

INSTRUCTIONS TO USERS IN CASE OF CYCLONES

The cyclonic risk is real every year between the end of June and the beginning of November (exceptionally at the end of November), the months of August and September being the most favorable to the formation of cyclones likely to interest our zone.

Definition of responsibilities

In the event of a cyclone, the Marina informs its amiable clientele that, in no case, these facilities are provided to deal with a natural phenomenon of such amplitude.

The construction standards for pontoons and moorings comply with the rules in force.

Consequently, customers will not be able to avail themselves of any damage against the Marina, in the event of breakage of mooring due to the action of a cyclone.

Since risk insurance is not compulsory, your attention is drawn to risks incurred as a result of vessels belonging to third parties.

We therefore recommend that you observe and apply the following guidelines:

- ✓ **Keep** your vessel away from the pontoon in order to have a safe distance.
- ✓ **Hit** the mooring lines under the mooring buoy, directly on the chain or shackle.
- ✓ **Double or triple** the lines and, if possible, ensure their elasticity.
- ✓ **Check** the condition of the mooring cleats and bollards, this can be done quickly and ensure that the moorings are in good condition. It is good to redo mooring on strong points (such as mast, winch or windlass).

WARNING !

The rise of water on the moored lines may cause them to break (additional tension). To avoid this risk, the mooring must be struck far from the boat (as horizontally as possible), for this purpose use the buoys located in front or at best the piles of the wharves.

- **Remove** anything on the deck that could cause additional dunnage (sails, boom, bimini, dinghy, survival ...)

For small sailboats and motorboats, remember that the heavy rains accompanying the cyclones can quickly sink the boat. An electric and automatic pump can guard against this danger (check its good working condition).

Attention however to power cut (check the charge of the batteries).

- **Close** all valves, remove sleeves to areas ...

It is strongly advised to contract a cyclone insurance.

For ships staying in the harbor, you must be covered to a minimum for:

- Damage to the works of the Port
- Rebuilding and / or removal of the wreck
- Damage caused to third parties

Triggering these operations

They must be triggered at the latest before the cyclone pre-warning. However, in order to leave free the exit of the boats wishing to leave the Port (see below) no mooring or boat will hinder the exit until H-5. For this, the moorings can, for example be weighted and released in waiting in order to leave the passage.

During the course of operations, we ask you to limit the exchanges on VHF channels 9 and 16 as much as possible.

In all cases, the mooring in front of the refueling station is strictly forbidden.

To inform the yachtsmen about the progress of the cyclone, a permanence is assured during the day, at the Marina's office, which is in permanent connection with the services of Météo France.

**FOR ANY ADDITIONAL INFORMATION OR FURTHER INFORMATION, DO NOT
HESITATE TO CONTACT US TO:**

+596 (0)596 74 83 83 or by e-mail: contact@marina-martinique.fr

CLASSIFICATION OF PERTURBATIONS

Classification in an ascending order of the atmospheric perturbations that undergoes each year the arch of the Lesser Antilles between June and November.

DISTURBANCES	EVENTS	EXPECTABLE DAMAGES
TROPICAL WAVE	Overcast and moderate rain for several hours	None or low
STRONG TROPICAL WAVE	Thunderstorms, strong winds under the grains Risk of heavy and intense rains	Banana trees lying in strong gusts Danger for small craft at sea
CYCLONIC DISTURBANCE	Stormy rainfall zone whose surface winds are organized around a low pressure center	Due to wind, heavy rain, sea, often increasing with the intensity of the disturbance
TROPICAL DEPRESSION	Maximum wind over one minute less than 63 km/h (34 knots) heavy rain sometimes, some strong gusts	Floods are possible depending on the intensity of the rains and therefore possible landslides and dangers at sea for small craft
TROPICAL STORM	Maximum wind per minute between 63km/h and 117km/h (34 and 64 knots) Strong gusts, heavy rains, strong swell	Probable floods, landslides, landslides some damage due to wind; Dangerous for boats at sea and for coastal areas
HURRICANE	Maximum wind over one minute exceeding 117 km / h (64 knots) violent gusts, intense rain - heavy rain, notable cyclonic tides, strong and dangerous swell	Increasing importance of the damage due to the wind with the intensity of the cyclone. Extreme danger to ships at sea and coastal areas, heavy rains.

TABLE OF CYCLONIC ALERTS

Cyclonic Pre-Alert	Orange Alert	Red alert	Backup Phase
Potential threat in the days to come (beyond 24 hours)	Danger within 24 hours	Danger imminent	The cyclone threat is rejected but there are still dangers
Keep informed	Keep informed	Keep informed	Keep informed
Follow weather forecasts and newsletters	All schools and crèches close , but economic activity continues	The changeover to red alert is announced with a 3-hour notice	Do not cross submerged or flooded gullies
Do not undertake sea trips	Take in the objects that the wind can take away	Take advantage of this notice to reach your home or to shelter	All schools and crèches remain closed, but economic activity may resume
Check your reserves (preserves, water, batteries for radio and lamps, medicines ...)	Tuck your animals	After this time. Do not leave under any circumstances	Do not touch grounded electrical wires
If you have kidney or respiratory failure , get closer to your usual health facility	Protect your doors and windows (shutters, boards ...)	Call only if absolutely necessary	Do not overload telephone lines
Do not approach the shore in case of strong swell	Check your reserves (preserves, water, batteries for radio and lamps, medicines ...)	Stay informed	Do not hinder rescue teams
Make sure you know the address and telephone number of the nearest place of residence	Check the address and telephone number of the nearest shelter	Stay calm. Do not panic	Pay attention to the quality of the water you drink. Prefer bottled water, or treat tap water if you have to drink.
Note the useful phone numbers: Samu 15, Firefighters 18, Police and Gendarmerie 17,	Prepare for a possible evacuation	Wait for the red alert to come out and take your vehicle only if the road network is advertised as practicable	Make sure the sea is calm

HURRICANE CLASSIFICATION ACCORDING TO SAFFIR-SIMPSON SCALE GRADUATION

GRADUATION	EVENTS	EXPECTABLE DAMAGE
CLASS 1 (Center pressure 980 / 990hpa)	Maximum winds between 119 and 153 km / h (64 and 80 knots). Rains sometimes torrential, swell strong and dangerous, moderate cyclonic tide less than 1m05, even in exposed places.	Damage to lightweight constructions No significant damage to hard structures
CLASS 2 (Pressure center 965/980)	Maximum winds between 154 and 177 km / h (83 and 95 knots) torrential rains strong swell and long cyclonic tide maximum of 1.5 to 2m on the most exposed sites.	Damaged windows, doors and windows. Significant damage to vegetation. Damaged port facilities. Coastal roads cut 2 to 4 hours before the passage of the center. Embarkations breaking their moorings.
CLASE 3 (Center pressure 945 / 965hpa)	Maximum winds between 178 and 209 km / h (96 and 112 knots) often torrential rains strong and very dangerous swell maximum cyclonic tide of 2 to 3 most exposed places	Considerable damage, destroyed light construction, some damage to the walls of hard structures. Complete flooding of the littoral zones of less than 3 meters of altitude.
CLASS 4 (Center pressure 920 / 945hpa)	Winds between 210 and 249 km / h (113 and 134 knots) torrential rains Surging and very dangerous cyclonic swell Maximum cyclonic tidal from 2 to 4m on the most exposed sites	Considerable damage due to their severity and extent, significant damage to the walls of hard structures, roofs torn off, severe damage to the ground floor of buildings near the coast. Complete flooding of coastal areas less than 4 meters above sea level.