



ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY

**SIGMET Collaborative Issuance
Workshop, French Session**

Virtuel, 26 novembre 2025



Issuance of TC SIGMET information

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WMO Cyclone Programme

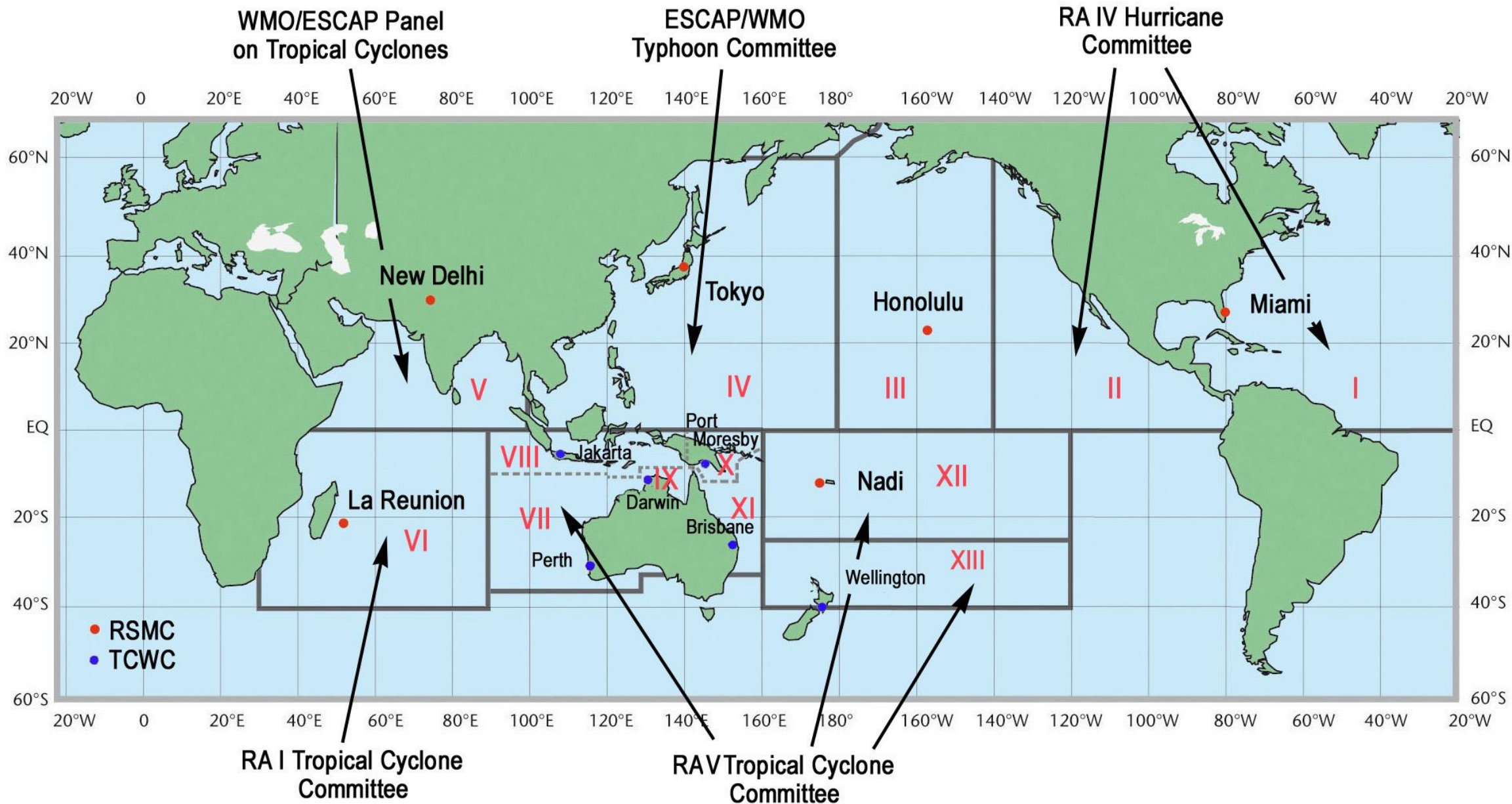
Tropical cyclone centres and their regions

The World Meteorological Organization's Tropical Cyclone Programme is responsible for establishing coordinated systems at the national and regional levels to minimize the loss of life and damage caused by tropical cyclones.

