



Republic of the Philippines
Department of Education
CARAGA REGION



April 1, 2022

REGIONAL MEMORANDUM

No. 0256, s. 2022

To: SCHOOLS DIVISION SUPERINTENDENTS
This Region

DISSEMINATION OF THE REVISED, MODIFIED, AND UPDATED TYPHOON
CATEGORY, WIND SIGNAL SYSTEM, FORECAST CHART, AND
FORECAST AREAS

1. Effective March 23, 2022, all Schools Division Offices and its Division DRRM Coordinators are hereby informed of the following:

- a) Revised Definition of the Super Typhoon Category
- b) Modified Tropical Cyclone Wind Signal System
- c) Updated Tropical Cyclone Forecast Chart
- d) Changes to the tropical Cyclone Forecast Areas

2. As such, SDOs and schools shall consider these changes in the crafting of their respective disaster preparedness and response-related plans for tropical cyclones and typhoons.

3. Should there be any concerns or further clarification, contact:

VER LANCER D. GALANIDA

Chief Meteorological Officer

PAGASA Butuan Aeromet and Synoptic Station
Butuan Airport, Brgy. Bancasi, Butuan City 8600

pagasabutuanandost@yahoo.com

Office tel. # 815-2205 (PLDT)

Office Mobile # 0945-359-5953 (Globe)

4. For information and guidance.

 **MA. GEMMA MERCADO LEDESMA**
Director IV

Encl/s.: NONE

Reference/s: NONE

To be indicated in the Perpetual Index
under the following subjects:

DRRM TYPHOON

ESS/mpb
04/01/2022

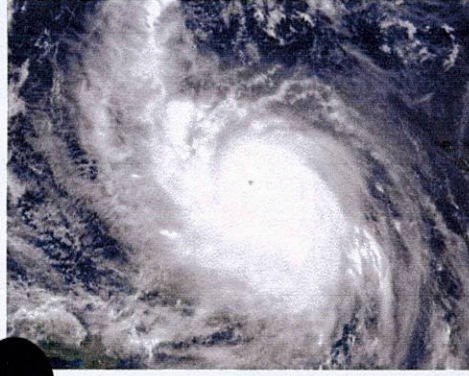
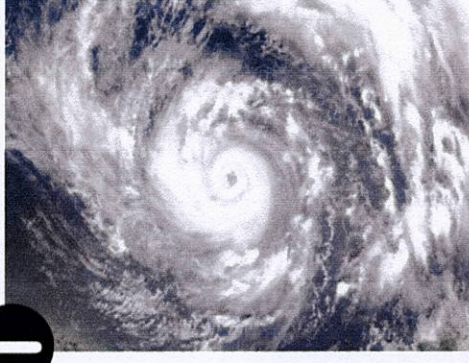
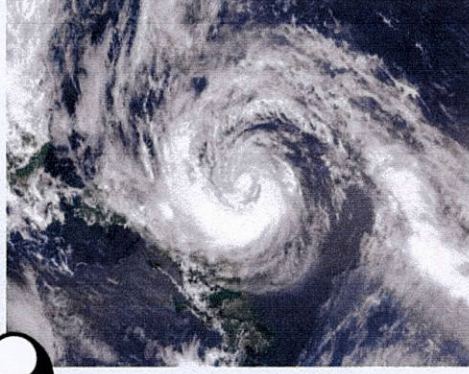
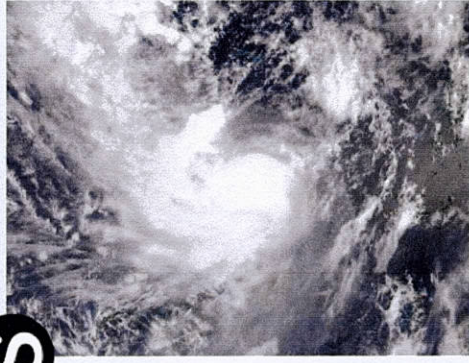
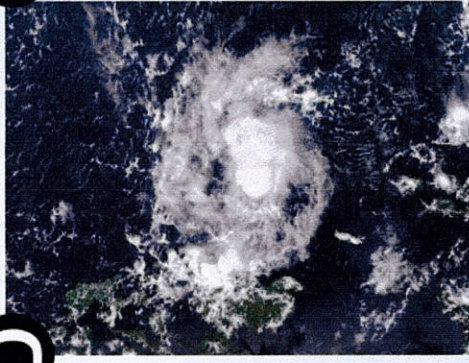


