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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 /NWS/ SUBSCRIBERS  
EMERGENCY MANAGERS WEATHER INFORMATION NETWORK /EMWIN/  
SUBSCRIBERS  
NOAAPORT SUBSCRIBERS  
OTHER NWS CUSTOMERS...PARTNERS AND 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.

THE TRACKING LINE WILL FOLLOW THE LATITUDE/LONGITUDE LINE AT THE BOTTOM OF  
THE PRODUCT.

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

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

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

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...WORLD METEOROLOGICAL  
ORGANIZATION /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  
NORMAN OKLAHOMA  
PHONE: 405-325-2209

NATIONAL SERVICE CHANGE NOTICES ARE ONLINE AT /USE LOWER CASE/:

[HTTPS://WWW.WEATHER.GOV/NOTIFICATION/ARCHIVE](https://www.weather.gov/notification/archive)

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