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Technical Implementation Notice 11-49  
National Weather Service Headquarters Washington DC  
820 AM EST Tue Nov 22 2011

To: National Weather Service (NWS) Offices  
Federal Aviation Administration (FAA) Customers  
Family of Services (FOS) Subscribers  
Other Customers of NWS Aviation Forecasts

From: Cyndie Abelman  
Chief, Aviation Services Branch

Subject: Addition of Outlook Sections to the San Francisco/Santa Barbara  
to Honolulu Route Forecasts (ROFOR): Effective December 28, 2011

Effective December 28, 2011, the NWS office in Honolulu will add a wind component outlook section to the San Francisco/Santa Barbara to Honolulu Route Forecasts (RFRKSF). This change will be effective with the RFRKSF issued at 1900 Coordinated Universal Time (UTC).

WFO Honolulu issues a route forecast (ROFOR) from San Francisco/Santa Barbara to Honolulu twice a day, at 0700 UTC and 1900 UTC. In addition to forecasts of winds, temperatures, and weather for zone segments along the routes, the ROFOR also includes a cumulative wind factor component section. The wind factor component section is a cumulative headwind/tailwind calculation based on forecast winds and the flight track along the route.

Pilots need certain wind factor components to complete flights to or from California, and will wait for favorable conditions. By adding an outlook forecast, pilots will be able to plan for changes in wind conditions expected over the next several days. Also, they will be able to get an idea of how the forecast is trending by tracking any changes in the wind component outlooks between successive forecasts.

An example of the new outlook section is available at:

[http://www.prh.noaa.gov/hnl/pages/aviation/rofor\\_format.php](http://www.prh.noaa.gov/hnl/pages/aviation/rofor_format.php)

This change will affect the format of the following existing product:

AWIPS Identifier	WMO Heading	Geographic Descriptor
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RFRKSF	FRPN31 PHFO	San Francisco to Honolulu Santa Barbara to Honolulu

National Weather Service Instruction 10-811 (Enroute Forecasts and Advisories) will be updated to include the outlook section during the next routine directive review cycle.

If you have any questions, please contact:

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