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Tropical Depression (TD)	Tropical Storm (TS)	Severe Tropical Storm (STS)	Typhoon (TY)	Super Typhoon (STY)
Less than 62 km/h Less than 17.2 m/s Less than 34 kt	62-88 km/h 17.2-24.4 m/s 34-47 kt	89-117 km/h 24.5-32.6 m/s 48-63 kt	118-184 km/h 32.7-51.2 m/s 64-99 kt	185 km/h or higher 51.3 m/s or higher 100 kt or higher
Highest TCWS: 1	Highest TCWS: 2	Highest TCWS: 3	Highest TCWS: 4	Highest TCWS: 5
Basis: Tropical Cyclone Programme Report No. TCP-23 / WMO/TD-No. 196: Typhoon Committee Operational Manual (Meteorological Component, 2022 Edition)				Basis: commonly-used threshold of peak typhoon category within the region

Basis: commonly-used threshold of peak typhoon category within the region



Modified Tropical Cyclone Wind Signal (TCWS) System

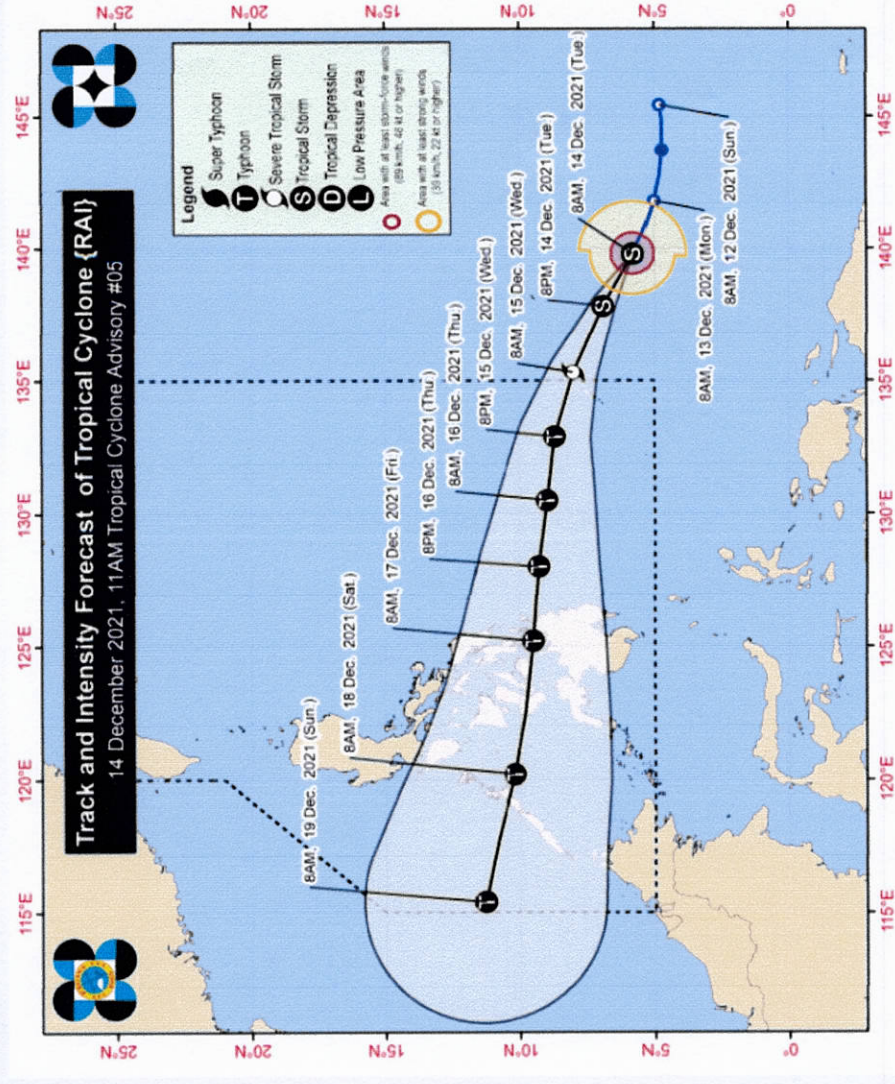
TCWS No.	Wind Threat		Warning Lead Time (Hours before onset of wind threat)	Issued for what TC categories?	Potential Impacts
	Old	New			
1	30-60 km/h	39-61 km/h (Beaufort 6-7) 22-33 kt, 10.8-17.1 m/s	36 hours	TD or higher	Minimal to minor threat to life and property
2	61-120 km/h	62-88 km/h (Beaufort 8-9) 34-47 kt, 17.2-24.4 m/s	24 hours	TS or higher	Minor to moderate threat to life and property
3	121-170 km/h	89-117 km/h (Beaufort 10-11) 48-63 kt, 24.5-32.6 m/s	18 hours	STS or higher	Moderate to significant threat to life and property
4	171-220 km/h	118-184 km/h (Beaufort 12) 64-99 kt, 32.7-51.2 m/s	12 hours	TY or higher	Significant to severe threat to life and property
5	Greater than 220 km/h	185 km/h or higher (Beaufort 12) 100 kt or higher, 51.3 m/s or higher	12 hours	STY	Extreme threat to life and property