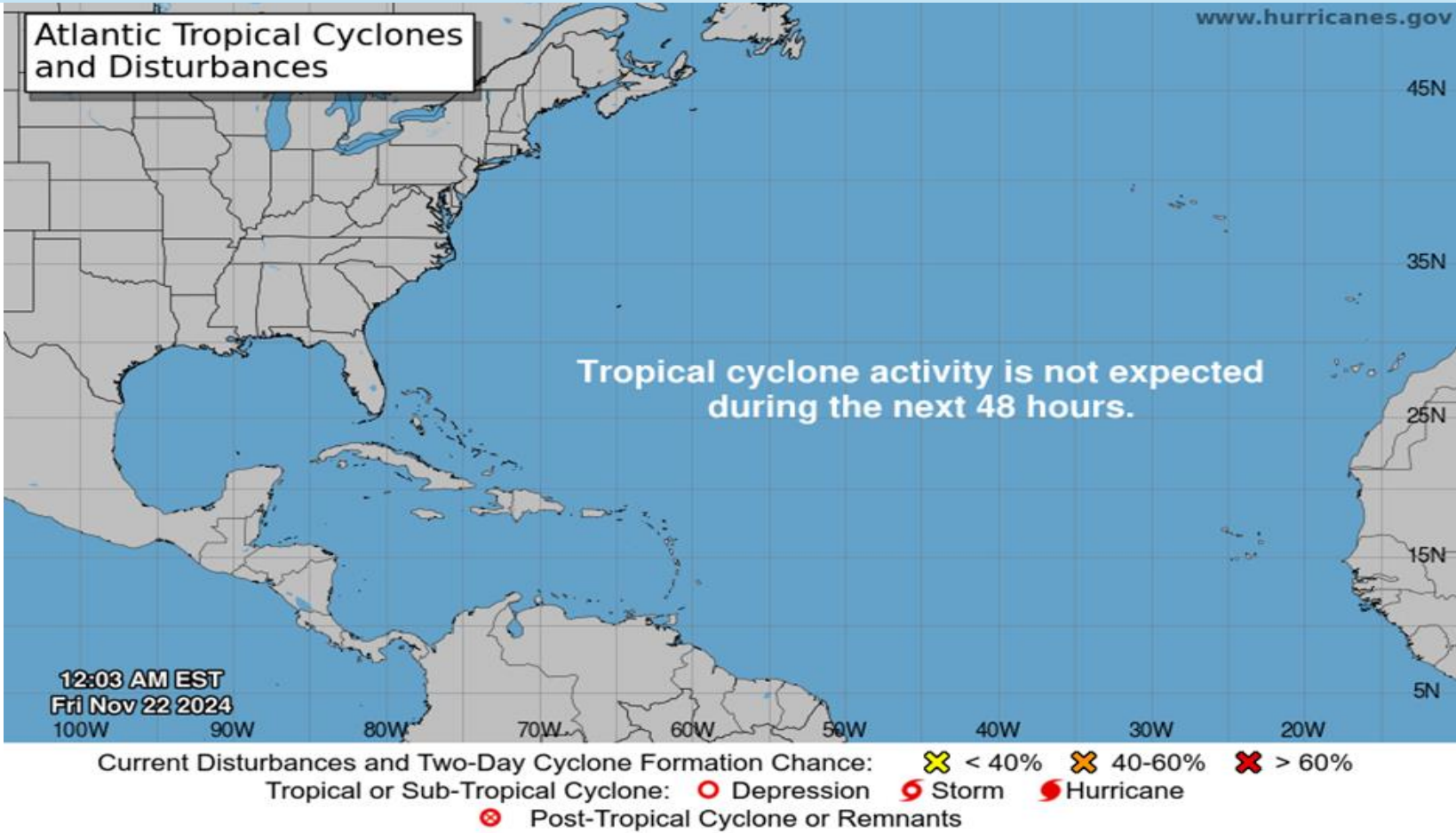
The table below lists the Regional Specialized Meteorological Centres (RSMC) and Tropical Cyclone Warning Centres (TCWC) participating in the WMO Tropical Cyclone Programme

Region	Description	Links to the Centres (RSMC and TCWC)
I-II	Atlantic and Eastern Pacific	U.S. National Hurricane Center (RSMC Miami)
III	Central Pacific	U.S. Central Pacific Hurricane Center (RSMC Honolulu)
IV	Northwest Pacific	Japan Meteorological Agency (RSMC Tokyo)
V	North Indian Ocean	India Meteorological Department (RSMC New Delhi)
VI	Southwest Indian Ocean	Météo France (RSMC La Réunion)
VII-XI	Southwest Pacific and Southeast Indian Ocean	VII: Australian Bureau of Meteorology (TCWC Perth)
		VIII: Indonesian Agency for Meteorology (TCWC Jakarta)
		IX: Australian Bureau of Meteorology (TCWC Darwin)
		X: Papua New Guinea (TCWC Port Moresby)
		XI: Australian Bureau of Meteorology (TCWC Brisbane)
XII-XIII	South Pacific	XII: Fiji Meteorological Service (RSMC Nadi)
		XIII: Meteorological Service of New Zealand, Ltd. (TCWC Wellington)

