



WMO OMM

World Meteorological Organization  
 Organisation météorologique mondiale  
 Organización Meteorológica Mundial  
 Всемирная метеорологическая организация  
 المنظمة العالمية للأرصاد الجوية  
 世界气象组织

## Secrétariat

7 bis, avenue de la Paix – Case postale 2300  
 CH 1211 Genève 2 – Suisse  
 Tél.: +41 (0) 22 730 81 11  
 Fax: +41 (0) 22 730 81 81  
 wmo@wmo.int – public.wmo.int

Notre réf.: 22877/2017/WDS/TCP/RA I/TCC-22

30 juin 2017

Annexes: 3 (disponibles en anglais seulement)

Objet: Vingt-deuxième session du Comité des cyclones tropicaux pour le sud-ouest de l'océan Indien relevant du Conseil régional I (Mahé, Seychelles, 25-29 septembre 2017)

Suite à donner: Faire parvenir au Secrétariat de l'OMM, le **17 juillet 2017** au plus tard, les formulaires de désignation dûment remplis

Madame, Monsieur,

J'ai le plaisir de vous informer qu'à l'aimable invitation du Gouvernement des Seychelles, le Comité des cyclones tropicaux relevant du Conseil régional I tiendra sa vingt-deuxième session à Mahé, du 25 au 29 septembre 2017.

À sa seizième session, le Conseil régional I a adopté la résolution 13 et a reconduit, au nombre de ses groupes de travail, le Comité des cyclones tropicaux pour le sud-ouest de l'océan Indien. Dans la mesure où votre pays est représenté dans ce comité, je tiens à vous inviter à désigner un expert susceptible de prendre part à la session mentionnée en objet. Vous trouverez ci-joint l'ordre du jour provisoire annoté et une note d'information.

Aux termes de la règle 37 du Règlement général de l'Organisation, «les dépenses afférentes à la participation des membres des groupes de travail des organes constituants aux sessions de ces groupes sont normalement à la charge des Membres auxquels appartiennent les membres de ces groupes de travail». Nous espérons par conséquent que ces dépenses seront couvertes par le gouvernement de votre pays.

Si toutefois votre Service n'était pas en mesure d'assumer tous les frais de participation de votre expert(e), l'OMM pourrait envisager de fournir une assistance financière destinée à couvrir ses frais de voyage (au tarif le plus économique) et de lui verser une somme forfaitaire en lieu et place de l'indemnité journalière de subsistance. Par ailleurs, je ne peux que vous inciter à désigner un ou plusieurs experts supplémentaires, sachant toutefois qu'en raison des ressources limitées allouées à cette réunion, l'OMM compte sur votre Service pour prendre en charge leurs frais de participation.

Aux: Représentants permanents des Membres du Comité des cyclones tropicaux pour le sud-ouest de l'océan Indien relevant du Conseil régional I (distribution restreinte)

cc: M. Amos Makarau, Président du Conseil régional I, Harare, Zimbabwe )  
 M. David Goutx, Président du Comité des cyclones tropicaux ) (pour information)  
 relevant du Conseil régional I, La Réunion, France )

Je vous invite en outre à communiquer aux participants, avant qu'ils n'entreprennent leur voyage, les informations suivantes:

*«Pour les personnes qui ne font pas partie de son personnel mais qui sont autorisées à voyager à ses frais et/ou au bénéfice d'une indemnité journalière de subsistance, l'OMM accepte une responsabilité limitée en matière de compensation en cas de décès, maladie ou accident imputable à la présence à des réunions ou à l'exercice de fonctions au service de l'Organisation. Ces personnes doivent donc prendre entièrement à leur charge toute dépense découlant de circonstances étrangères à leur présence à des réunions ou à l'exercice de fonctions au service de l'Organisation et il leur appartient de conclure toute assurance sur la vie, assurance maladie ou toute autre forme d'assurance qu'elles jugeraient utiles.»*

Comme il ressort de l'ordre du jour provisoire annoté ci-joint, la session ne portera pas uniquement sur les aspects météorologiques du système d'avis de cyclones tropicaux, mais également sur les mesures indispensables à prendre au titre des composantes du plan technique du Comité et du programme de mise en œuvre qui ont trait à l'hydrologie, ainsi qu'à la prévention et à l'anticipation des catastrophes. Le Comité a donc intérêt à ce que des spécialistes de ces domaines soient présents à la session, et je vous invite à en tenir compte.

Je vous saurais gré de remplir le formulaire de nomination ci-joint, en indiquant si vous avez besoin d'une aide financière, et de le renvoyer au Secrétariat de l'OMM le **17 juillet 2017** au plus tard.

