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## List of Acronyms

ACT	Area Command Team
AFP	Armed Forces of the Philippines
BAI	Bureau of Animal Industry
BFP	Bureau of Fire Protection
BI	Bureau of Immigration
BJMP	Bureau of Jail Management and Penology
BOQ	Bureau of Quarantine
BuCor	Bureau of Corrections
CAAP	Civil Aviation Authority of the Philippines
CALABARZON	Cavite, Laguna, Batangas, Rizal, Quezon
CHED	Commission on Higher Education
CNDR	Corporate Network for Disaster Response
CSC	Civil Service Commission
CSO	Civil Society Organization
DA	Department of Agriculture
DENR	Department of Environment and Natural Resources
DFA	Department of Foreign Affairs
DepEd	Department of Education
DICT	Department of Information and Communication Technology
DILG	Department of the Interior and Local Government
DND	Department of National Defense
DOE	Department of Energy
DOH	Department of Health
DOJ	Department of Justice
DOLE	Department of Labor and Employment
DOST	Department of Science and Technology
DOT	Department of Tourism
DOTr	Department of Transportation
DPWH	Department of Public Works and Highways
DRRMC	Disaster Risk Reduction and Management Council
DSWD	Department of Social Welfare and Development
DTI	Department of Trade and Industry
EiE	Education in Emergency
EOC	Emergency Operations Center
FAO	Food and Agriculture Organization
Hazmat	Hazardous materials
HCT	Humanitarian Country Team
ICS	Incident Command System
IC	Incident Commander
IMT	Incident Management Team
IOM	International Organization for Migration
JICA	Japan International Cooperation Agency
LGU	Local Government Unit
LDRRMC	Local Disaster Risk Reduction and Management Council
LWUA	Local Water Utilities Administration
MCIAA	Mactan–Cebu International Airport Authority
MDM	Management of the Dead and Missing
MHPSS	Mental Health and Psychosocial Support

MIAA	Manila International Airport Authority
MMEIRS	Metro Manila Earthquake Impact Reduction Study
MMDA	Metro Manila Development Authority
MMDRRMC	Metro Manila Disaster Risk Reduction and Management Council
MSEE	Minimum Standard in Education Emergency
NBI	National Bureau of Investigation
NCR	National Capital Region
NDRRMC	National Disaster Risk Reduction and Management Council
NDRP	National Disaster Response Plan
NICA	National Intelligence Coordinating Agency
NIE	Nutrition in Emergencies
NEA	National Electrification Administration
NFA	National Food Authority
NGCP	National Grid Corporation of the Philippines
NNC	National Nutrition Council
NSC	National Security Council
NTC	National Telecommunications Commission
OCD	Office of Civil Defense
OPAPP	Office of the Presidential Adviser on the Peace Process
PCG	Philippine Coast Guard
PEZA	Philippine Economic Zone Authority
PHIVOLCS	Philippine Institute of Volcanology and Seismology
PIA	Philippine Information Agency
PMS	Presidential Management Staff
PNP	Philippine National Police
PRC	Philippine Red Cross
PSA	Philippine Statistics Authority
RAP	Risk Assessment Project
RDRRMC	Regional Disaster Risk Reduction and Management Council
SRR	Search, Rescue and Retrieval
TWG	Technical Working Group
UNICEF	United Nations Children's Fund
WASH	Water, Sanitation and Hygiene
WFP	World Food Programme
WVF	West Valley Fault

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# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## CHAPTER I. BACKGROUND

### A. Introduction

Metro Manila is the National Capital Region (NCR) of the Philippines. Located at the south-western portion of Luzon and directly below Central Luzon, its territory extends eastward and up the rolling hills of Marikina Valley and stops short at the low-lying edges of Rizal Province.

The political and administrative boundaries of Metro Manila have not changed since its formation in 1975, under the Presidential Decree No. 824. Under the decree, Metro Manila is composed of Quezon City, Caloocan City, Pasig City, Valenzuela City, Parañaque city, Taguig City, Muntinlupa City, Las Piñas City, Malabon City, Manila, Marikina City, Makati City, Pasay City, Mandaluyong City, Navotas City, San Juan City, and the Municipality of Pateros. The region has a total land area of 63,000 hectares, more than half of which are classified as residential/commercial. Among the cities in Metro Manila, Quezon City occupies the largest land area with 17,171 hectares while San Juan City has the smallest land area that occupies 595 hectares.

According to the Philippine Statistics Authority (PSA), the total population of NCR is 12,877,253 as of 01 August 2015. Breakdown of population is as follows based on the 2015 Census:

<b>Highly Urbanized Cities and Municipality in Metro Manila</b>	<b>Population (in thousands)</b>
Manila City	1,780
Mandaluyong City	386
Marikina City	451
Pasig City	755
Quezon City	2,936
San Juan City	122
Caloocan City	1,584
Malabon City	366
Navotas City	249
Valenzuela City	620
Las Piñas City	589
Makati City	583
Muntinlupa City	505
Parañaque City	666
Pasay City	417
Taguig City	805
Pateros Municipality	64

*Table 1: Population of Highly Urbanized Cities and Municipality in Metro Manila*

## HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

Based on its geological features, NCR is subdivided into four (4) zones: the Coastal Margin, the Guadalupe Plateau, the Marikina Valley, and the Laguna Lowlands. According to the Modified Coronas Classification, Metro Manila's climate is categorized as Type I, having two (2) pronounced seasons: dry from November to April and wet during the rest of the year. Maximum rain period is from June to September.

