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TECHNICAL IMPLEMENTATION NOTICE 04-33
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON D.C.
950 AM EDT WED JUN 30 2004

TO: FAMILY OF SERVICES /FOS/ SUBSCRIBERS
FEDERAL AVIATION ADMINISTRATION /FAA/ CUSTOMERS
OTHER NATIONAL WEATHER SERVICE /NWS/ CUSTOMERS OF
AVIATION FORECASTS NWS EMPLOYEES

FROM: MARK ANDREWS
CHIEF...AVIATION WEATHER SERVICES BRANCH

SUBJECT: CHANGES TO WIND AND TEMPERATURE ALOFT FORECAST
BULLETINS EFFECTIVE SEPTEMBER 14 2004

EFFECTIVE TUESDAY SEPTEMBER 14 2004 AT 800 A.M. EASTERN STANDARD TIME /EST/...1200 COORDINATED UNIVERSAL TIME /UTC/...17 WIND AND TEMPERATURE ALOFT FORECAST SITES WILL BE ADDED TO SUPPORT INTERNATIONAL PILOT WEATHER BRIEFINGS AND OTHER AVIATION INTERESTS IN THE PACIFIC REGION. THESE SITES ALONG WITH THEIR LOCATION AND ALTITUDE ARE LISTED IN TABLE 1. RESPONSIBILITY FOR PRODUCING THE WIND AND TEMPERATURE ALOFT FORECASTS FOR THE PACIFIC REGION WILL ALSO BE TRANSFERRED FROM THE WEATHER FORECAST OFFICE /WFO/ IN HONOLULU...HI TO THE NATIONAL CENTERS FOR ENVIRONMENTAL PREDICTION /NCEP/ IN CAMP SPRINGS...MD. AS A RESULT...THE FORMAT CURRENTLY USED BY WFO HONOLULU WILL BE CHANGED TO ACCOMMODATE ADDITIONAL FLIGHT LEVELS AND CONFORM WITH NATIONAL STANDARDS.

ADDITIONALLY...THE PRODUCT HEADINGS FOR THE WIND AND TEMPERATURE ALOFT FORECASTS WILL BE CHANGED TO CONFORM WITH WMO STANDARDS. IN THE PROCESS SEVERAL GROUPS OF WIND AND TEMPERATURE ALOFT PRODUCTS OVER CONUS WILL BE CONSOLIDATED. EXISTING PRODUCT HEADINGS THAT WILL BE DELETED ARE LISTED IN TABLE 2. THOSE GROUPS OF PRODUCTS THAT WILL BE COMBINED...WITH A NEW WMO HEADING ASSIGNED TO THE CONSOLIDATED PRODUCT...ARE LISTED IN TABLE 3. THIS GROUP INCLUDES NEW BULLETINS HEADERS FBAK37 KWNO...FBAK38 KWNO...AND FBAK39 KWNO...WHICH ARE HIGH LEVEL WIND AND TEMPERATURE ALOFT FORECAST PRODUCTS FOR ALASKA AND SURROUNDING WATERS. THE NEW WIND AND TEMPERATURE ALOFT PRODUCTS AND THEIR WMO HEADINGS ARE LISTED IN TABLE 4.

BECAUSE OF THESE CHANGES...CUSTOMERS MUST TAKE APPROPRIATE ACTION TO RECEIVE OR CONTINUE TO RECEIVE THE WIND AND TEMPERATURE ALOFT FORECAST PRODUCTS.

A WEB PAGE HAS BEEN ESTABLISHED WITH SAMPLES OF BOTH THE CURRENT AND FUTURE FORMATS...ALONG WITH AN EXPLANATION OF THE CHANGES... TO ALLOW USERS TO TEST THE CHANGES TO ENSURE THAT THEY CAN DECODE

THE NEW AND/OR CONSOLIDATED PRODUCTS CORRECTLY. THIS WEB PAGE IS LOCATED AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.PRH.NOAA.GOV/HNL/PAGES/FDWINDS.PHP](http://www.prh.noaa.gov/hnl/pages/fdwinds.php)

TABLE 1. NEW SITES TO BE ADDED IN THE PACIFIC REGION.