Veuillez agréer, Madame, Monsieur, l'expression de ma considération distinguée.



(W. Zhang)  
pour le Secrétaire général

WORLD METEOROLOGICAL ORGANIZATION

RA I/TCC-22/Doc.1  
(7.VI.2017)RA I TROPICAL CYCLONE COMMITTEE  
FOR THE SOUTH-WEST INDIAN OCEAN

TWENTY-SECOND SESSION

ITEM 1

MAHE, SEYCHELLES

25-29 SEPTEMBER 2017

Original: ENGLISH

**PROVISIONAL ANNOTATED AGENDA****1 ORGANIZATION OF THE SESSION****1.1. Opening of the session**

At the kind invitation of the Government of Seychelles, the twenty-second session of the RA I Tropical Cyclone Committee for the South-West Indian Ocean will be held in Mahé, Seychelles, from 25 to 29 September 2017.

Detailed information on the exact location of the session and other information on material arrangements for the session are given in RA I/TCC-22/INF.1.

Documents will be made available on the following website:

[http://www.wmo.ch/pages/prog/www/tcp/RAI\\_TCC-22.html](http://www.wmo.ch/pages/prog/www/tcp/RAI_TCC-22.html)

**1.2. Adoption of the agenda**

The provisional agenda, contained in RA I/TCC-22/Doc.1, will be submitted to the session for adoption. During the session, the order of the agenda may be modified and additional items introduced.

**1.3. Working arrangements for the session**

The working languages will be English and French. The session will be conducted in one Committee. Small working parties may be established, where required, to consider specific subjects and thereby to facilitate the work of the session. It is, however, pointed out that only one team of interpreters will be available. Under this item, the Committee will decide on its working hours and any other arrangements for the session.

**2 REPORT OF THE CHAIRPERSON OF THE COMMITTEE**

The Chairperson of the Committee will present to the session a brief report on the main developments of concern to the Committee since its twenty-first session.

**3 COORDINATION WITHIN THE WMO TROPICAL CYCLONE PROGRAMME**

A document prepared by the Secretariat, including a report on the status of the implementation of the Tropical Cyclone Programme (TCP), will be submitted to the Committee. The document will serve to provide an overview of the whole range of activities being conducted under the programme, including activities in other tropical cyclone areas and of the cooperation between WMO and other organizations. The Committee is requested to review and comment on TCP activities including steps taken for its future plan, taking into consideration policies; guidelines agreed upon by WMO Congress, the Executive Council and WMO Strategic Plan.

## **4 REVIEW OF THE 2015/2016 and 2016/2017 CYCLONE SEASONS**

For the benefit of its Members and in the light of past experience, the Committee is concerned with seeking ways of improving warning services for tropical cyclones and associated phenomena. An item on the review of the 2015/2016 and 2016/2017 cyclone seasons is included therefore in the provisional agenda.

### **4.1 Report of RSMC La Réunion**

The Committee may wish to carry out the review of the 2015/2016 and 2016/2017 seasons based on the report submitted to the session by the Regional Specialized Meteorological Centre (RSMC), La Réunion - Tropical Cyclone Centre.

### **4.2 Reports of Members on significant/notable cyclones of the seasons**

Members who had experienced cyclone passage or incurred damage during the two cyclone seasons are requested to provide reports (preferably in PowerPoint) with particular emphasis on the effectiveness/deficiencies of their national warning system including the operational capacities of the NMHSs. Members are also requested to note if and how the other Members or WMO can assist to solve these deficiencies for subsequent discussion in agenda item 7.

## **5 REVIEW OF THE TROPICAL CYCLONE OPERATIONAL PLAN FOR THE SOUTH-WEST INDIAN OCEAN**

It is proposed that the Committee should carry out a review of the Tropical Cyclone Operational Plan and recommend any changes it may consider necessary. The review would take into account the important role of the RSMC La Réunion and the discussions under agenda item 4. Thus, in addition to an updating of the plan, it is suggested that experiences during the past cyclone seasons and suggestions from Members agreed upon may lead to changes in the arrangements set out in the Operational Plan and improvements in the operational system at regional and national levels.

### **Naming procedure**

Following the Committee agreement regarding the review of the naming procedure (RA I TCC-21, paragraph 5.3 of the final report), a task team comprised of the Director of the RSMC La Réunion and representatives of Madagascar and Mauritius has been established to discuss and develop an alternative cyclone naming procedure.

