



INTERNATIONAL CIVIL AVIATION ORGANISATION

AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP (APIRG) METEOROLOGY SUB-GROUP TENTH MEETING (MET/SG/10))

(Dakar, Senegal, 29 June – 01 July 2011)

Agenda Item 5 : **Provision of tropical cyclone and volcanic ash advisories for the AFI Region and of the corresponding SIGMET by MWOs (including the review of the AFI SIGMET Tests results)**

TCAC La Réunion Report

SUMMARY

Annual presentation of TCAC La Réunion Report

(Presented by France)

1 **Introduction**

As part of the World Area Forecast System (WAFS) implemented by ICAO, France has, in accordance with regional air navigation plan, the responsibility for "Tropical Cyclone Advisory " (TCAC) . The center is located in Météo-France/La Réunion (Direction Interrégionale) and its area of responsibility extends from the equator to the 40th South, between East 30th and East 90th.

2 **Organisation between TCAC, ICAO and WMO**

The TCAC La Réunion works in cooperation with the ICAO Regional Offices in the AFI region, as well as the Tropical Cyclone Committee for the WMO (World Meteorological Organization) for the southwestern Indian Ocean (CR1) and provides production and dissemination of its advisories following recommendations and standards specified in ICAO annex3.

3 **Rapport d'activités 2010**

In 2010, the TCAG has issued 87 advisories, which is an extremely small number (this number was 150 in 2009 even though already declining for several years) largely reflecting a cyclonic activity less than normal in the southwestern Indian Ocean.

This small number of advisories is not so much due to the number of phenomena, certainly below the average (7 tropical storms - normal being 9 -, 4 becoming tropical cyclone), but due to the very small average life of low pressure systems with a significant intensity.

TCAC La Réunion continually works to improve the quality of its hurricane forecasts. After the dramatic reduction of forecast errors of hurricane tracks occurred in 2007, the TCAG has confirmed and consolidated its results since. The raw numbers of track forecast errors have decreased slightly in 2010, with an average error of forecast track slightly above 100 km at 24h. The gain was real when one considers the quality of forecasts in regards to the level of difficulty of these forecasts.

TCAG la Réunion notified in 2010 that it will produce TCA Graphics (for the start of the next hurricane season). They will be disseminated in the abbreviated header PZXD01, 02,03,04,05 FMEE.

4 Actions by the meeting

The meeting is invited to take note of the provided information.