

NOUS41 KWBC 232140
PNSWSH

Service Change Notice 24-07
National Weather Service Headquarters Silver Spring MD
440 PM EST Tue Jan 23 2024

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

From: Greg Schoor, Chief
Marine, Tropical, and Tsunami Services Branch

Subject: Aviation Tropical Cyclone Advisory (TCA) to Add a 6-hour Forecast
Beginning on or about May 15, 2024

Effective on or about May 15, 2024, the National Hurricane Center (NHC) and the Central Pacific Hurricane Center (CPHC) will add a 6-hour forecast of tropical cyclone (TC) position and intensity to the Aviation Tropical Cyclone Advisory (TCA). To meet aviation warning provider needs for information for TC SIGMETs (SIGNificant METeorological information), NHC and CPHC will provide TC forecast information valid at times 03, 06, 09, 15, 21, and 27 hours relative to the advisory issuance time as shown in the example below. The 03-, 09-, 15-, 21-, and 27-hour forecasts are valid on synoptic hours (00, 06, 12, and 18 Coordinated Universal Time (UTC)). This change will be included in the seasonal update to National Weather Service Instruction 10-607, Tropical Cyclone Forecast Center Products and Services, which will be posted in the Spring of 2024.

An example of the TCA format used during 2022 and 2023:

FKNT22 KNHC 151436
TCANT2

TROPICAL STORM BILL ICAO ADVISORY NUMBER 5
NWS NATIONAL HURRICANE CENTER MIAMI FL AL022021
1500 UTC TUE JUN 15 2023

TC ADVISORY
DTG: 20230615/1500Z
TCAC: KNHC
TC: BILL
ADVISORY NR: 2023/005
OBS PSN: 15/1500Z N4030 W06200
MOV: NE 33KT
INTST CHANGE: NC
C: 0998HPA
MAX WIND: 050KT
FCST PSN +3 HR: 15/1800Z N4225 W05939
FCST MAX WIND +3 HR: 050KT
FCST PSN +9 HR: 16/0000Z N4425 W05722

FCST MAX WIND +9 HR: 050KT
FCST PSN +15 HR: 16/0600Z N4628 W05507
FCST MAX WIND +15 HR: 045KT
FCST PSN +21 HR: 16/1200Z N//// W/////

FCST MAX WIND +21 HR: ///KT
FCST PSN +27 HR: 16/1800Z N//// W/////

FCST MAX WIND +27 HR: ///KT

RMK: SOME FORECAST INFORMATION IN
THIS PRODUCT IS INTERPOLATED FROM
OFFICIAL FORECAST DATA.

NXT MSG: 20230615/2100Z
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An example of the TCA format to be used beginning on or about May 15, 2024:

FKNT22 KNHC 151436
TCANT2

TROPICAL STORM BILL ICAO ADVISORY NUMBER 5
NWS NATIONAL HURRICANE CENTER MIAMI FL AL022021
1500 UTC TUE JUN 15 2024

TC ADVISORY

DTG: 20240615/1500Z
TCAC: KNHC
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C: 0998HPA
MAX WIND: 050KT
FCST PSN +3 HR: 15/1800Z N4225 W05939
FCST MAX WIND +3 HR: 050KT
FCST PSN +6 HR: 15/2100Z N4325 W05835
FCST MAX WIND +6 HR: 050KT
FCST PSN +9 HR: 16/0000Z N4425 W05722
FCST MAX WIND +9 HR: 050KT
FCST PSN +15 HR: 16/0600Z N4628 W05507
FCST MAX WIND +15 HR: 045KT
FCST PSN +21 HR: 16/1200Z N//// W/////

FCST MAX WIND +21 HR: ///KT
FCST PSN +27 HR: 16/1800Z N//// W/////

FCST MAX WIND +27 HR: ///KT

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NXT MSG: 20240615/2100Z
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The TCA is provided using the following Advanced Weather Interactive Processing System (AWIPS) product identifiers (PILs) and World Meteorological Organization (WMO) Headers:

Alphanumeric Product -----	WMO Header -----	AWIPS PIL -----
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/

This change will also be reflected in the International Civil Aviation Organization (ICAO) Meteorological Information Exchange Model (IWXXM) message version of the TCA.

IWXXM TCA products are issued under the following WMO Headers:

IWXXM Product -----	WMO Header -----
Atlantic Basin TCA	LKNT/21-25/ KNHC
East Pacific TCA	LKPZ/21-25/ KNHC
Central Pacific TCA	LKPA/21-25/ PHFO

For questions regarding the changes described in this notice, please contact:

Bruce Entwistle
NWS Aviation and Space Weather Services Branch
Silver Spring, MD
bruce.entwistle@noaa.gov

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

Jessica Schauer
NWS Tropical Program Manager
NWS Marine, Tropical, and Tsunami Services Branch
Miami, FL
tropical.program@noaa.gov

National Service Change Notices are online at:

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

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