

Early Warning System—Tropical Cyclones (English Version)

The Early Warning System for Tropical Cyclones (SIAT CT) was developed to give us the ability to quantify, systematize, and coordinate our response and to react immediately to the urgent needs of the community, particularly personal safety, food and water supply, and temporary shelter, before a natural disaster is imminent or has already occurred.

Objective of the SIAT CT

To be a mechanism of alert and coordination that in a quantitative way generates an organized response of the National Civil Protection System to the threat of a tropical cyclone, mitigating the effects of this event.

System Summary

TROPICAL CYCLONE APPROCHING... What to do?

Early Warning System
Tropical Cyclones **SIAT - CT**

Identify the five ALERT LEVELS when a tropical cyclone approaches our territory.

In the fourth region comprising the Atlantic Ocean, Caribbean Sea and Gulf of Mexico the cyclonic season is from June to November.

Remember that any color of SIAT, important rainfalls could occur.

<p>The presence of a tropical cyclone moving towards our shores is detected.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <p style="font-size: x-small;">Stay tuned to weather information</p> </div>	<p>1. Minimum hazard</p>
<div style="display: flex; justify-content: space-around; font-size: x-small;"> <div style="text-align: center;"> Prune trees that obstruct electrical cables and others dangerous situations </div> <div style="text-align: center;"> Protect windows with adhesive tape in cross shape and secure objects that may be thrown away by the wind </div> <div style="text-align: center;"> Clean up the roofs, drains, channels and floor drains. Avoid littering </div> </div>	<p>2. Low hazard</p>
<div style="display: flex; justify-content: space-around; font-size: x-small;"> <div style="text-align: center;"> Identify the nearest temporary refuge and the route to get over quickly </div> <div style="text-align: center;"> Store food, drinking water and handy emergency supplies </div> <div style="text-align: center;"> Keep important documents in plastic bags </div> </div>	<p>3. Moderate hazard</p>
<div style="display: flex; justify-content: space-around; font-size: x-small;"> <div style="text-align: center;"> If your home is not safe, leave and get to a shelter </div> <div style="text-align: center;"> If you live near a river or pond, keep watch on the water level </div> <div style="text-align: center;"> Close doors and windows, shut off the gas and electricity supplies </div> </div>	<p>4. High hazard</p>
<div style="display: flex; justify-content: space-around; font-size: x-small;"> <div style="text-align: center;"> Stay away from windows to prevent injury if they break </div> <div style="text-align: center;"> Remain at home or shelter until authorities report that the hazard is over </div> <div style="text-align: center;"> Remain calm and keep yourself informed </div> </div>	<p>5. Maximum hazard</p>

Learn more

National System of Civil Protection www.proteccioncivil.gob.mx

National Meteorological Service www.smn.gob.mx

National Center for Disaster Prevention www.cenapred.gob.mx

Source: National Center for Disaster Prevention

 proteccioncivil.qroo.gob.mx
 [Coordinación Estatal de Protección Civil](https://www.facebook.com/CoordinacionEstataldeProteccionCivil)
 [@ProtCivil_Qroo](https://twitter.com/ProtCivil_Qroo)

Meaning of Colors by Danger

Blue Alert Minimal Danger	Inbound: Watch Outbound: Watch
Green Alert Low Danger	Inbound: Prevention Outbound: Monitor
Yellow Alert Moderate Danger	Inbound: Preparation Outbound: Tracking
Orange Alert High Danger	Inbound: Alarm Outbound: Alarm
Red Alert Maximum Danger	Inbound: Effects Present Outbound: Effects Present

Stages and Actions

The Early Warning System consists of two alert tables, depending on whether the cyclone is approaching an affected area or if it is moving away from an area.

Approach (Inbound) Phase

This phase of the Early Warning System applies when the cyclone is approaching an affected area. These are the five stages of alertness in this table, which are listed below with descriptions and general actions to be taken by both the National Civil Protection System - government authorities, social and private institutions and agencies – and by the community. Each member of the National System will also implement the specific actions that correspond to their areas of geographic and technical expertise.

Escala Safir-Simpson		Tabla de Acercamiento								
		Detección o más de 72 horas	72 a 60 horas	60 a 48 horas	48 a 36 horas	36 a 24 horas	24 a 18 horas	18 a 12 horas	12 a 6 horas	Menos de 6 horas
TORMENTA TROPICAL	0.53 a 0.99									
HURACÁN	1									
	2									
	3									
	4									
	5+									
Etapas:		AVISO	PREVENCIÓN	PREPARACIÓN	ALARMA		AFECTACIÓN			

1. Blue Alert - Watch

The Blue Alert is established when the presence of a tropical cyclone has been detected or when more than 72 hours remain before the cyclone's 34 knot (63 km/h) wind line reaches an affected area. The danger is considered to be minimal. At this stage, bulletins will be issued every 24 hours. The community is expected to:

- Stay informed

2. Green Alert - Prevention

The Green Alert is established when between 24 and 72 hours remain before the cyclone's 34 knot (63 km/h) wind line reaches an affected area, depending on the intensity of the cyclone. The danger is considered to be low. At this stage, bulletins will be issued every 12 hours. The community is expected to:

- Stay informed
- Learn about tropical cyclones and the measures to be taken

3. Yellow Alert - Preparation

The Yellow Alert is established when a between 12 and 60 hours remain before the cyclone's 34 knot (63 km/h) wind line reaches an affected area, depending on the intensity of the cyclone. The danger is considered to be moderate. At this stage, bulletins will be issued every 6 hours. The community is expected to:

- Pay close attention to official information
- Know the location of temporary shelters
- On the high seas, islands, and marine oil installations, comply with navigation instructions and Civil Protection
- Be prepared for a possible evacuation
- Take self-protection measures

4. Orange Alert - Alarm

The Orange Alert is established when between 6 and 36 hours remain before the cyclone's 34 knot (63 km/h) wind line reaches an affected area or impact is imminent. The danger is considered to be high. At this stage, bulletins will be issued every 3 hours. The community is expected to:

- Evacuate at-risk areas
- Follow instructions from the authorities
- Suspend maritime navigation activities
- Suspend marine and coastal recreational activities

5. Red Alert -Effects Present

The Red Alert is established when a tropical is impacting an affected area. The danger is considered to be maximum. At this stage, bulletins will be issued every 3 hours. The community is expected to:

- Seek immediate shelter
- Follow the instructions of the authorities

Withdrawal (Outbound) Phase

This phase of the Early Warning System applies when the cyclone is moving away from an affected area. These are the five stages of alertness in this table, which are listed below with descriptions and general actions to be taken by both the National Civil Protection System - government authorities, social and private institutions and agencies – and by the community. Each member of the National System will also implement the specific actions that correspond to their areas of geographic and technical expertise.

Escala Safir-Simpson		Tabla de Alejamiento								
		0 a 100 km	100 a 150 km	150 a 200 km	200 a 250 km	250 a 300 km	300 a 350 km	350 a 400 km	400 a 500 km	500 a 750 km
TORMENTA TROPICAL	0.53 a 0.99	Red	Orange	Orange	Yellow	Yellow	Green	Green	Green	Blue
HURACÁN	1	Red	Orange	Orange	Yellow	Yellow	Green	Green	Green	Blue
	2	Red	Red	Orange	Yellow	Yellow	Green	Green	Green	Blue
	3	Red	Red	Orange	Orange	Yellow	Yellow	Green	Green	Blue
	4	Red	Red	Red	Orange	Orange	Yellow	Green	Green	Blue
	5+	Red	Red	Red	Red	Orange	Orange	Yellow	Green	Blue
Etapa:		AFECTACIÓN			ALARMA			SEGUIMIENTO	VIGILANCIA	MONITOREO

1. Red Alert -Effects Present

The Red Alert is established immediately after the impact of a tropical cyclone as long as it continues to affect the area directly until begins to move away up to a maximum distance of 250 km. The effects of the cyclone continue to be felt. The danger is considered to be maximum. At this stage, bulletins will be issued every 3 hours. The community is expected to:

- Seek immediate shelter
- Follow the instructions of the authorities

2. Orange Alert - Alarm

The Orange Alert is established when a tropical cyclone moving away reaches a distance of between 100 and 400 km from an affected area, depending on the intensity of the cyclone. The danger is considered to be high. At this stage, bulletins will be issued every 3 hours. The community is expected to:

After Impact

- Remain in shelter until released by authorities
- Follow instructions from the authorities

After Near-Miss

- Follow instructions from the authorities
- Suspend maritime navigation activities
- Suspend marine and coastal recreational activities
- Stay safe

3. Yellow Alert - Tracking

The Orange Alert is established when a tropical cyclone moving away reaches a distance of between 200 and 500 km from an affected area, depending on the intensity of the cyclone. The danger is considered to be moderate. At this stage, bulletins will be issued every 6 hours. The community is expected to:

After Impact

- Heed authorities' instructions
- Review condition of housing. If significantly affected, move to temporary shelter
- Exercise extreme caution with water and food
- Begin clean-up effort

After Near-Miss

- Maintain high level of attention to official information
- On the high seas, islands, and marine oil installations, comply with navigation instructions and Civil Protection
- Stay prepared for possible evacuation
- Continue with self-protection measures

4. Green Alert - Monitor

The Yellow Alert is established when a tropical cyclone moving away reaches a distance of between 350 and 750 km from an affected area, depending on the intensity of the cyclone. The danger is considered to be low. At this stage, bulletins will be issued every 12 hours. The community is expected to:

After Impact

- Follow instructions from the authorities
- Keep out of affected areas and buildings, trees, poles, etc., in danger of falling
- Continue with hygiene measures in water and food

After Near-Miss

- Stay informed

5. Blue Alert - Warning

The Blue Alert is established when a tropical cyclone moving away reaches a distance of at least 750 km from an affected area. The danger is considered to be minimal. At this stage, bulletins will be issued every 24 hours. The community is expected to:

- Stay informed