## **6 REVIEW OF THE TECHNICAL PLAN AND ITS IMPLEMENTATION PROGRAMME**

The Committee's Technical Plan is a statement of its long-term objectives for developing the meteorological observing and telecommunications systems, the issue of bulletins and warnings, climatology, hydrology, disaster prevention and preparedness, assessment of damage, research, training and coordination and cooperation among Members, as related to tropical cyclones.

An overall review will be made of the Technical Plan for the next intersessional period and beyond. Members are requested to provide reports of their activities which were carried out after the previous session, according to the six components of the Technical Plan. Members may offer proposals, based on their activities, for update of the Technical Plan.

## **6.1 Meteorological component**

The review of the meteorological component of the Technical Plan should focus on the requirements, for the sub-regional basic synoptic networks (surface observations, automatic stations, upper-air observations, radar observations and satellite observations) and sub-regional telecommunications systems (collection and transmission of observation and processed data) as well as the related training in meteorology.

The Committee is invited to review the meteorological component of its Technical Plan aiming at improvement of cyclone forecasting and warning services in the region.

## **6.2 Hydrological component**

The Committee will be invited to review the activities implemented at national and regional levels under the hydrological component of its Technical Plan on the basis of information presented by the Secretariat and provided by participants at the session. These activities cover outputs from the SADC-HYCOS Project, the Zambezi Flood Forecasting and Early Warning Project, the Limpopo Flood Forecasting and Warning Project, Southern Africa Region Flash Floods Guidance System (SARFFGS) and the planned integration of SARFFGS and Severe Weather Forecasting Demonstration Project (SWFDP). The Committee will be informed of the relevant activities of the RA I Working Group on Hydrology being undertaken in the region. The Committee may wish to make proposals for the future implementation of this component.

## **6.3 Public Weather Services (PWS) delivery component**

The Committee will be invited to consider the issues related to the effective delivery of forecasts and warning services, including the necessary establishment of dialogue and operational procedures with partners, and the accompanying public education and outreach.

## **6.4 Disaster risk reduction component**

The Committee may wish to review the disaster risk reduction component of its Technical Plan within the framework of the decisions of the Fifteenth World Meteorological Congress and taking into account developments in relation to the International Strategy for Disaster Reduction (ISDR). The Committee will be informed of the outcomes of the Multi-Hazard Early Warning Conference (Cancun, 22-23 May 2017) and the Global Platform for Disaster Risk Reduction (Cancun, 22-26 May 2017). The reports of the Members on the past two cyclone seasons to be considered under agenda item 4 may lead to proposals for corrective measures.

## **6.5 Research**

A document will be provided by the WMO Secretariat to assist the Committee in its deliberations on this item, which should include consideration of measures for strengthening the links between the Committee and the CAS Working Group on Tropical Meteorology Research.

## **6.6 Training**

A document will be submitted to the session providing information in the field of training needed for tropical cyclone activities. The Committee will be informed on the organization of and plans for specialized training courses, workshops and seminars relevant to the Committee's activities. The Committee is invited to make further proposals regarding future requirements of the Members in this field including the need for fellowships. The Committee will be invited to discuss the programme of attachments and the regional training requirements related to tropical cyclones.

## **7 ASSISTANCE REQUIRED FOR THE IMPLEMENTATION OF THE TECHNICAL PLAN AND STRENGTHENING OF THE OPERATIONAL PLAN**

At the session, the Committee will be informed of assistance pertinent to the implementation of the Technical Plan and strengthening of the Operational Plan, which has been provided to some Members since the last session. Details will be given on assistance provided under the Voluntary Cooperation Programme and from regular budget funds of WMO.

During the discussion on this item, the Committee will be invited to review and update the requirements for further assistance and to establish priorities for its eventual approval and delivery. It may wish to consider other potential sources of support to the Committee's programme.

## **8 OTHER MATTERS**

Any items of business requiring the attention of the Committee, but not covered by other agenda items, will be considered, in particular:

### **8.1 Tropical Cyclone (TC) Forecasting competencies**

RSMC La Réunion has circulated a document regarding these TC forecasting competencies. The Committee is invited to discuss further this document and provide recommendations to implement these competencies.

### **8.2 Development of TC impact-based forecasting products**

The Committee will be informed of the EC-68 decision 10: *Enhancing the capability of national meteorological and hydrological services in tropical cyclone and warning services with multi-hazard approach*.

### **8.3 Global Multi-Hazard Alert System (GMAS)**

The Committee will be informed regarding the EC-69 decision.

