOTICES CAN BE FOUND ONLINE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.WEATHER.GOV/OS/NOTIF.HTM](http://www.weather.gov/os/notif.htm)

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