Updated Tropical Cyclone Forecast Chart



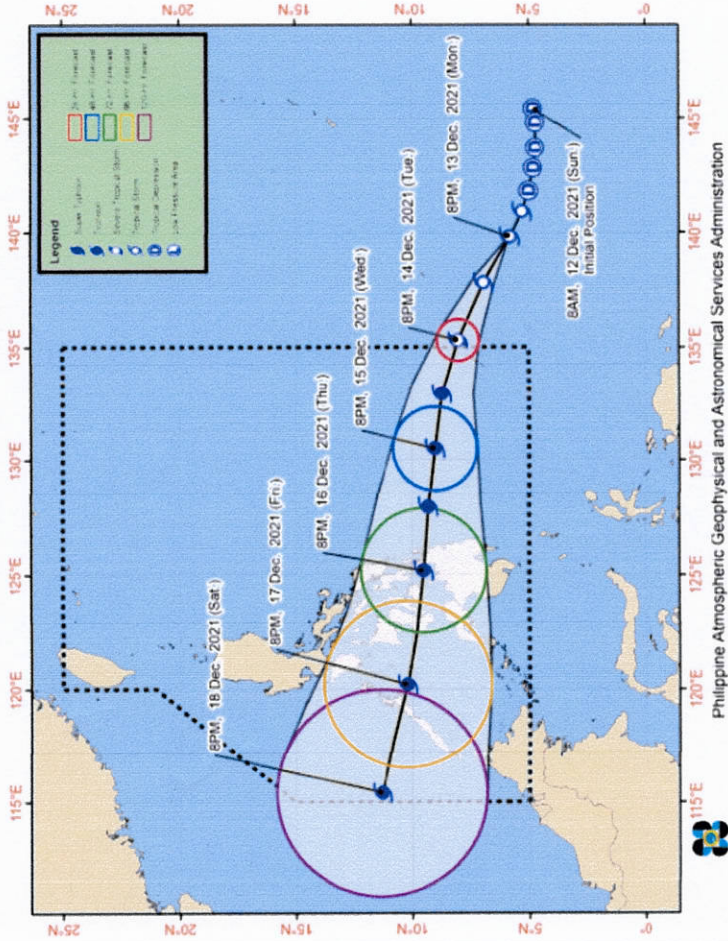
List of Changes

- Improved the depiction of the probability cone.
- Added areas with at least strong winds (yellow-orange region) and at least storm-force winds (maroon region)
- Simplified the observed track segment to ensure that disaster managers and public focus on the track and intensity forecast.
- Placed the agency and DOST logos within the map area to prevent other end-users from cropping the image and using them without proper attribution.
- Added information on what tropical cyclone product the chart is associated with to prevent misuse of the chart.
- Resizing of the probability cone (buffer sizes at each forecast time TBA).