Central Luzon, or Region III, is composed of seven (7) provinces: Aurora, Bataan, Bulacan, Nueva Ecija, Pampanga, Tarlac, and Zambales. Its territory lies between the area north of Manila Bay from the tip of Bataan peninsula on the west, and all the lands north of Caraballo Mountain. Vast lowlands occupy this region, hence, it is also named as Central Plains of Luzon. It is further called the Rice Granary of the Philippines because of its production of one third of the country's total rice production.

The population of Central Luzon is approximately 11,218,177 as of 01 August 2015. Breakdown is as follows based on the 2015 Census by the PSA:

<b>Provinces and Highly Urbanized Cities in Central Luzon</b>	<b>Population (in thousands)</b>
Aurora	214
Bataan	761
Bulacan	3,292
Nueva Ecija	2,151
Pampanga (excluding Angeles City)	2,151
Angeles City	412
Tarlac	1,366
Zambales (excluding Olongapo City)	591
Olongapo City	233

*Table 2: Population of Provinces and Highly Urbanized Cities in Central Luzon*

The region covers a total land area of 2,147,036 hectares; 1,204,649 hectares of which are alienable and disposable lands and 942,387 hectares are forest. Central Luzon is rich in timber and mineral resources and it accounts for the third largest agriculture production in the Philippines.

CALABARZON, or Region IVA, is located in the south-western part of the island of Luzon and has a total land area of 16,560 square kilometers. The region is also one of the country's leading regions for economic investment and growth with five (5) provinces namely: Cavite, Laguna, Batangas, Rizal, and Quezon.

## HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

The total population of the CALABARZON is 14,414,774 as of 01 August 2015, the largest population in the country surpassing the NCR. Breakdown is as follows based on the 2015 Census by the PSA:

<b>Provinces and Highly Urbanized City in CALABARZON</b>	<b>Population (in thousands)</b>
Batangas	2,694
Cavite	3,678
Laguna	3,035
Quezon (excluding Lucena City)	1,857
Lucena City	266
Rizal	2,884

*Table 3: Population of Provinces and Highly Urbanized City in CALABARZON*

The region consists of two (2) of the ten (10) major lakes in the Philippines: Laguna de Bay, the largest freshwater lake in the Philippines with an area of 90,000 hectares, and the Taal Lake in Batangas, with an area of 23,400 hectares. Laguna de Bay supports the agriculture industry, recreation, and ecosystem services. The Hydroelectric Power Station located in Laguna also produces 600 megawatts of electricity.

The region experiences all four (4) types of climate: Type I or two pronounced seasons, dry from November to April and wet during the rest of the year; Type II has no dry season with very pronounced rainfall from November to April and wet during the rest of the year; Type III has seasons that are not very pronounced, relatively dry from November to April and wet during the rest of the year; and Type IV where rainfall is more or less evenly distributed throughout the year.

### **B. Hazard Identification**

The Philippines, situated along the Pacific Ring of Fire and the Typhoon Belt, is prone to natural hazards such as typhoons, earthquake, fire, storm surge, and volcanic eruptions. Human-induced hazards such as crimes, terrorism, and bombing also threaten the lives of the communities.

Given such disaster risk profile of the country, several major disasters have occurred in various parts of the country, including Metro Manila, Central Luzon and CALABARZON. The occurrence of disasters can be attributed to some of the common hazards frequently existing in the region. The identification of hazards was based on consultations and discussions with representatives from the Metro Manila, Central Luzon, and CALABARZON:

## HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

REGION	COMMON HAZARDS
Metro Manila	Earthquake Fire Flood Typhoon Terrorist attacks Vehicular accidents Industrial accidents
Central Luzon	Earthquake Fire Flood Typhoon Volcanic eruption Landslide Terrorist attacks Vehicular accidents
CALABARZON	Earthquake Fire Flood Typhoon Volcanic eruption Landslides Terrorist attacks Vehicular accidents Industrial accidents

*Table 4: List of Common Hazards in Metro Manila, Central Luzon and CALABARZON*

### **C. Hazard to Plan for: Earthquake**

For this contingency plan, the hazard to plan for is earthquake. According to the Annual Report by the Philippine Institute of Volcanology and Seismology (PHIVOLCS) in 2017, six (6) damaging earthquakes hit the country commencing with the magnitude 6.7 earthquake in Surigao del Norte on 10 February. A series of earthquakes were recorded in Mabini, Batangas Province from April to August 2017. A major event in the earthquake swarms had a magnitude of 5.5 on 04 April. Two (2) more strong earthquakes occurred on 08 April, the first with magnitude 5.6, succeeded by another with magnitude 6.0. On 12 April, a magnitude 6.0 earthquake occurred with epicenter near Wao, Lanao del Sur. On the 29<sup>th</sup> of the same month, a magnitude 7.2 earthquake happened offshore of Sarangani, Davao Occidental. On 25 May, a magnitude 5.4 earthquake happened near the vicinity of San Marcelino, Zambales. Lastly, Ormoc City, Leyte and vicinity were shaken by the magnitude 6.5 earthquake on 06 July (PHIVOLCS Annual Report, 2017<sup>1</sup>). The strong ground shaking subsequently caused liquefaction, earthquake-induced landslides, and

<sup>1</sup> PHIVOLCS Annual Report 2017 can be accessed at <https://drive.google.com/file/d/1-kq1u8jq1cVSW49SfLNk5gQe0SaUONxE/view>

## HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

damages to buildings and other infrastructures. Areas transected by the active faults that moved and generated the earthquakes were also affected by ground rupture.

