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

Subject: Soliciting Comments through January 17, 2020 on the Addition of
60-hour Tropical Cyclone Forecasts When Applicable

The NWS is soliciting comments through January 17, 2020 on a proposal for the National Hurricane Center (NHC), the Central Pacific Hurricane Center (CPHC), and the Weather Prediction Center (WPC) to begin issuing 60-hour forecasts for tropical cyclones when applicable.

NHC and CPHC issue Tropical Cyclone Forecast/Advisory (TCM) products for all tropical cyclone system types, including ongoing and potential tropical cyclones, subtropical cyclones, post-tropical cyclones, and remnants of tropical cyclones.

The TCM provides forecast information, as applicable, out 120 hours (five days) into the future. Information provided by the TCM product includes track, intensity, size, and system type (i.e., post-tropical, remnant low) analysis and forecasts. Through the 2019 hurricane season, the TCM included forecasts at 12-hour time steps through 48 hours and forecasts at 24-hour time steps from 48 hours through 120 hours.

Beginning in the 2020 hurricane season, NWS is proposing to provide 60-hour forecast information, including the forecast system type, position, intensity, and 34-knot and 50-knot wind radii in all quadrants when applicable.

An example of the proposed 2020 TCM product that includes a 60-hour forecast is provided at:

https://www.nhc.noaa.gov/productexamples/TCM_example.txt

NHC and CPHC also provide a table of the analysis and forecast system type, position and intensity at the bottom of their Tropical Cyclone Discussion (TCD) products. This table within the TCD product would include the 60-hour forecast information, when applicable, beginning in 2020 if this proposal is approved.

Tropical Cyclone Track and Watch/Warning Graphics (also known as the cone graphic) for both the 3-day and 5-day forecast periods would include the

proposed 60-hour point if this change is accepted for operational implementation. An example of the Tropical Cyclone Track and Watch/Warning Graphic including a 60-hour point can be found here:

https://www.nhc.noaa.gov/images/cone_5day_with_wind.png

In addition, when an inland tropical depression is forecast to persist for 60 hours or longer, WPC will provide the 60-hour forecast system type, position, and intensity information in its Tropical Cyclone Public Advisory (TCP) product if this proposal is approved. WPC does not issue TCM or TCD products.

A full description of NWS Tropical Cyclone Forecast Center Products is provided in NWS Instruction (NWSI) 10-607, which is available online at:

<https://www.nws.noaa.gov/directives/sym/pd01006007curr.pdf>

This directive will be updated for the 2020 hurricane season to include these changes if they are approved for implementation.

Please provide your feedback to:

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National Public Information Statements are online at:

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

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