### **8.4 Storm Surge Watch Scheme**

Since 2012 and the TC landfall on Madagascar eastern coast, RSMC La Réunion provides the Committee's Members with information regarding storm surge. Besides RSMC La Réunion has developed a Storm Surge Atlas valid for all South-West Indian Ocean coastline. This Atlas is as well an operational tool providing maximum storm surge product for a specific TC. The Committee will be informed of the recent progress, and the Members are invited to provide the RSMC with their feedback.

### **8.5 WebCMRS**

Regarding the WebCMRS, a survey has been sent to all the Members in order to gather their comments about this website. The Committee is invited to discuss about the performance of the WebCMRS and provide comments and suggestions for the RSMC to further improve this website.

## **9 SCIENTIFIC LECTURES**

It is proposed that a half day of the session be devoted to scientific lectures. Details of the programme will be announced in due course after consultation with the Chairperson of the Committee.

## **10 DATE AND PLACE OF THE TWENTY-THIRD SESSION**

The Committee may wish to set an appropriate date for its twenty-third session and offers from Members to host the session would be welcomed.

## **11 CLOSURE OF THE SESSION**

WORLD METEOROLOGICAL ORGANIZATION

RA I/TCC-22/ INF. 1  
(19.VI.2017)RA I TROPICAL CYCLONE COMMITTEE  
FOR THE SOUTH-WEST INDIAN OCEAN

TWENTY-SECOND SESSION

MAHE, SEYCHELLES

25 - 29 SEPTEMBER 2017

Original: ENGLISH

**INFORMATION NOTE FOR PARTICIPANTS****1. DATE AND PLACE OF THE SESSION**

The Twenty-second Session of the RA I Tropical Cyclone Committee for the South-West Indian Ocean will take place from 25 to 29 September 2017 in the conference room of the Berjaya Beau Vallon Resort located in Beau Vallon district, Mahé Island, Seychelles, Southwest Indian Ocean.

**2. WORKING LANGUAGES**

The working languages will be English and French, with interpretation services available throughout the duration of this event.

**3. DOCUMENTATION**

The pre-session documents and the provisional reports will be available in English and French. In order to make these documents available in both languages (on the website by 25 August 2017), participants are requested to provide contributions **by 18 July 2017**.

**4. ENTRY/VISA REQUIREMENTS**

There are no visa requirements for entry to Seychelles. However, the following documents must be shown in order to obtain immigration clearance at the Seychelles International Airport:

- A passport valid on the date of entry to and exit from Seychelles,
- Return or onward ticket,
- The individual letter of invitation,
- The confirmation of accommodation; including contact details.

**5. CURRENCY**

The currency used in Seychelles is the Seychelles Rupee (SCR). For your information, the exchange rate was in the order of 1 USD for 13.81 SCR in June 2017.

Participants are advised to come with Euro/Dollar/GBP. Cash dispensers, money exchange bureau, and almost all the restaurants take international credit cards. Participants have to inquire with their bank about the percentage of the taken commissions.

## 6. ACCOMMODATION

Seychelles Meteorological Authority has negotiated rates at 123 EUR/135 USD for a standard single room in Berjaya Beau Vallon Resort to ensure a good value for the accommodation. Wi-Fi is available in all rooms. Double rooms are also available upon request. Please, note that the session will take place in the conference room of this hotel.

### Berjaya Beau Vallon Resort:

PO Box 550 - Victoria - Mahé – Seychelles  
Tel: (+248) 4287 492 | Fax: (+248) 4247 287  
email: [tania.boniface@berjayahotel.com](mailto:tania.boniface@berjayahotel.com)  
website: [www.berjayahotel.com](http://www.berjayahotel.com)

### Negotiated rates TTC (included breakfast):

Single: 123 EUR/135 USD
Double: 144 EUR/158 USD

Seychelles Meteorological Authority can make reservations for participants at the Berjaya Beau Vallon Resort, provided that the information is communicated **before 10 August 2017**.

Participants who prefer to stay in a different hotel other than the Berjaya Beau Vallon Resort **are requested to make their own reservation as soon as possible**. In this case, participants will inform the local coordinator of their choice by means of the aforementioned form.

## 7. TRANSPORTATION FROM THE HOTEL TO THE AIRPORT

Participants will receive complimentary transport from the airport to the hotel and from the hotel to the airport.

## 8. GENERAL INFORMATION ABOUT SEYCHELLES

Seychelles, an archipelago in the [Indian Ocean](#), consists of an estimated 115 islands, most of which are not permanently inhabited. The second-smallest country in Africa, Seychelles has an area of 455 sq km (176 sq mi), of which Mahé, the principal island, comprises 144 sq km (56 sq mi). Comparatively, the area occupied by Seychelles is slightly more than 2.5 times the size of Washington, DC. There are two main clusters: one is a granitic group, centering around Mahé; the other, to the sw, includes the coralline Aldabra Islands and the Farquhar group. Situated about 1,600 km (1,000 mi) off the east coast of Africa, Mahé extends 27 km (17 mi) n–s and 11 km (7 mi) e–w. The capital city of Seychelles, Victoria, is located on the island of Mahé.

