

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 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 [NWS 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 Advanced Weather Interactive Processing System (AWIPS) product identifiers (PILs) and World Meteorological Organization (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 products and services, please contact:

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National Service Change Notices are online at:

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

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