

***NATIONAL WEATHER SERVICE
PRODUCT/SERVICE DESCRIPTION DOCUMENT (PDD)
TYPE: Official Product
DATE: June 04, 2003***

AVIATION TROPICAL CYCLONE ADVISORY

Part 1 - Mission Connection

1. Product/Service Description:

The International Civil Aviation (ICAO) Tropical Cyclone (TC) advisory (TCA) is a text product prepared by the National Weather Services (NWS) National Hurricane Center (NHC) and Central Pacific Hurricane Center (CPHC) for their respective areas of responsibility.

2. Purpose/Intended Use:

The TCA is intended to provide short-term TC forecast guidance for aviation purposes.

3. Audience:

This product was designed for the international aviation community.

4. Presentation Format:

This product lists the current TC position, motion and intensity, and 12- and 24-hour forecast positions and intensities.

5. Feedback Method:

Continuous feedback is available via an Internet page e-mail link to the program managers in the Marine and Coastal Weather Services Branch.

Technical and policy questions, and comments for the TCA may be addressed to:

National Weather Service
Attn: Scott Kiser, W/OS21
Tropical Cyclone Program Manager
1325 East-West Highway, Room 13126
Silver Spring, MD 20910-3285

or e-mail questions and comments to: Scott.Kiser@noaa.gov

Part 2 - Technical

1. Format and Science Basis:

The TCA is an alphanumeric text product produced by hurricane forecasters, and consists of information extracted from the official (NHC) forecasts. This forecast is produced from subjective evaluation of current meteorological and oceanographic data as well as output from numerical weather prediction models, and is coordinated with affected Weather Forecast Offices (WFOs), the National Centers, and the Department of Defense.

2. Availability:

The product is issued as part of the standard TC advisory package and is disseminated at 0300, 0900, 1500, and 2100 Coordinated Universal Time (UTC) for all ongoing TCs.

3. Additional Information:

A full description of this and other NWS Tropical Cyclone Weather Services Program Products is provided in NWSI 10-601, which is available on the Internet at:

http://www.nws.noaa.gov/directives/010/operation_services.htm.