

NOUS41 KWBC 151750 AAA  
PNSWSH

Service Change Notice 20-49 Updated  
National Weather Service Headquarters Silver Spring MD  
150 PM EDT Mon Jun 15 2020

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

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

Subject:      Updated: Changes to the Aviation Tropical Cyclone  
              Advisory (TCA) Effective Immediately

Corrected to include a complete example of the new TCA product.  
The previous issuance included an error that accidentally  
removed the RMK section.

Effective immediately, format changes will be made to the  
Aviation Tropical Cyclone Advisory (TCA) product issued by the  
National Hurricane Center and the Central Pacific Hurricane  
Center for active tropical cyclones. These changes will  
supersede information in National Weather Service Instruction  
10-607: Tropical Cyclone Forecast Center Products and Services.  
These changes are necessary to be in compliance with World  
Meteorological Organization (WMO) Technical Regulation No. 49,  
Volume II, Meteorological Service for International Air  
Navigation. This Regulation was recently amended to align with  
Amendment 78 to Annex 3 to the International Civil Aviation  
Organization (ICAO) Convention on International Civil Aviation.

An example of the new format of the TCA can be found 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  
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 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 November when the WMO and ICAO will require the TCA to be disseminated in ICAO Meteorological Information Exchange Model (IWXXM) format. The NWS will issue an 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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For questions about tropical cyclone product and services,  
please contact:

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National Service Change Notices are online at:  
<https://www.weather.gov/notification/>

NNNN