AWIO20 FMEE 271220
TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

BULLETIN FOR CYCLONIC ACTIVITY AND SIGNIFICANT TROPICAL WEATHER IN THE SOUTHWEST INDIAN OCEAN

DATE: 2018/02/27 AT 1200 UTC

PART 1:
WARNING SUMMARY:

Nil

PART 2 :
TROPICAL WEATHER DISCUSSION:

Convection is scattered within a Monsoon Trough (MT) branch axed near 09S East of 60E, but locally severe in two convergence areas. West of 60E, a new MT branch is building, associated with a more important convective activity.

In the eastern branch, weak circulations may appear, but there are not associated with a cyclogenesis risk due to poor equatorial feeding.

Potential cyclogenesis North-East of Madagascar :

Last observations show a broad ill defined surface trough, around Agalega. Convective activity is concentrated in the southern semi-circle, in the slowing down area of the trade wind flow. No closed circulation is depicted within this area.

Tomorrow, the trade wind flow convergence is expected to increase with the evacuation of the baroclinic low south of Madagascar. With the persistence of a very good upper divergence, a closed circulation is forecast to build, South-South-West of Agalega. The lack of equatorial convergence and a wide structure may at first slow the deepening. But in a very conducive environment this week-end, the intensification rate is likely to increase. A parabolic meridian track is expected due to the absence of a mid-tropospheric ridge at south.

Numerical guidance is in a good agreement to forecast a cyclogenesis over the week-end. Yet, they differ on its exact location and the deepening rate, which induces a lot of uncertainty on a possible threat to inhabited areas.

For the next 5 days, the risk of development of a moderate tropical storm become low on Friday, moderate on Saturday and high on Sunday.

NOTA BENE: The likelihood is an estimate of the chance of the genesis of a moderate tropical storm over the basin and within the next five days:

Very low:	*less than 10%*	*Moderate:*	*30% to 50%*	*Very high:*	*over 90%*
Low:	*10% to 30%*	*High:*	*50% to 90%*		

The Southwestern Indian Ocean basin extends from the equator to 40S and from the african coastlines to 90E.