The table below displays the analysis of earthquake as a natural hazard, based on consultations and discussions with technical experts from PHIVOLCS and various representatives from the member agencies of the National Disaster Risk Reduction and Management Council (NDRRMC):

<b>ROOT CAUSE</b>	<b>EARLY WARNING SIGNS</b>	<b>EFFECTS</b>	<b>EXAMPLES OF EXISTING MITIGATING MEASURES</b>
Movement of earthquake generators (faults and trenches)	NONE	Ground shaking Ground rupture Liquefaction Earthquake-induced landslide Tsunami Collapsed structure Fire Hazardous materials (hazmat) incidents Industry-related explosion	Implementation of building design standards Assessment of structural integrity of buildings and facilities Conduct of structural retrofitting Relocation of communities to areas safe from earthquake hazards

*Table 5: Root Causes, Early Warning Signs, Effects and Existing Mitigating Measures for Earthquake*

The Philippines being situated along the Pacific Ring of Fire is at risk to earthquakes generally caused by the movement of active faults and trenches. Many earthquake generators are distributed all over the country including the Philippine Fault, Manila Trench, Philippine Trench, Negros Trench, Cotabato Trench and Sulu Trench. Specifically, Metro Manila is located in Luzon Island between Manila Bay which extends to the West Philippine Sea, and Laguna de Bay.

There are no known early warning signs for earthquake. Once a large earthquake occurs, it could lead to disaster because of the consequent natural hazards such as ground shaking, ground rupture, liquefaction, earthquake-induced landslide, and tsunami. The occurrence of earthquake can also trigger other secondary hazards such as fires, explosions, hazardous materials incidents, which could lead to massive loss of lives, damages to properties, and collapse of structures.

Presently, mitigating measures are being undertaken by the NDRRMC, local government and other stakeholders. These include implementation of building design standards, assessment of structural integrity of buildings and facilities, conduct of structural retrofitting, and relocation of communities located within high risk areas into safe areas.

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## D. Scenario

The Harmonized National Contingency Plan is intended for the magnitude 7.2 earthquake scenario resulting from the movement of the West Valley Fault (WVF). The scenario may yield a PHIVOLCS Earthquake Intensity Scale (PEIS) of VIII that will affect not only Metro Manila, but also the nearby regions of Central Luzon and CALABARZON.

For a brief background, the WVF scenario is derived from the results of the Metro Manila Earthquake Impact Reduction Study<sup>2</sup> (MMEIRS) conducted by PHIVOLCS, Metro Manila Development Authority (MMDA), and the Japan International Cooperation Agency (JICA) from August 2002 to March 2004. According to the said study, there are 18 earthquake scenarios that may affect Metro Manila and the vicinity. The projected impacts of the WVF earthquake were updated and enhanced in the Greater Metro Manila Area (GMMA) Risk Analysis Project (RAP) in 2013.

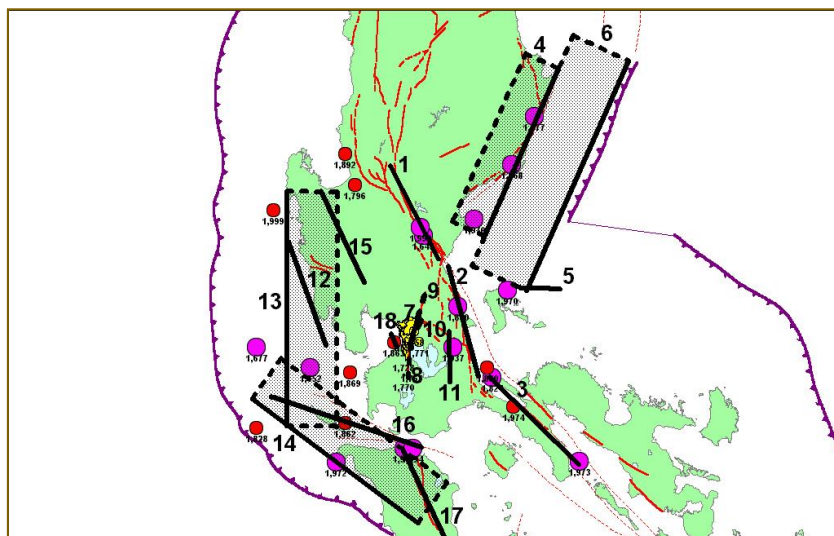


Diagram 1: Map of the 18 Earthquake Scenarios based on MMEIRS

Specifically, the worst case scenarios identified in the MMEIRS are:

1. **SCENARIO 8:** Generated by the WVF, causing a 7.2 magnitude earthquake and leading to severe damage in Metro Manila
2. **SCENARIO 13:** Generated by the Manila Trench, causing a 7.9 magnitude earthquake and leading to the occurrence of tsunami

For this contingency plan, the focus is on the movement of the WVF. The WVF moved four (4) times and generated strong earthquakes within the last 1400 years.