Although the Seychelles Islands lie close to the equator, their maritime situation results in coastal temperatures that are fairly constant at about 27°C (81°F) throughout the year. At higher altitudes, temperatures are lower, especially at night. Mean annual rainfall at sea level on Mahé is 236 cm (93 in); in the mountains there may be as much as 356 cm (140 in) a year. On the southwestern coral islands, rainfall is much lower, averaging about 50 cm (20 in) a year on Aldabra. May to October is the relatively dry sunny season; in this period, the southeast monsoon winds bring brief showers every two or three days. The northwest monsoon arrives in December and continues until March, bringing frequent and heavy rain. Humidity is high, especially in the coastal areas.

Primary forest is found only on Praslin and Curieuse islands, northeast of Mahé. On Praslin, native forests of coco-de-mer have been protected in small reserves; its fruit, a huge coconut weighing up to 18 kg (40 lb), is the largest seed in the world and this is the only place where the palm is found growing wild. The most noteworthy animal is the giant tortoise; once very plentiful, the species is now sorely depleted. There is a great variety of bird life including dozens of the world's rarest species, but very few insects.

## 9. LOCAL WEATHER DATA FOR SEPTEMBER

For the period of the training course, the climatological characteristics of Seychelles are as follows:

Daily mean min temperature: 24.5°C	Daily mean monthly precipitation: 156.1 mm
Daily mean max temperature: 29.2°C	Mean number of days of precipitation: 17 days

## 10. OTHER

The electric supply in Seychelles is **240V**.

## 11. ADDRESS OF THE WMO SECRETARIAT AND LOCAL COORDINATOR

For any further questions, please do not hesitate to the WMO Secretariat or the local coordinator at:

<b>World Meteorological Organization (WMO)</b>	<b>Seychelles Meteorological Authority</b>
7bis, avenue de la Paix, Case postale 2300 CH-1211 GENEVE 2, Switzerland	International Airport, P.O. Box 1604, Victoria, Mahé, SEYCHELLES
Attn: Dr Taoyong PENG Tel.: +41 22 730 8145 Fax: +41 22 730 8128 Email: <a href="mailto:TPeng@wmo.int">TPeng@wmo.int</a>	Attn: Mr. Vincent Amelie Tel.: +248 4384352 Fax.: +248 4384369 Email: <a href="mailto:v.amelie@meteo.gov.sc">v.amelie@meteo.gov.sc</a>
With for information to:	With for information to :
Ms Anne-Claire Fontan E- mail: <a href="mailto:acfontan@wmo.int">acfontan@wmo.int</a>	Ms. Rouma Agricole Email: <a href="mailto:r.agricole@meteo.gov.sc">r.agricole@meteo.gov.sc</a>
Ms Catherine Bihute E-mail: <a href="mailto:cbihute@wmo.int">cbihute@wmo.int</a>	Ms. Emma Isnard Email: <a href="mailto:e.isnard@meteo.gov.sc">e.isnard@meteo.gov.sc</a>

TWENTY-SECOND SESSION OF THE RA I TROPICAL CYCLONE  
 COMMITTEE FOR THE SOUTH WEST INDIAN OCEAN  
 (MAHE, SEYCHELLES, 25-29 SEPTEMBER 2017)

NOMINATION FORM

The Government of ..... nominates:

Family Name			Gender : Male <input type="checkbox"/> Female <input type="checkbox"/>
First Name			
Address (Office)			
City – Country			
Telephone	Office +	Home +	
Fax	Office +	Home +	
E-mail			
Date and Place of Birth		Nationality	
Passport No. *		Expiry Date	

\* Please attach a copy of passport

Present position and brief description of current duties:

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.....

Name and address of person to be notified in case of emergency:

.....

.....

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.....

**FINANCIAL ASSISTANCE:**

Please complete if financial assistance is required from WMO to attend the **RA I TCC-22**

YES

☐

NO

☐

.....  
Date

.....  
Signature of Permanent Representative

To be completed and returned by fax + 41-22-730-8021 or by mail,

**On or before 17 July 2017** to:

[tpeng@wmo.int](mailto:tpeng@wmo.int)

with copy to:

[acfontan@wmo.int](mailto:acfontan@wmo.int)

[cbihute@wmo.int](mailto:cbihute@wmo.int)