LATITUDE AND LONGITUDE ARE GIVEN IN DEGREES/MINUTES. WEST LONGITUDE IS NEGATIVE LONGITUDE. ELEVATION IS GIVEN IN FEET MEAN SEA LEVEL.

FAA ID	LOCATION	LAT	Lon	ELEVATION
HAWAII				
LNK	LANAI	20/47	-156/57	1308
KOA	KONA	19/44	-156/03	47
JON	JOHNSTON ISLAND	16/44	-169/32	7
MDY	MIDWAY ISLAND	28/12	-177/23	13
AWK	WAKE ISLAND	19/17	166/38	14
PPG	PAGO PAGO AMERICAN SAMOA	14/20	-170/43	30
GUM	GUAM	13/29	144/48	298
ROR	KOROR PALAU	07/22	134/32	176
REPUBLIC OF THE MARSHALL ISLANDS				
KWA	KWAJALEIN	08/43	167/44	9
MAJ	MAJURO	07/04	171/17	6
FEDERATED STATES OF MICRONESIA				
TTK	KOSRAE	05/21	162/58	11
TKK	CHUUK	07/28	151/51	11
PNI	POHNPEI	06/59	158/13	10
T11	YAP	09/30	138/05	91
COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS				
GRO	ROTA	14/10	145/14	607
GSN	SAIPAN	15/07	145/44	215
TNI	WEST TINIAN	14/59	145/37	268

TABLE 2. NWS WIND AND TEMPERATURE ALOFT PRODUCTS WHICH WILL BE REMOVED FROM THE AWIPS/NOAAPORT DATASTREAM.

WIND/TEMPERATURE ALOFT FCST	WMO HEADER	AWIPS ID
LOW LEVEL 6 HR FCST FOR HAWAII	FBHW40 PHFO	FD2HI

TABLE 3. NWS WIND AND TEMPERATURE ALOFT PRODUCTS THAT WILL BE ADDED TO THE AWIPS/NOAAPORT DATASTREAM.

WIND/TEMPERATURE ALOFT FCST	WMO HEADER	AWIPS ID
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LOW LEVEL 6 HR FCST FOR HAWAII	FBHW31 KWNO	FD1HW1
LOW LEVEL 12 HR FCST FOR HAWAII	FBHW33 KWNO	FD3HW3
LOW LEVEL 24 HR FCST FOR HAWAII	FBHW35 KWNO	FD5HW5
HIGH LEVEL 6 HR FCST FOR HAWAII	FBHW37 KWNO	FD8HW7
HIGH LEVEL 12 HR FCST FOR HAWAII	FBHW38 KWNO	FD9HW8
HIGH LEVEL 24 HR FCST FOR HAWAII	FBHW39 KWNO	FD0HW9
LOW LEVEL 6 HR FCST FOR PACIFIC	FBOC31 KWNO	FD1OC1
LOW LEVEL 12 HR FCST FOR PACIFIC	FBOC33 KWNO	FD3OC3
LOW LEVEL 24 HR FCST FOR PACIFIC	FBOC35 KWNO	FD5OC5
HIGH LEVEL 6 HR FCST FOR PACIFIC	FBOC37 KWNO	FD8OC7
HIGH LEVEL 12 HR FCST FOR PACIFIC	FBOC38 KWNO	FD9OC8
HIGH LEVEL 24 HR FCST FOR PACIFIC	FBOC39 KWNO	FD0OC9
HIGH LEVEL 6 HR FCST FOR ALASKA	FBAK37 KWNO	FD8AK7
HIGH LEVEL 12 HR FCST FOR ALASKA	FBAK38 KWNO	FD9AK8
HIGH LEVEL 24 HR FCST FOR ALASKA	FBAK39 KWNO	FD0AK9

TABLE 4. NWS WIND AND TEMPERATURE ALOFT PRODUCTS THAT WILL BE CONSOLIDATED AND ASSIGNED A NEW WMO HEADING AND AWIPS ID. THE OLD PRODUCTS DID NOT HAVE AN AWIPS ID. THE OLD WMO HEADINGS WILL BE REMOVED FROM THE AWIPS/NOAAPORT DATASTREAM. THE NEW HEADINGS WILL BE ADDED TO THE AWIPS/NOAAPORT DATASTREAM.

