

NOUS41 KWBC 031815  
PNSWSH

Service Change Notice 21-27  
National Weather Service Headquarters Silver Spring MD  
115 PM EST Wed Mar 3 2021

To:           Subscribers:  
              -NOAA Weather Wire Service  
              -Emergency Managers Weather Information Network  
              -NOAAPort  
              Other NWS Partners, Users and Employees

From:       Allison Allen, Chief  
              Marine, Tropical and Tsunami Services Branch

Subject: Additive Field Change to the Aviation Tropical Cyclone Advisory  
(TCA): Effective on or about May 15, 2021

Effective on or about May 15, 2021, the National Hurricane Center and the Central Pacific Hurricane Center will add a new field to the Aviation Tropical Cyclone Advisory (TCA) product. This field will describe "changes of maximum surface wind speed at time of observation" (reference Amendment 79 to Annex 3 to the International Civil Aviation Organization (ICAO) Convention on International Civil Aviation and World Meteorological Organization (WMO) Technical Regulation No. 49, Volume II, Meteorological Service for International Air Navigation).

The INTST CHANGE field will appear between the MOV (direction and speed of movement) and C (central pressure) fields and contain values of INTSF, WKN or NC (intensifying, weakening, or no change). This change will be included in the seasonal update to [National Weather Service Instruction 10-607: Tropical Cyclone Forecast Center Products and Services](#).

An example of the new format of the TCA is below:

FKPA22 PHFO 140250  
TCAPA2

HURRICANE EXERCISE ICAO ADVISORY NUMBER 2  
NWS CENTRAL PACIFIC HURRICANE CENTER HONOLULU HI CP012021  
0300 UTC TUE AUG 14 2021

TC ADVISORY  
DTG:                   20210814/0300Z  
TCAC:                  PHFO  
TC:                    EXERCISE  
ADVISORY NR:          2021/002  
OBS PSN:              14/0230Z N1554 W15200  
MOV:                   WNW 14KT  
INTST CHANGE:        NC  
C:                     0957HPA  
MAX WIND:             105KT  
FCST PSN +6 HR:      14/0900Z N1615 W15254

FCST MAX WIND +6 HR: 105KT  
 FCST PSN +12 HR: 14/1500Z N1636 W15348  
 FCST MAX WIND +12 HR: 105KT  
 FCST PSN +18 HR: 14/2100Z N1706 W15500  
 FCST MAX WIND +18 HR: 105KT  
 FCST PSN +24 HR: 15/0300Z N1736 W15612  
 FCST MAX WIND +24 HR: 100KT  
 RMK: THE FORECAST POSITION INFORMATION  
 IN THIS PRODUCT IS INTERPOLATED  
 FROM OFFICIAL FORECAST DATA VALID  
 AT 0000, 0600, 1200, AND 1800Z.  
 NXT MSG: 20080814/0900Z

[Double dollar signs]

The TCA is provided using the following Advanced Weather Interactive Processing System (AWIPS) product identifiers (PILs) and WMO Headers:

Product	WMO Header	AWIPS PIL
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Atlantic Basin TCA	FKNT/21-25/ KNHC	TCANT/1-5/
East Pacific TCA	FKPZ/21-25/ KNHC	TCAPZ/1-5/
Central Pacific TCA	FKPA/21-25/ PHFO	TCAPA/1-5/

Users of the TCA product should be aware that the NWS plans to provide the TCA in an additional format beginning in May 2021, when the NWS meets the WMO and ICAO requirement to additionally disseminate the TCA in ICAO Meteorological Information Exchange Model (IWXXM) format. The NWS will issue a Service Change Notice (SCN) before beginning the provision of aviation products in IWXXM format.

For questions regarding the changes directed by the WMO and ICAO outlined in this notice, please contact:

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 Silver Spring, MD  
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For questions about tropical cyclone products and services, please contact:

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 NWS Marine, Tropical and Tsunami Services Branch  
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National Service Change Notices are online at:

<https://www.weather.gov/notification/>

NNNN