

NOUS41 KWBC 011335
SCNWSH

Service Change Notice 22-26
National Weather Service Headquarters Silver Spring MD
835 AM EST Tue Mar 1 2022

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

From: Darren Wright, Acting Chief
Marine, Tropical and Tsunami Services Branch

Subject: Aviation Tropical Cyclone Advisory (TCA) to Provide Forecast Information at Synoptic Hours: Beginning on or about May 15, 2022

Effective on or about May 15, 2022, the National Hurricane Center (NHC) and the Central Pacific Hurricane Center (CPHC) will modify the Aviation Tropical Cyclone Advisory (TCA) to provide tropical cyclone (TC) forecast information at the synoptic hours of 00, 06, 12 and 18 Coordinated Universal Time (UTC). Through the 2021 hurricane season, the TCA provided forecast information valid at times 06, 12, 18 and 24 hours relative to the advisory issuance time, which made the forecast information valid at 03, 09, 15 and 21 UTC. To meet aviation customer needs for information valid at synoptic hours, beginning in May 2022, NHC and CPHC will provide TC forecast information valid at times 03, 09, 15, 21 and 27 hours relative to the advisory time, or 06, 12, 18, 24 and 30 hours after the base synoptic time of the advisory package, as shown in the example below. This change will be included in the seasonal update to NWS Instruction 10-607: Tropical Cyclone Forecast Center Products and Services.

An example of the TCA format used during 2021:

FKNT22 KNHC 151436
TCANT2

TROPICAL STORM BILL ICAO ADVISORY NUMBER 5
NWS NATIONAL HURRICANE CENTER MIAMI FL AL022021
1500 UTC TUE JUN 15 2021

TC ADVISORY
DTG: 20210615/1500Z
TCAC: KNHC
TC: BILL
ADVISORY NR: 2021/005
OBS PSN: 15/1500Z N4030 W06200
MOV: NE 33KT
INTST CHANGE: NC
C: 0998HPA
MAX WIND: 050KT

FCST PSN +6 HR: 15/2100Z N4225 W05939
 FCST MAX WIND +6 HR: 050KT
 FCST PSN +12 HR: 16/0300Z N4425 W05722
 FCST MAX WIND +12 HR: 050KT
 FCST PSN +18 HR: 16/0900Z N4628 W05507
 FCST MAX WIND +18 HR: 045KT
 FCST PSN +24 HR: 16/1500Z N//// W////
 FCST MAX WIND +24 HR: ///KT
 RMK: THE FORECAST POSITION INFORMATION IN
 THIS PRODUCT IS INTERPOLATED FROM
 OFFICIAL FORECAST DATA VALID AT
 0000...0600...1200 AND 1800Z.
 NXT MSG: 20210615/2100Z
 \$\$

An example of the TCA with forecast positions on synoptic hours:

FKNT22 KNHC 151436
 TCANT2

TROPICAL STORM BILL ICAO ADVISORY NUMBER 5
 NWS NATIONAL HURRICANE CENTER MIAMI FL AL022021
 1500 UTC TUE JUN 15 2021

TC ADVISORY
 DTG: 20210615/1500Z
 TCAC: KNHC
 TC: BILL
 ADVISORY NR: 2021/005
 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: 20210615/2100Z
 \$\$

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:

Mark Zettlemoyer
NWS Aviation and Space Weather Services Branch
Silver Spring, MD
mark.zettlemoyer@noaa.gov

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

Jessica Schauer
NWS Tropical Program Leader
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/>

NNNN