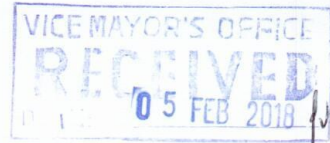




REPUBLIKA NG PILIPINAS
SANGGUNIANG PANLUNGSOD
LUNGSOD NG ORMOC



EXCERPT FROM THE MINUTES OF THE REGULAR SESSION OF THE
FOURTEENTH SANGGUNIANG PANLUNGSOD NG ORMOC HELD
AT THE SANGGUNIANG PANLUNGSOD SESSION HALL,
ORMOC CITY HALL BUILDING
ON FEBRUARY 01, 2018

PRESENT:

Leo Carmelo L. Locsin, Jr.,	Vice Mayor & Presiding Officer
Rolando M. Villasencio,	SP Member, Majority Floor Leader
Vincent L. Rama,	SP Member, Asst. Majority Floor Leader
Mario M. Rodriguez,	SP Member, Presiding Officer "Pro-Tempore"
Tomas R. Serafica,	SP Member
Benjamin S. Pongos, Jr.,	SP Member
Eusebio Gerardo S. Penserga,	SP Member
Gregorio G. Yrastorza III,	SP Member
Nolito M. Quilang,	SP Member
John Eulalio Nepomuceno O. Aparis II,	SP Member
	Minority Floor Leader
Lea Doris C. Villar,	SP Member, Asst. Minority Floor Leader

ON OFFICIAL BUSINESS:

Mariano Y. Corro, (OIC - City Mayor), Ex-Officio SP Member
Chapter President, Liga ng mga Barangay ng Ormoc

RESOLUTION NO. 2018-024

**A RESOLUTION ADOPTING THE OPERATION PROTOCOL OF
THE CITY-WIDE EARLY WARNING SIREN (WAILING
DEVICE).**

WHEREAS, the City Disaster Risk Reduction and Management Office submitted to the 14th Sangguniang Panlungsod ng Ormoc the Operation Protocol of the City-Wide Early Warning Siren (Wailing Device), a copy of which is hereto attached as an integral part of this Resolution;

WHEREAS, the City of Ormoc recognizes the threat that natural hazards pose to people and property within our community;

WHEREAS, undertaking hazard mitigation actions will reduce the potential for harm to people and property from future hazard occurrences;

WHEREAS, the City Of Ormoc possess an outdoor warning system capable of providing an audible alert to the community;

WHEREAS, the use of an outdoor warning system during severe weather provides a way to communicate that "urgent attention is needed" to the community;

WHEREAS, the City of Ormoc desires to maximize its ability to ensure for the safety and security of its community;

WHEREAS, the adoption of this protocol authorizes responsible agencies to carry out their responsibilities under the plan;

Res. No. 2018-024

WHEREFORE, on motion of the SP Member Eusebio Gerardo S. Penserga, Chairman, Committee on Public Safety, severally seconded by SP Members Mario M. Rodriguez, Tomas R. Serafica and John Eulalio Nepomuceno O. Aparis II; be it


RESOLVED, AS IT IS HEREBY RESOLVED, to pass a RESOLUTION ADOPTING THE OPERATION PROTOCOL OF THE CITY-WIDE EARLY WARNING SIREN (WAILING DEVICE);

ADOPTED, February 01, 2018.

RESOLVED, FURTHER, to furnish copies of this resolution each to the City Mayor of Ormoc Richard I. Gomez; the City Administrator, Mr. Vincent L. Emnas; the Head, City Disaster Risk Reduction Management Office, Mr. Ciriaco E. Tolibao, II; the OIC-City Director, DILG; and other offices concerned;

CARRIED UNANIMOUSLY.

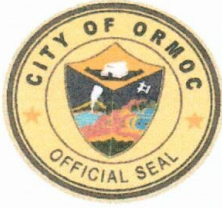
I HEREBY CERTIFY to the correctness of the foregoing resolution.