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<sup>2</sup> The NDRRMC is currently developing the Greater Metro Manila Earthquake Impact Reduction Study (GMMEIRS) to update the risk assessment findings and status of action points indicated in the MMEIRS.

## HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

The approximate return period of these earthquakes is between 400 to 600 years and no large event along the West Valley Fault is known after 17<sup>th</sup> century.

Below are the scenarios that can possibly occur should there be WVF movement:

SITUATIONS	BAD SCENARIO	WORSE SCENARIO	WORST SCENARIO
<b>Description</b>	The WVF moved with a magnitude of 5.0 – 5.9 and/or intensity VI	The WVF moved with a magnitude of 6.0 – 6.9 and/or intensity VII	The WVF moved with a magnitude of more than or equal to 7.0 and/or intensity VIII and higher
<b>Impacts on Human Lives</b>	Fatalities: Around 1,000 Injuries: Around 3,000	Fatalities: Around 5,000 Injuries: Around 10,000	Fatalities: Around 52,000 Injuries: Around 700,000
<b>Impacts on Human Lives</b>	Very old or poorly built houses and man-made structures are slightly damaged though well-built structures are not affected. Wall plaster may crack.  Heavy objects or furniture move or may be shifted.	Old or poorly-built structures suffer considerably damage. Some well-built structures are slightly damaged. Some cracks may appear on dikes, fish ponds, road surface, or concrete hollow block walls.  Heavy objects and furniture overturn or topple.	Most buildings are totally damaged. Bridges and elevated concrete structures are toppled or destroyed. Water sewer pipes are bent, twisted or broken.
	Trees and utility posts are noticeably shaken	Trees and utility posts are shaken strongly.	Numerous trees and utility posts are tilted, toppled or broken.
	Limited rockfalls and rolling boulders occur in hilly to mountainous areas and escarpments.	Limited liquefaction, lateral spreading and landslides are observed.	Landslides and liquefaction with lateral spreadings and sandboils are widespread. The ground is distorted into undulations. Boulders are commonly thrown out. River water splashes violently on slopes over dikes and banks.
	All roads and bridges remain passable	50% of roads and bridges are not passable	80% of roads and bridges are not passable  Concrete dikes and foundation of bridges are destroyed by ground settling or toppling. Railway tracks are bent or broken.
	Power and communication facilities remain operational	50% of power, energy and communication facilities are no longer operational	80% of power, energy and communication facilities are no longer operational
	No outbreak of hazmat	Outbreaks of fire and hazmat incidents in some areas in Metro Manila.	Outbreaks of fire and hazmat incidents occurred in most areas in Metro Manila, Central Luzon and CALABARZON.
<b>Response Capabilities</b>	Local capacities are still functional in Metro Manila, Central Luzon, and CALABARZON	Around 70% of manpower and equipment of Metro Manila, Central Luzon and CALABARZON can still be mobilized for response.	Even the response groups in Metro Manila, Central Luzon, and CALABARZON are victims. They have limited capacity to respond within their respective areas for the early days of response operations.

Table 6: Indicators of Bad, Worse and Worst Scenarios for the Earthquake due to the WVF Movement



# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

MMEIRS further projects the regional separation within Metro Manila that will result due to pile up of debris, collapse of major transportation roads and bridges, and widespread fire. The roads crossing or passing through the high vulnerable areas are with a high probability of being impassable.