Global Tropical Cyclone Centres



WMO Region	Description	Links to the centres (RSMC and TCWC)
I-II	Atlantique et Pacifique Est	U.S. National Hurricane Center (RSMC Miami)



A3 STD 3.7

A Contracting State having accepted the responsibility for providing a tropical cyclone advisory centre (TCAC) shall arrange for that centre to:

- a) **monitor the development of tropical cyclones** in its area of responsibility, using geostationary and polar-orbiting satellite data, radar data and other meteorological information;
- b) **issue advisory information** concerning the position of the cyclone centre, its direction and speed of movement, central pressure and maximum surface wind near the centre, in abbreviated plain language to:
 - 1) MWOs in its area of responsibility;
 - 2) other TCACs whose areas of responsibility may be affected; and
 - 3) WAFCs, international OPMET databanks, and centres designated by regional air navigation agreement for the operation of aeronautical fixed service Internet-based services; and
- c) **issue updated advisory information** to MWOs for each tropical cyclone, as necessary, but at least every six hours.

Tropical Cyclone Avidsory Centre(s)

Responsibility for the issuance of TC SIGMET

In accordance with the provisions of the AFI Vol I and II eANP, TCCA La Réunion provides the advisory information on tropical cyclones to the associated MWOs of the AFI Region for the issuance of the corresponding SIGMETs.

The MWO States of the ESAF to issue TC SIGMET	MWO WACAF States to Issue TC SIGMET	Comments
Botswana	-	
Kenya	-	
Madagascar	-	
Malawi	-	
Mauritius	-	
Mozambique	-	
Seychelles	-	
South Africa	-	
United Republic of Tanzania	-	
Zimbabwe	-	



Provision of TC SIGMET Information

A3 STD 5.1.1 The advisory information on tropical cyclones disseminated in abbreviated plain language, using approved ICAO abbreviations and numerical values of self-explanatory nature, **shall be** in accordance with the template shown in **Table A2-2**.

A3 STD 5.1.3 As of 5 November 2020, tropical cyclone advisory centres **shall disseminate tropical cyclone advisory information in IWXXM GML form** in addition to the dissemination of this advisory information in abbreviated plain language in accordance with 5.1.2.

Example A2-2. Advisory message for tropical cyclones

TC ADVISORY
DTG: 20040925/1900Z
TCAC: YUFO*
TC: GLORIA
ADVISORY NR: 2004/13
OBS PSN: 25/1800Z N2706 W07306
CB: WI 250NM OF TC CENTRE TOP FL500
MOV: NW 20KMH
C: 965HPA
MAX WIND: 22MPS
FCST PSN +6 HR: 25/2200Z N2748 W07350
FCST MAX WIND +6 HR: 22MPS
FCST PSN +12 HR: 26/0400Z N2830 W07430
FCST MAX WIND +12 HR: 22MPS
FCST PSN +18 HR: 26/1000Z N2852 W07500
FCST MAX WIND +18 HR: 21MPS
FCST PSN +24 HR: 26/1600Z N2912 W07530
FCST MAX WIND +24 HR: 20MPS
RMK: NIL
NXT MSG: 20040925/2000Z

MWOs associated to TCAC

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Issuance of TC SIGMET

MWOs in its **area of responsibility**, at the reception of the TC Advisory from their associated TCAC, **shall prepare and disseminate** to the corresponding SIGMET TC to the **designated recipients**.

SIGMET message for tropical cyclone is prepared using the Table A6-2 in Appendix 6 of A3 to Chicago Convention.

The **AMBEX Handbook** provides details on the **WMO Abbreviated Headings** for SIGMET.

Example of SIGMET TC – Source A3

YUCC SIGMET 3 VALID 251600/252200 YUDO –
YUCC AMSWELL FIR TC GLORIA PSN N2706 W07306 CB OBS AT 1600Z WI
250NM OF TC CENTRE TOP FL500 NC FCST AT 2200Z TC CENTRE PSN N2740
W07345 =

For harmonized SIGMET TC Information

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- States **to regulate** the provision of SIGMET TC Information
- MWOs States concerned to **comply with the requirements** for the provision of SIGMET TC Information
- **Close coordination** between TCAC(s), (TCAC La Reunion), associated MWOs and other key stakeholders in monitoring and providing quality and reliable SIGMET TC Information.
- MET Service Providers to implement **quality assurance** of SIGMET TC.



Thank You!