NOUS41 KWBC 181057
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 06-20
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
657 AM EDT TUE APR 18 2006

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

FROM: JOSEPH FACUNDO
            CHIEF...OBSERVING SYSTEMS BRANCH
            OFFICE OF OPERATIONAL SYSTEMS

SUBJECT: AUTOMATED SURFACE OBSERVING SYSTEM /ASOS/ COMMUNICATIONS TRANSFER
FROM NWS TO FEDERAL AVIATION ADMINISTRATION /FAA/ FOR CHICAGO-O/HARE
INTERNATIONAL AIRPORT: EFFECTIVE APRIL 13 2006

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

THIS IS THE LATEST MESSAGE IN A SERIES OF TECHNICAL IMPLEMENTATION NOTICES
/TINS/. THE LAST TIN ON THIS SUBJECT WAS TIN 06-19...TRANSMITTED APRIL 12
2006.

THIS MESSAGE LISTS THE EFFECTIVE DATE THE NWS ADVANCED WEATHER INTERACTIVE
PROCESSING SYSTEM /AWIPS/ TRANSMISSION PATH HAS BEEN DISCONNECTED AT
SPECIFIC ASOS LOCATIONS. ADDITIONAL MESSAGES WILL BE ISSUED WHEN THE
AWIPS TRANSMISSION PATH HAS BEEN DISCONNECTED AT SUCCEEDING LOCATIONS.

LONG-LINE TRANSMISSION OF OBSERVATIONS FROM A SELECT GROUP OF ASOS
LOCATIONS IS MOVING FROM NWS AWIPS NETWORK COMMUNICATIONS PATHWAY TO FAA
AUTOMATED WEATHER OBSERVING SYSTEM /AWOS/-ASOS DATA ACQUISITION SYSTEM
/ADAS/ NETWORK COMMUNICATIONS PATHWAY.

THIS TRANSITION...SCHEDULED THROUGH 2007...INVOLVES CONNECTION OF THESE
ASOSES TO THE FAA ADAS TRANSMISSION PATH FOLLOWED BY DISCONNECTION FROM
THE NWS AWIPS TRANSMISSION PATH. WHEN THE CHANGE OCCURS...SELECT
OBSERVATIONS FROM THESE ASOS LOCATIONS WILL BE TRANSMITTED LONG-LINE ONLY
THROUGH THE FAA ADAS NETWORK COMMUNICATIONS TRANSMISSION PATH.

ON APRIL 13 2006...THE FOLLOWING ASOS LOCATION TRANSITIONED NETWORK
COMMUNICATION PATHWAYS FROM NWS AWIPS TO FAA ADAS:

SID	LOCATION	STATE	NWS AWIPS TERMINATED
KORD	CHICAGO-O/HARE INTERNATIONAL AIRPORT	IL	04/13/06

WHEN NWS AWIPS TRANSMISSION PATH CONNECTION ENDS AT THESE
LOCATIONS...SELECT OBSERVATIONS FOR THESE LOCATIONS WILL BE TRANSMITTED

LONG-LINE FROM FAA TO NWS AND DISSEMINATED UNDER NEW WORLD METEOROLOGICAL
ORGANIZATION /WMO/ HEADINGS/COLLECTIVES...AND WILL NO LONGER BE AVAILABLE
UNDER FORMER WMO HEADINGS/COLLECTIVES.

THIS CHANGE WILL AFFECT THE FOLLOWING ASOS OBSERVATIONS: ASOS AVIATION
ROUTINE WEATHER REPORTS /METAR/...AVIATION SELECTED SPECIAL WEATHER
REPORTS /SPECI/...STANDARD HYDRO METEOROLOGICAL EXCHANGE FORMAT /SHEF/
PRECIPITATION CRITERIA...SHEF HOURLY ACCUMULATION MESSAGES...DAILY SUMMARY
MESSAGES /DSM/ AND MONTHLY SUMMARY MESSAGES /MSM/.

THE FOLLOWING ARE WMO BULLETIN HEADINGS/COLLECTIVES CHANGES FOR CHICAGO-
O/HARE/ INTERNATIONAL AIRPORT ILLINOIS:

METAR MESSAGES:

ASOS SID	WMO HEADER OLD	WMO COLLECTIVE OLD	WMO COLLECTIVE NEW
KORD	SAUS43 KLOT	SAUS80 KWBC	SAUS70 KWBC

SPECI MESSAGES:

ASOS SID	WMO HEADER OLD	WMO COLLECTIVE OLD	WMO COLLECTIVE NEW
KORD	SPUS43 KLOT	SPUS80 KWBC	SPUS70 KWBC

ASOS SHEF PRECIPITATION CRITERIA MESSAGE:

ASOS SID	WMO HEADER OLD	WMO HEADER NEW	FAA HUB
KORD	SRUS63 KLOT	SRUS27 KZAU	CHICAGO

ASOS SHEF HOURLY ROUTINE MESSAGE:

ASOS SID	WMO HEADER OLD	WMO HEADER NEW	FAA HUB
KORD	SRUS73 KLOT	SRUS27 KZAU	CHICAGO

ASOS DAILY SUMMARY MESSAGE:

ASOS SID	WMO HEADER OLD	WMO HEADER NEW	FAA HUB
KORD	CXUS43 KLOT	CDUS27 KZAU	CHICAGO

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ASOS MONTHLY SUMMARY MESSAGE:

ASOS    WMO HEADER      WMO HEADER      FAA HUB
SID     OLD             NEW
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KORD    CSUS43 KLOT     CSUS27 KZAU     CHICAGO
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USERS WITH AUTOMATIC DECODERS SHOULD REPROGRAM THEIR SYSTEMS NOW TO
RECOGNIZE THE NEW BULLETIN HEADINGS FOR THESE ASOS OBSERVATIONS.

PLEASE BE ADVISED THAT DELIVERY OF THESE REPORTS AND MESSAGES TO NWS
CUSTOMERS MAY BE DELAYED APPROXIMATELY FIVE MINUTES DUE TO INCREASED
COMMUNICATIONS HANDLING BETWEEN FAA AND NWS.

IF YOU HAVE ANY QUESTIONS ABOUT THESE CHANGES...PLEASE CONTACT:

DAVE MANNARANO
301-713-2093 X 103
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OR

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NATIONAL TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT /USE LOWER CASE/:

HTTPS://WWW.WEATHER.GOV/NOTIFICATION/ARCHIVE

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