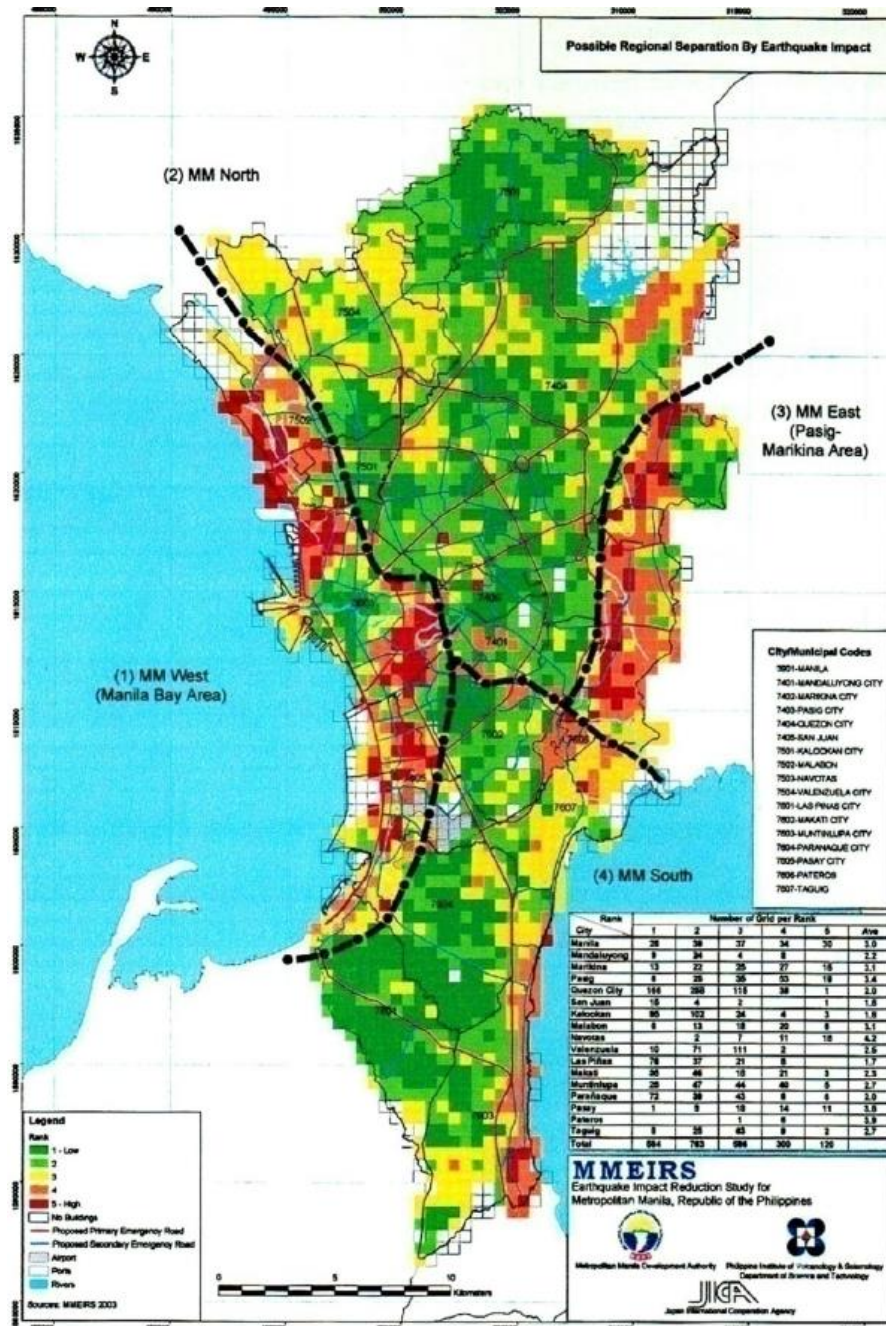


Diagram 2: Map of the Projected Regional Separation<sup>3</sup> of Metro Manila based on MMEIRS

<sup>3</sup> The map displayed is the old projection for the regional separation in Metro Manila. The MMDRRMC is currently updating the Oplan Metro Yakal Plus to revise the projected regional separation from quadrants into sectors.

## HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

Based on the analysis of the passable and impassable roads and bridges, Metro Manila will possibly be separated into four (4) regions by the earthquake impact. The Western part of Metro Manila will be isolated from others parts of the region by fire incidents and collapsed buildings. This part includes Manila City, Malabon City, Navotas City, and the western part of Pasay City.

The Northern and Southern parts will be separated due to damage and collapse of bridges crossing Pasig River. The North quadrant includes Caloocan City, Quezon City, Valenzuela City, San Juan City, and Mandaluyong City.

The South part includes Las Piñas City, Makati City, Parañaque City, Taguig City, Municipality of Pateros, and the Southern part of Pasay City. The area between Mandaluyong and Makati City has a high possibility of building collapse.

The East part consists of Pasig and Marikina City. These cities will be isolated due to damages to buildings and bridges along and across Marikina River. Roads and other infrastructures transected by the WVF will be destroyed instantly by ground rupture. Additionally, those constructed on soft soils and located near water bodies will be affected by liquefaction.

In the present updating of the Oplan Metro Yakal Plus by the Metro Manila Disaster Risk Reduction and Management Council (MMDRRMC), experts further anticipate the collapse of MRT station, further sub-dividing the North and South quadrants. From “quadrant”, the MMDRRMC agreed to use the term “sector.” Below is the projected sectoral assignments for all Metro Manila LGUs:

<b>Sector</b>	<b>Expected Isolation of LGUs</b>
East	Pasig, Marikina
West	Manila, San Juan, Mandaluyong
North 1	Caloocan, Malabon, Navotas, Valenzuela
North 2	Quezon City
South 1	Las Piñas, Muntinlupa, Paranaque, Pasay
South 2	Taguig, Makati, Pateros

*Table 7: Expected Isolation of LGUs in Metro Manila according to Sectors*

## HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

Relatedly, below is the table of estimated number of dead, missing, injured, and displaced population across the LGUs in Metro Manila<sup>4</sup>:

REGION	LGUS	DEAD	MISSING	INJURED	DISPLACED
NCR East	Pasig	2,387	12,420	34,692	475,774
	Marikina	1,617	8,280	24,297	317,182
NCR North	Caloocan	3,114	6,560	54,105	198,478
	Malabon	874	3,300	13,774	99,240
	Navotas	740	3,280	12,431	99,000
	Valenzuela	1,169	6,600	20,522	198,000
	Quezon City	5,524	13,160	96,652	396,478
NCR West	Manila	5449	13,750	84,515	535,246
	San Juan	306	5,500	4,818	214,098
	Mandaluyong	817	8,250	3,664	321,147
NCR South	Las Piñas	1491	11,640	25,429	333,042
	Muntinlupa	1206	2,716	21,450	77,710
	Parañaque	1385	3,492	24,508	99,913
	Pasay	1117	3,104	17,183	88,811
	Taguig	2366	3,880	39,247	111,014
	Makati	1,427	11,640	20,737	333,042
	Pateros	239	2,328	3,698	66,608
<b>TOTAL</b>		<b>31,228</b>	<b>119,900</b>	<b>501,722</b>	<b>3,964,783</b>

