

NOUS41 KWBC 241805  
PNSWSH

PUBLIC INFORMATION STATEMENT...TECHNICAL IMPLEMENTATION NOTICE 03-40  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
205 PM EDT WED SEP 24 2003

TO: FAMILY OF SERVICES /FOS/ SUBSCRIBERS  
NOAA WEATHER WIRE SERVICE /NWS/ 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

SUBJECT: ASOS COMMUNICATIONS TRANSFER FROM NATIONAL WEATHER SERVICE TO  
FEDERAL AVIATION ADMINISTRATION...EFFECTIVE SEPTEMBER 24 2003

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

THIS IS THE LATEST MESSAGE IN A SERIES ON THIS TRANSITION. THE LAST  
MESSAGE ON THIS TOPIC WAS [TECHNICAL IMPLEMENTATION NOTICE /TIN/ 03-  
32](#)...TRANSMITTED ON JULY 16 2003.

THE LONG-LINE TRANSMISSION OF OBSERVATIONS FROM 40 FEDERAL AVIATION  
ADMINISTRATION /FAA/ SERVICE LEVEL A/B AUTOMATED SURFACE OBSERVING SYSTEM  
/ASOS/ LOCATIONS IS CURRENTLY IN TRANSITION FROM THE NATIONAL WEATHER  
SERVICE /NWS/ ADVANCED WEATHER INTERACTIVE PROCESSING SYSTEM /AWIPS/  
NETWORK COMMUNICATIONS PATHWAY TO THE FAA AUTOMATED WEATHER OBSERVING  
SYSTEM /AWOS/-ASOS DATA ACQUISITION SYSTEM /ADAS/ NETWORK COMMUNICATIONS  
PATHWAY. TRANSITION OF THESE 40 SERVICE LEVEL A/B LOCATIONS...SCHEDULED  
THROUGH 2004...IS BEING DONE TO SUPPORT THE FAA/S INTEGRATED WEATHER  
INFORMATION SYSTEM /ITWS/ ACQUISITION OF ASOS ONE-MINUTE OBSERVATIONS.  
THIS TRANSITION INVOLVES CONNECTION OF THESE 40 ASOS SYSTEMS FROM NWS  
AWIPS TRANSMISSION PATH TO THE FAA/S ADAS TRANSMISSION PATH...FOLLOWED BY  
DISCONNECTION TO THE NWS AWIPS TRANSMISSION PATH. WHEN THE LATTER  
OCCURS...THE DATA FROM THESE ASOS LOCATIONS WILL BE TRANSMITTED LONG-LINE  
ONLY THROUGH THE FAA ADAS NETWORK COMMUNICATIONS TRANSMISSION PATH.

THIS MESSAGE IS TO INFORM YOU OF THE DATES WHEN THE NWS AWIPS TRANSMISSION  
PATH WILL BE DISCONNECTED AT THE NEXT LOCATIONS. ADDITIONAL MESSAGES WILL  
BE ISSUED WHEN AWIPS TRANSMISSION PATH IS DISCONNECTED AT SUCCEEDING  
LOCATIONS.

STATION ID /SID/	LOCATION	STATE	NWS AWIPS ENDS
KDCA	WASHINGTON DC-REAGAN NATIONAL	VA	9/24/03

WHEN THE NWS AWIPS TRANSMISSION PATH CONNECTION ENDS AT EACH LOCATION...ALL DATA FOR THESE LOCATIONS WILL BE TRANSMITTED LONG-LINE FROM FAA TO NWS AND DISSEMINATED UNDER THE NEW WORLD METEOROLOGICAL ORGANIZATION /WMO/ HEADINGS/COLLECTIVES...AND WILL NO LONGER BE AVAILABLE UNDER THE OLD WMO HEADINGS/COLLECTIVES.

THIS CHANGE WILL AFFECT THE ASOS METAR AND SPECI REPORTS...STANDARD HYDROMETEOROLOGICAL EXCHANGE FORMAT /SHEF/ PRECIPITATION CRITERIA AND HOURLY ACCUMULATION MESSAGES...THE DAILY SUMMARY MESSAGE /DSM/ AND THE MONTHLY SUMMARY MESSAGE /MSM/.

THE FOLLOWING WMO BULLETIN HEADING/COLLECTIVE CHANGES WILL OCCUR FOR THIS LOCATION:

METAR MESSAGES:

ASOS	WMO HEADER	WMO COLLECTIVE	WMO COLLECTIVE
SID	OLD	OLD	NEW
KDCA	SAUS41 KLWX	SAUS80 KWBC	SAUS70 KWBC

SPECI MESSAGES:

ASOS	WMO HEADER	WMO COLLECTIVE	WMO COLLECTIVE
SID	OLD	OLD	NEW
KDCA	SPUS41 KLWX	SPUS80 KWBC	SPUS70 KWBC

ASOS SHEF PRECIPITATION CRITERIA MESSAGE:

ASOS	WMO HEADER	WMO HEADER	FAA HUB
SID	OLD	NEW	
KDCA	SRUS61 KLWX	SRUS27 KZDC	WASHINGTON DC

ASOS SHEF HOURLY ROUTINE MESSAGE:

ASOS	WMO HEADER	WMO HEADER	FAA HUB
SID	OLD	NEW	
KDCA	SRUS71 KLWX	SRUS27 KZDC	WASHINGTON DC

ASOS DAILY SUMMARY MESSAGE:

ASOS	WMO HEADER	WMO HEADER	FAA HUB
SID	OLD	NEW	
KDCA	CXUS41 KLWX	CDUS27 KZDC	WASHINGTON DC

ASOS MONTHLY SUMMARY MESSAGE:

ASOS	WMO HEADER	WMO HEADER	FAA HUB
SID	OLD	NEW	

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KDCA CSUS41 KLWX CSUS27 KZDC WASHINGTON DC

WE URGE ALL USERS WITH AUTOMATIC DECODERS TO 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 THIS CHANGE...PLEASE CONTACT:

DAVE MANNARANO  
PHONE: 301-713-2093 X 103  
EMAIL: [DAVID.MANNARANO@NOAA.GOV](mailto:DAVID.MANNARANO@NOAA.GOV)

OR

ANTHONY ROBINSON  
PHONE: 301-713-1373 X 110  
EMAIL: [ANTHONY.ROBINSON@NOAA.GOV](mailto:ANTHONY.ROBINSON@NOAA.GOV)

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

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

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