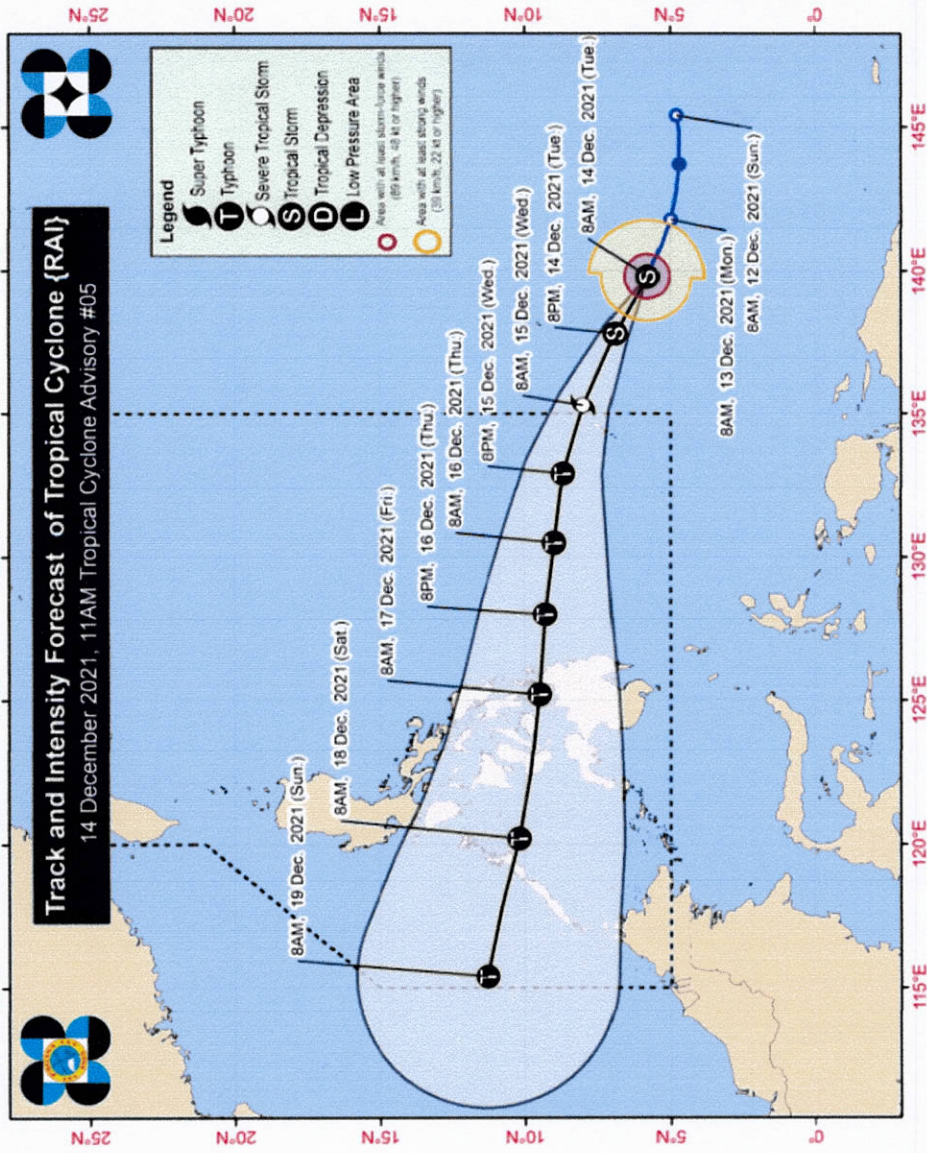


Updated Tropical Cyclone Forecast Chart

Track of Tropical Storm {RAI}

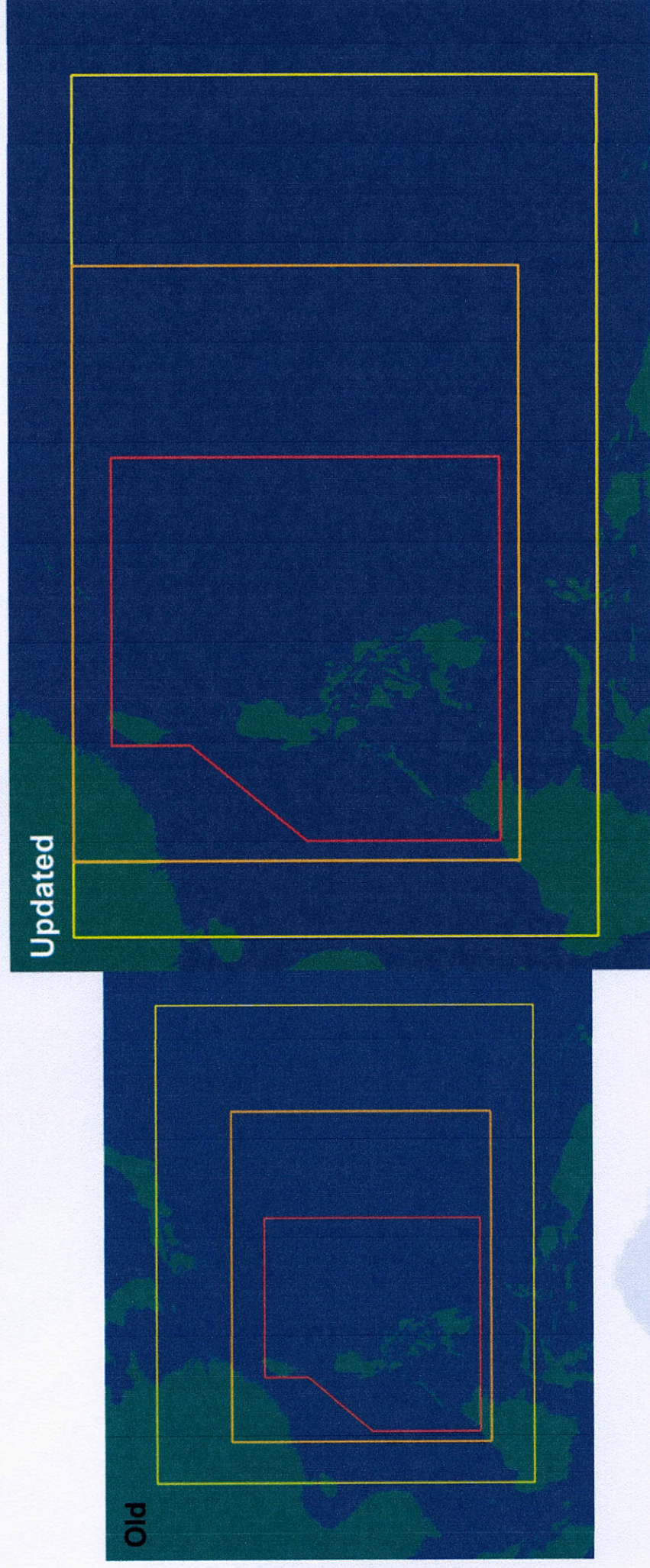


Old Format



New Format

Changes to the Tropical Cyclone Forecast Areas



Northernmost limits of TC Advisory Domain and TC Information Domain were moved southward to **27°N**