*Table 8: Estimates on Dead, Missing, Injured and Displaced in Metro Manila*

Below is the table of estimated number of dead, missing, injured, and displaced population for the affected LGUs in Central Luzon<sup>5</sup>:

LGUS	DEAD	MISSING	INJURED	DISPLACED
Bulacan	9,000	12,000	30,000	277,650
Pampanga	6,000	8,000	20,000	63,000
<b>TOTAL</b>	<b>15,000</b>	<b>20,000</b>	<b>50,000</b>	<b>340,650</b>

*Table 9: Estimates on Dead, Missing, Injured and Displaced in Central Luzon*

Further, below is the table of estimated number of dead, missing, injured, and displaced population for the affected LGUs in CALABARZON<sup>6</sup>:

LGUS	DEAD	MISSING	INJURED	DISPLACED
Rizal	500	2,000	12,000	331,360
Cavite	3,000	3,443	50,398	563,840
Laguna	3,145	100	65,600	119,680
<b>TOTAL</b>	<b>6,645</b>	<b>5,543</b>	<b>127,998</b>	<b>1,014,880</b>

*Table 10: Estimates on Dead, Missing, Injured and Displaced in CALABARZON*

<sup>4</sup>Reference for Dead and Injured (consolidated for slight, serious and very serious injuries): GMMMA RAP 2013  
Reference for Missing: INSARAG ERE, 2018  
Reference for Displaced: INSARAG ERE, 2018

<sup>5</sup>Reference for Dead, Missing and Injured: RDRRMC III Contingency Plan for Earthquake 2018  
Reference for Displaced: INSARAG ERE 2018

<sup>6</sup>Reference for Dead, Missing and Injured (consolidated for slight, serious and very serious injuries) in CALABARZON: CP for Earthquake for Rizal, Cavite and Laguna 2018  
Reference for Displaced: INSARAG ERE 2018

## HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

In summary, here are the consolidated estimates of dead, missing, injured, and displaced population in Metro Manila, Central Luzon, and CALABARZON<sup>7</sup>:

REGION	DEAD	MISSING	INJURED	DISPLACED
Metro Manila	31,228	119,900	501,722	3,964,783
Central Luzon	15,000	20,000	50,000	340,650
CALABARZON	6,645	5,543	127,998	1,014,880
<b>TOTAL</b>	<b>52,873</b>	<b>145,443</b>	<b>679,720</b>	<b>5,320,313</b>

*\*Table 11: Summary of Estimates on Dead, Missing, Injured, and Displaced in Metro Manila, Central Luzon and CALABARZON*

**It is important to emphasize that the estimates are not to be taken as absolute projections.** The figures are still working data. Discrepancies are definitely expected since LGUs have to reconcile their census or baseline data of population. Moreover, the estimates do not reflect and account the level of earthquake risk reduction made by current earthquake prevention and preparedness initiatives. Notably, there is already an on-going enhancement for the MMEIRS, known as the Greater Metro Manila Earthquake Impact Reduction Study (GMMEIRS), to provide more accurate risk estimates for earthquake in Metro Manila, Central Luzon and CALABARZON.

It is also worth noting that the MMDRRMC has already made substantial progress for earthquake preparedness and response through the Oplan Metro Yakal Plus. However, it was last published in 2015 and is currently undergoing enhancement by the MMDRRMC and the Metro Manila LGUs. Moreover, the Oplan Metro Yakal Plus accounts for the response within the affected areas in Metro Manila only. While there is considerable achievement on the part of the MMDRRMC for earthquake preparedness through the Oplan Metro Yakal Plus, there is a need to integrate the response arrangements for the earthquake-affected areas in Central Luzon and CALABARZON.

Adding to the complexity of the response is the possibility for Angat Dam breakage in Bulacan, as provided for in the RDRRMC Central Luzon Contingency Plan. Should the said dam be compromised, there will be sudden flooding in low-lying municipalities in Bulacan. It will also lead to shortage of water supplies in Metro Manila and other areas. These combine effects of the earthquake will result to a much complex emergency situation.

In this context, the Harmonized National Contingency Plan has been formulated by the NDRRMC. It is intended to address the response requirements resulting from the anticipated occurrence of the magnitude 7.2 earthquake due to the movement of the WVF that will affect Metro Manila, Central Luzon, and CALABARZON.

