AWIO20 FMEE 111021
TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 11/10/2025 AT 1200 UTC

PART 1: WARNING SUMMARY

Nil.

PART 2 : TROPICAL WEATHER DISCUSSION

A branch of the Near Equatorial Trench (NET) persists east of 65°E between 3°S and 6°S. Convective activity is weak to moderate in the convergences at the southern and northern edges of the NET.

At the start of the week, a Kelvin wave will propagate ahead of the wet MJO approaching from the west and should cross an equatorial Rossby wave. In this context, one or two low-pressure circulations could emerge from the NET between the centre and east of the basin. Some members of the ensemble model (as well as the deterministic GFS) are proposing a slightly earlier signal, allowing cyclogenesis to set in from the second half of the week. For the moment, this scenario is not being followed and consequently, for the next 5 days, there is no risk of cyclogenesis.

Development of a tropical storm is not expected over the next 5 days.

10-day outlook :
Mid-week, the interaction between a Kelvin wave propagating ahead of the MJO and a Rossby wave towards the centre of the basin should generate an equatorial westerly thrust. At the end of next week, this should lead to a clear increase in vorticity within the NET. Most of the members of the ensemble and deterministic models therefore suggest a risk of cyclogenesis becoming increasingly significant from the weekend of 18th October and the following week between the centre and east of the basin.

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

Very low: less than 10% Moderate: 30% to 60% Very high: over 90%
Low: 10% to 30% High: 60% to 90%

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