

NOUS41 KWBC 141630  
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 04-39  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
1230 PM EDT WED JUL 14 2004

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: AUTOMATED SURFACE OBSERVING SYSTEM /ASOS/ COMMUNICATIONS TRANSFER  
FROM NATIONAL WEATHER SERVICE TO FEDERAL AVIATION ADMINISTRATION /FAA/  
EFFECTIVE JULY 14 2004

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  
TECHNICAL IMPLEMENTATION NOTICE /TIN/ WAS [TIN 04-27](#) TRANSMITTED ON JUNE 16  
2004.

THIS MESSAGE IS TO INFORM YOU OF THE EFFECTIVE DATE THE NATIONAL WEATHER  
SERVICE /NWS/ ADVANCED WEATHER INTERACTIVE PROCESSING SYSTEM /AWIPS/  
TRANSMISSION PATH HAS BEEN DISCONNECTED AT THE NEXT AUTOMATED SURFACE  
OBSERVING SYSTEM /ASOS/ LOCATIONS. ADDITIONAL MESSAGES WILL BE ISSUED  
IMMEDIATELY WHEN THE AWIPS TRANSMISSION PATH HAS BEEN DISCONNECTED AT  
SUCCEEDING LOCATIONS.

THE LONG-LINE TRANSMISSION OF OBSERVATIONS FROM 40 FEDERAL AVIATION  
ADMINISTRATION /FAA/ SERVICE LEVEL A AND B ASOS LOCATIONS...AND FROM 37  
FAA SERVICE LEVEL A AND B BUT MOSTLY C AND D ASOS LOCATIONS...IS CURRENTLY  
IN TRANSITION FROM THE NWS AWIPS NETWORK COMMUNICATIONS PATHWAY TO THE FAA  
AUTOMATED WEATHER OBSERVING SYSTEM /AWOS/ ASOS DATA ACQUISITION SYSTEM  
/ADAS/ NETWORK COMMUNICATIONS PATHWAY. TRANSITION OF THESE ASOS  
SYSTEMS...SCHEDULED THROUGH 2005...IS BEING DONE TO SUPPORT TRANSITION OF  
COMMUNICATIONS TRANSMISSION PATHWAY RESPONSIBILITY FROM NWS TO FAA. IN  
ADDITION...THE TRANSITION OF THE 40 FAA SERVICE LEVEL A AND B LOCATIONS IS  
BEING DONE TO SUPPORT FAA INTEGRATED WEATHER INFORMATION SYSTEM /ITWS/  
ACQUISITION OF ASOS ONE MINUTE OBSERVATIONS.

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

EFFECTIVE WEDNESDAY JULY 14 2004...THE FOLLOWING TWO ASOS LOCATIONS  
 TRANSITIONED NETWORK COMMUNICATION PATHWAYS FROM NWS AWIPS TO FAA ADAS:

SID	LOCATION	STATE	NWS AWIPS ENDS
KCMH	COLUMBUS	OH	7/14/04
KILN	WILMINGTON	OH	7/14/04

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 FORMER WMO HEADINGS/COLLECTIVES.

THIS CHANGE WILL AFFECT 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 WMO BULLETIN HEADING/COLLECTIVE CHANGES WILL OCCUR FOR THESE  
 LOCATIONS:

METAR MESSAGES:

ASOS

SID	WMO HEADER OLD	WMO COLLECTIVE OLD	WMO COLLECTIVE NEW
KCMH	SAUS41 KILN	SAUS80 KWBC	SAUS70 KWBC
KILN	SAUS41 KILN	SAUS80 KWBC	SAUS70 KWBC

SPECI MESSAGES:

ASOS

SID	WMO HEADER OLD	WMO COLLECTIVE OLD	WMO COLLECTIVE NEW
KCMH	SPUS41 KILN	SPUS80 KWBC	SPUS70 KWBC
KILN	SPUS41 KILN	SPUS80 KWBC	SPUS70 KWBC

ASOS SHEF PRECIPITATION CRITERIA MESSAGE:

ASOS SID	WMO HEADER OLD	WMO HEADER NEW	FAA HUB
KCMH	SRUS61 KILN	SRUS27 KZID	INDIANAPOLIS
KILN	SRUS61 KILN	SRUS27 KZID	INDIANAPOLIS

ASOS SHEF HOURLY ROUTINE MESSAGE:

ASOS	WMO HEADER	WMO HEADER	FAA HUB
SID	OLD	NEW	
KCMH	SRUS71 KILN	SRUS27 KZID	INDIANAPOLIS
KILN	SRUS71 KILN	SRUS27 KZID	INDIANAPOLIS

ASOS DAILY SUMMARY MESSAGE:

ASOS	WMO HEADER	WMO HEADER	FAA HUB
SID	OLD	NEW	
KCMH	CXUS41 KILN	CDUS27 KZID	INDIANAPOLIS
KILN	CXUS41 KILN	CDUS27 KZID	INDIANAPOLIS

ASOS MONTHLY SUMMARY MESSAGE:

ASOS	WMO HEADER	WMO HEADER	FAA HUB
SID	OLD	NEW	
KCMH	CSUS41 KILN	CSUS27 KZID	INDIANAPOLIS
KILN	CSUS41 KILN	CSUS27 KZID	INDIANAPOLIS

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 THESE CHANGES...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)

END  
NNNN