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<sup>7</sup>Reference for Dead and Injured (consolidated for slight, serious and very serious injuries) in Metro Manila: GMMA-RAP 2014  
Reference for Missing and Displaced in Metro Manila: INSARAG ERE, 2018  
Reference for Dead, Missing and Injured in Central Luzon: RDRRMC III Contingency Plan for Earthquake 2018  
Reference for Dead, Missing and Injured (consolidated for slight, serious and very serious injuries) in CALABARZON: CP for Earthquake for Rizal, Cavite and Laguna 2018  
Reference for Displaced: INSARAG ERE 2018

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## CHAPTER II: GOALS AND OBJECTIVES

### Assumptions

Pursuant to the findings of the MMEIRS, the magnitude 7.2 earthquake to be caused by the movement of the WVF is anticipated to affect three (3) regions: Metro Manila, Central Luzon, and CALABARZON. Using the worst-case scenario as projection, the assumption is that the local, regional, and national responders operating within the said affected regions will be overwhelmed by the emergency situation.

Pursuant to Section 15 of Republic Act 10121, the response will be at the level of the NDRRMC if two (2) or more regions are affected. Should the magnitude 7.2 earthquake be generated by the WVF, a total of three (3) regions will be affected, which means that the NDRRMC has to take action. However, the law also states that the NDRRMC will always act as support to the LGUs, which have the primary responsibility as the first responders. This means that the NDRRMC will only provide assistance to affected Regional and Local DRRMCs based on their requests as indicated in the results of Rapid Damage Assessment and Needs Analysis (RDANA). Leadership and command will still be under the LGUs concerned. However, in case the LGUs will be overwhelmed, the management of response can be elevated to the MMDRRMC then to the NDRRMC following the proper Transfer of Command protocols in Incident Command System (ICS).

However, it should be noted that the NDRRMC is assumed to be overwhelmed as well considering that most national government agencies are seated within Metro Manila. Hence, the nearby Regional Disaster Risk Reduction and Management Councils (RDRRMCs) that are unlikely to be affected by the earthquake will be tapped by the NDRRMC to provide assistance to all affected areas.

### Goal

The goal of the harmonized national contingency plan is to provide effective, efficient, timely, and well-coordinated response mechanisms of the affected LDRRMCs, RDRRMCs, NDRRMC and the assisting RDRRMCs in Luzon, Visayas and Mindanao in the occurrence of magnitude 7.2 earthquake due to the movement of the WVF affecting Metro Manila, Central Luzon, and CALABARZON.

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## **Objectives**

The objectives of the Harmonized National Contingency Plan are as follows:

1. Provide mechanism to conduct inventory of emergency response resources available among assisting RDRRMCs to augment those of the NDRRMC, MMDRRMC, RDRRMCs of Central Luzon and CALABARZON, and affected LDRRMCs;
2. Provide the projected immediate and appropriate needs of the affected population in Metro Manila, Central Luzon, and CALABARZON;
3. Determine the immediate tasks of government, non-government organizations, private sectors, and volunteer groups required for magnitude 7.2 earthquake response operations;
4. Establish proper coordination through efficient communication and linkages among the assisting RDRRMCs and the international humanitarian assistance community to support NDRRMC, MMDRRMC, RDRRMCs of Central Luzon and CALABARZON, and affected LDRRMCs;
5. Reinforce the standards of reporting system set by the NDRRMC; and
6. Identify and resolve the gaps and weakness of capabilities of the government to respond to the magnitude 7.2 earthquake scenario.

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## CHAPTER III: ACTIVATION, DEACTIVATION AND NON-ACTIVATION

To achieve the goals and objectives of the Harmonized National Contingency Plan, the NDRRMC will mobilize the resources, including response teams and major equipment, coming from the pre-identified assisting RDRRMCs in Luzon, Visayas, and Mindanao, as well as the assistance from international partners.

Consistent with the National Disaster Response Plan (NDRP) for Earthquake and Tsunami, each assisting RDRRMC will organize its respective response clusters. Every response cluster will have its designated lead and member agencies, with their corresponding operational objectives. The activities and decisions of the response clusters will be orchestrated by the OCD Regional Office through the Regional Director, as the Chairperson of the assisting RDRRMC.

Further, each assisting RDRRMC will mobilize teams who will augment the requirements for pre-established Emergency Operations Centers (EOCs) and Incident Management Teams (IMTs) in strategic areas across the affected regions.

### A. Activation

The trigger for the activation of the Harmonized National Contingency Plan will be any of the following:

- Intensity VI and above for DRRMCs in earthquake affected areas
- Magnitude 7.2 earthquake due to movement of WFV to be confirmed by PHIVOLCS reports
- Request from LGUs
- Absence of contact at the EOCs in earthquake affected areas

The above triggers are attributed to the fact that there are practically no early warning signs for earthquake.

### Intensity VI and Above

In the earthquake affected areas, the trigger will be based on felt intensities. This means that local responders within earthquake affected areas can proceed to act should they feel strong intensities. Based on Chapter I, Intensity VI is the starting trigger for WFV movement (bad scenario).

### PHIVOLCS Report

It is important to note that intensities are relative and can vary from one area to another. Hence, an official confirmation from PHIVOLCS is helpful to verify that the WFV moved. In case the PHIVOLCS main office at Quezon City will be compromised, the mirror sites of PHIVOLCS can be used to disseminate earthquake

## HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

information. This will be particularly especially for the assisting RDRRMCs to make assumptions on the situation in the affected areas.

### **Request from LGUs**

All affected LGUs are expected to mobilize RDANA teams to know the updates on the ground and determine the priority needs for humanitarian assistance and disaster response. Should they require additional support, they will course through the request to the RDRRMC in charge, then elevated to the NDRRMC. Should more resources be needed, the NDRRMC will then proceed to request augmentation from the assisting RDRRMCs.