LOW LEVEL 6 HR FCST FOR CONUS.

OLD WMO HEADERS

FDUW01 KWBC		
FDUW02 KWBC		
FDUM01 KWBC		
FDUM02 KWBC	NEW WMO HEADER	NEW AWIPS ID
FDUE01 KWBC	FBUS31 KWNO	FD1US1
FDUE02 KWBC		
FDUS11 KWBC		
FDUS12 KWBC		

LOW LEVEL 12 HR FCST FOR CONUS.

OLD WMO HEADERS

FDUW03 KWBC		
FDUW04 KWBC		
FDUM03 KWBC		
FDUM04 KWBC	NEW WMO HEADER	NEW AWIPS ID
FDUE03 KWBC	FBUS33 KWNO	FD3US3
FDUE04 KWBC		
FDUS13 KWBC		
FDUS14 KWBC		

LOW LEVEL 24 HR FCST FOR CONUS.

OLD WMO HEADERS

FDUW05 KWBC		
FDUW06 KWBC		
FDUM05 KWBC		
FDUM06 KWBC	NEW WMO HEADER	NEW AWIPS ID

FDUE05 KWBC FBUS35 KWNO FD5US5
FDUE06 KWBC
FDUS15 KWBC
FDUS16 KWBC

HIGH LEVEL 6 HR FCST FOR CANADA

OLD WMO HEADERS NEW WMO HEADER NEW AWIPS ID
FDCN1 KWBC FBCN31 KWNO FD1CN1
FDCN40 KWBC

HIGH LEVEL 12 HR FCST FOR CANADA

OLD WMO HEADERS NEW WMO HEADER NEW AWIPS ID
FDCN2 KWBC FBCN33 KWNO FD3CN3
FDCN41 KWBC

HIGH LEVEL 24 HR FCST FOR CANADA

OLD WMO HEADERS NEW WMO HEADER NEW AWIPS ID
FDCN3 KWBC FBCN35 KWNO FD5CN5
FDCN42 KWBC

TABLE 4. WIND AND TEMPERATURE ALOFT PRODUCTS THAT WILL BE ASSIGNED NEW WMO HEADERS AND AWIPS IDS. THE OLD PRODUCTS DID NOT HAVE AN AWIPS ID. THE OLD WMO HEADINGS WILL BE REMOVED FROM THE AWIPS/NOAAPORT DATASTREAM. THE NEW HEADINGS WILL BE ADDED TO THE AWIPS/NOAAPORT DATASTREAM.

LOW LEVEL 6...12...AND 24 HR FCSTS FOR ALASKA

OLD WMO HEADER NEW WMO HEADER NEW AWIPS ID
FDAK1 KWBC FBAK31 KWNO FD1AK1
FDAK2 KWBC FBAK33 KWNO FD3AK3
FDAK3 KWBC FBAK35 KWNO FD5AK5

HIGH LEVEL 6...12...AND 24 HR FCSTS FOR CONUS.

OLD WMO HEADER NEW WMO HEADER NEW AWIPS ID
FDUS8 KWBC FBUS37 KWNO FD8US7
FDUS9 KWBC FBUS38 KWNO FD9US8
FDUS10 KWBC FBUS39 KWNO FD0US9

IF YOU HAVE ANY QUESTIONS REGARDING THESE CHANGES OR IF YOU BELIEVE THESE CHANGES WILL ADVERSELY IMPACT YOUR OPERATIONS... PLEASE CONTACT:

BOB DUFRANE
1325 EAST WEST HIGHWAY
SSMC2 ROOM 13319
SILVER SPRING MD 20910
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BOB.DUFANE@NOAA.GOV

THIS NOTICE AND OTHER TECHICAL IMPLEMETATION NOTICES ARE AVAILABLE ONLINE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.NWS.NOAA.GOV/OM/NOTIF.HTM](http://www.nws.noaa.gov/om/notif.htm)

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