MARIA ANTONIETA G. CO HAT
(OIC – SP Secretary)
Supervising Administrative Officer

ATTESTED:


LEO CARMELO L. LOCSIN, JR.
Vice Mayor & Presiding Officer

NEW



Republic of the Philippines
City Disaster Risk Reduction & Management Council
CITY DISASTER RISK REDUCTION & MANAGEMENT OFFICE
Ormoc City

OPERATION PROTOCOL

OF THE CITY-WIDE EARLY-WARNING SIREN (WAILING DEVICE)

PROJECT SENTINEL

1

City wide Early Warning System Operation Protocol

I – Rationale

The passage of Republic Act 10121 otherwise known as the Philippine Disaster Risk Reduction & Management Act of 2010 transform the Philippine disaster management system from a reactive to the pro-active approach. Disaster management focus has now shifted to reducing the risk due to exposure and vulnerability by enhancing the capability especially in preparedness and response.

Early warning is a major element of disaster risk reduction. It prevents loss of life and reduces the economic and material impact of disasters. To be effective, early warning systems need to actively involve the communities at risk and facilitate regular public education and awareness of risks, effectively disseminate messages and warnings (thru an effective warning devices) and ensure there is constant state of preparedness

Sirens are used as part of an integrated warning system that links sirens with other warning media, such as the radio and TV Emergency Alert System, NOAA/PAGASA Weather Broadcast, telephone alerting systems, etc,.. This integrated approach enhances the credibility of warnings and reduces the risk of their being dismissed as false alarms by corroborating the warning messages through multiple media.

A civil defense siren (also known as an air-raid siren or tornado siren) is a siren used to provide emergency population warning of approaching danger and sometimes to indicate when the danger has passed. Some are also used to call the volunteer fire department to go fight a fire. Initially designed to warn of air raids in World War II, they were adapted to warn of nuclear attack and also to warn the general public of approaching natural destructive weather patterns such as tornadoes and typhoons to facilitate pre-emptive evacuation of the population at risk.

On this premise, the local government unit of Ormoc thru the City Disaster Risk Reduction & Management Office has initiated a program of having a city wide early warning system using an outdoor omni-directional warning siren to be able to warn residents of any impending emergencies or disaster that may occur or have already occurred (as in the case of earthquakes). Warnings must reach all those population at risk thru a clear message to enable proper responses that will help safeguards lives and livelihoods.

Project Sentinel Operation Protocol

For the effective and efficient operation of the citywide warning system also called "Project Sentinel" this siren system operation protocol are hereby promulgated. The use of pre-identified alarm sounds ensures familiarity of corresponding alarm sounds and reinforces the warning message.

II. - SIREN SIGNAL AND MEANING

To achieve consistent siren signals for Time Alerts, Inclement Weather, Flood and other forms of imminent danger disaster warning to the general public in Ormoc City the following operation protocol are hereby adopted.

- NORMAL TIME/CONDITION:

During normal conditions, the siren will be activated on regular time schedule to act as time alert for city residents and also to inform the general public that everything is normal. This is also to highlight and make people aware of the normal time alarm schedule of the siren so that if ever it sounds-off beyond the regular time schedule or the sound is different or of longer duration than normal then it is a signal that something is happening or signals an alert status.

Regular Time Schedule for Normal Times Siren (Steady Tone)

- 7:00H
- 12:00H
- 17:00H
- Duration : 30 seconds
- Alert Tone : Steady Tone
- Days : Daily

- DURING EMERGENCY:

Activation or triggering the Siren beyond its regular time schedule or longer time than the regular time duration indicates abnormal conditions or emergency therefore timely and appropriate action is needed by the public. It means declaration of warning and/or alert to the public for incoming HAZARD. This includes ongoing fire, terrorism or any other incidents that could trigger mass casualty incidents.

Alarm signal during inclement weather would prompt people to take necessary preparations like keeping their houses safe and secure and also prepare emergency kits. This would also signal the implementation of pre-emptive evacuation for residents in high risk areas.

