

NOUS41 KWBC 031715
SCNWSH

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

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: 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 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 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:

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

For questions about tropical cyclone product 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/>

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