- **COMMEMORATION and/or CITY SPECIAL EVENTS:**

- The Alert Tone (Steady Tone) may also be used for the following commemorative event.
 - November 5, 1991 Flash Flood
 - November 8, 2013 Super Typhoon Yolanda
- Duration : 60 seconds
- Time : 8:00 o'clock in the morning
- Any other special city events: Written approval from the mayor and information dissemination must be done beforehand

HAZARD ALERT:

1. **Typhoon:** Upon broadcast from any appropriate Government Agencies of any weather disturbance that may affect the locality, the siren shall be activated upon Declaration of Public Storm Signal Warning regardless of the signal number.
 - Public Storm Signal Warning
 - i. 36 Hours prior to typhoon landfall.
 - ii. Type of Tone: Alert Tone (Steady Tone)
 - iii. Duration: Full 3 minutes
 - iv. Repetitions: 4 times / 24 hours (05:00H,07:00H,17:00H,19:00H)
2. **Earthquake:** For the alarm after the onset on an Earthquake. The siren shall be activated upon the registration of Intensity $\geq V$ on the PhilVolcs Earthquake Intensity Meter.
 - i. The Civil Defense Siren shall be activated after the onset of Earthquake with an intensity of $\geq V$. The alarm indicates evacuation on personnel from high rise structures and alert to all nearby costal barangays.
 - ii. Type of Tone: Attack Tone (6 Sec Up/5 Sec Down)
 - iii. Duration: Full 3 minutes
 - iv. Repetitions: as needed
3. **Fire:** The siren could also warn the general population for the presence of a fire hazard. The siren shall be sound upon the declaration of a General Fire Alarm by the Bureau of Fire Department (BFP).
 - General Fire Alarm
 - i. Upon Declaration of General Fire Alarm by the Bureau of Fire Protection.
 - ii. Type of Tone: Attack Tone (Wailing Tone)
 - iii. Duration: Full 3 minutes
 - iv. Repetitions: as needed

4. **Inclement Weather Condition:** The sounding of alarm during inclement weather condition shall be based upon the recommendation of the City Disaster Risk Reduction and Management Officer and approval of City Mayor as its Chairman and in his absence, the City vice Mayor or the City Administrator.

Siren activation during inclement weather condition upon shall mean heavy rainfall with high possibility of flooding or landslide.

- i. Type of Tone: Alert Tone (Steady Tone)
- ii. Duration: Full 3 minutes
- iii. Repetitions: as needed

IV. - SIREN OPERATION, CLEARANCE AND MAINTENANCE

The CDRRM Office shall be the designated office in charge in the activation/triggering of the Siren System during normal regular operations. But in case the alarm system needs to be triggered due to any emergency or conditions as cited above, prior clearance of approval must be issued by the CDRRM Council or by any of the following official : 1. The City Mayor; 2. City Vice Mayor ; 3. City Administrator. Clearance could either be in written form or oral order.

The City General Services Office (GSO) shall be the office in charge of the maintenance of the equipment.

VI. DESCRIPTION OF THE CITY SIREN SYSTEM :

The city Outdoor Warning Siren is Omni-Directional type so that the siren decibel output is directed 360 degrees around the siren all the time and create no gaps in signal coverage. The coverage or distance that the siren could still heard clearly is up to 5 kilometres from its signal source at the New Ormoc City Hall Building rooftop, but sometimes prevailing weather conditions caused fluctuations of the signal strength. The siren system have also a lifetime service warranty from the supplier. It also has a back-up power up to 30 minutes activation time in case of a grid power failure. The tower system where the siren is installed is capable of withstanding air gustiness of up to 200 km./hour.



Fig. 1 Sample Illustration of the Siren Signal Coverage



Fig.2 - Siren Installation at New Ormoc City Hall Rooftop

Prepared By :

FRANCIS H. OMEGA
LDRM Officer I
Operations & Warning

APPROVED :

RICHARD I. GOMEZ
City Mayor

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City wide Early Warning System Operation Protocol