All requests for augmentation will be coursed through the appropriate EOCs following the communication protocols of the NDRRMC.

### **Absence of Contact at the EOCs**

Of course, the responders within affected areas as well as the assisting RDRRMCs should take proactive measures aside from waiting for PHIVOLCS report or request from LGUs. Ideally, EOCs should be activated across different levels of governance. Should there be no contact with the existing EOCs from the national to local levels (including their alternate EOCs), the assisting RDRRMCs will immediately assume that the existing EOCs are already compromised due to the effects of the earthquake. This will be their trigger to initiate action.

Once activated, the assisting RDRRMCs will deploy teams to augment the compromised EOCs. They will also organize teams that are categorized into Response Clusters. Further, IMTs will be mobilized to ensure command and control over the teams. Following the principles of ICS, the response clusters of the assisting RDRRMCs will serve as the “force providers” while the IMTs will act as the “force employers.”

When it comes to administrative and logistical concerns, each assisting RDRRMC will utilize their own resources for mobility and for response. It is assumed that the assets within the affected regions will be rendered unusable due to the effects of the earthquake. Hence, the assisting RDRRMCs will have to be self-sufficient.

In case the EOCs in affected areas remain functioning, or local responders are still operating, the assisting RDRRMCs will just provide augmentation as needed. However, the EOCs are totally compromised or the local responders are already overwhelmed, the assisting RDRRMCs will assist in leading the response. The provision of resources will be calibrated according to the degree of effects of the earthquake.



# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## B. De-activation

All assisting RDRRMCs will operate until such time that the local, regional, and national teams will be able to recover and eventually take charge. Hence, the trigger for the de-activation of the harmonized national contingency plan will be the recommendation of the incident commander (IC) of the assisting RDRRMC. Specifically, the IC will assess if the local resources are already functional. The recommendation will then be escalated to the EOC of the assisting RDRRMC for further decision.

Upon consultation and assessment together with the Regional Chairpersons of the affected RDRRMCs and the Chairperson or Executive Director of the NDRRMC, the response assets of the assisting RDRRMCs will gradually be demobilized back to their home units. Eventually, the command for the management of response operations will be transferred to the NDRRMC and will de-escalate to regional down to local levels.

Below is the diagram illustrating the activation and de-activation of the Harmonized National Contingency Plan.

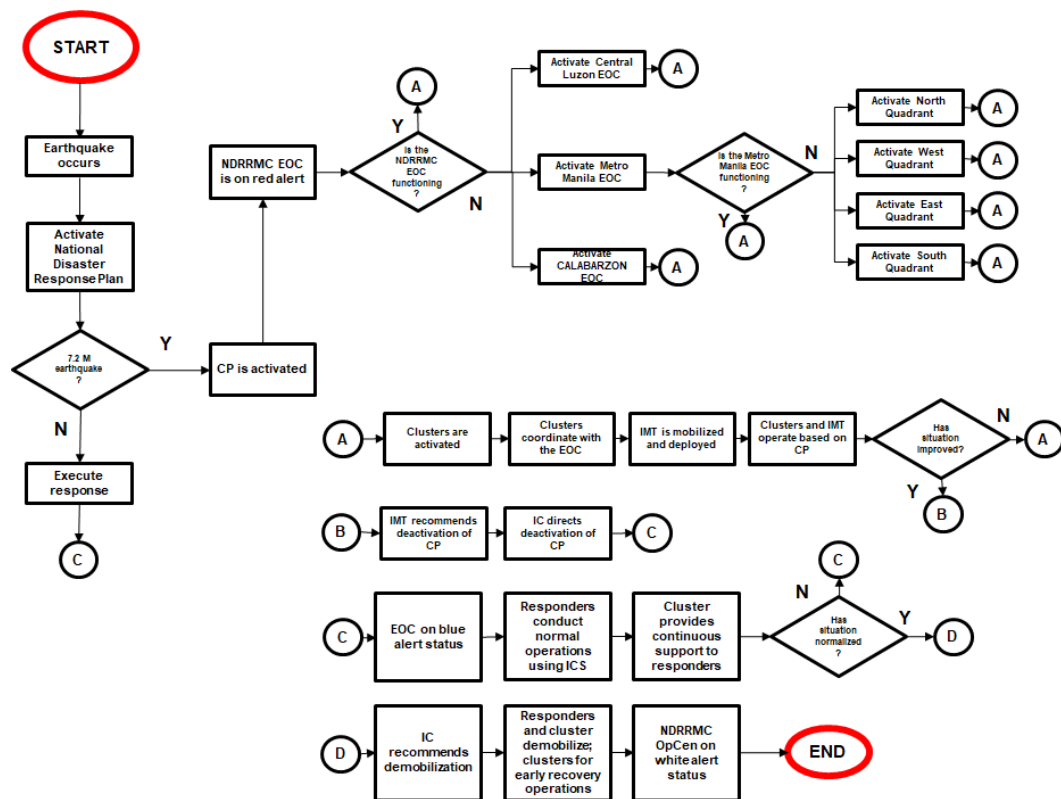
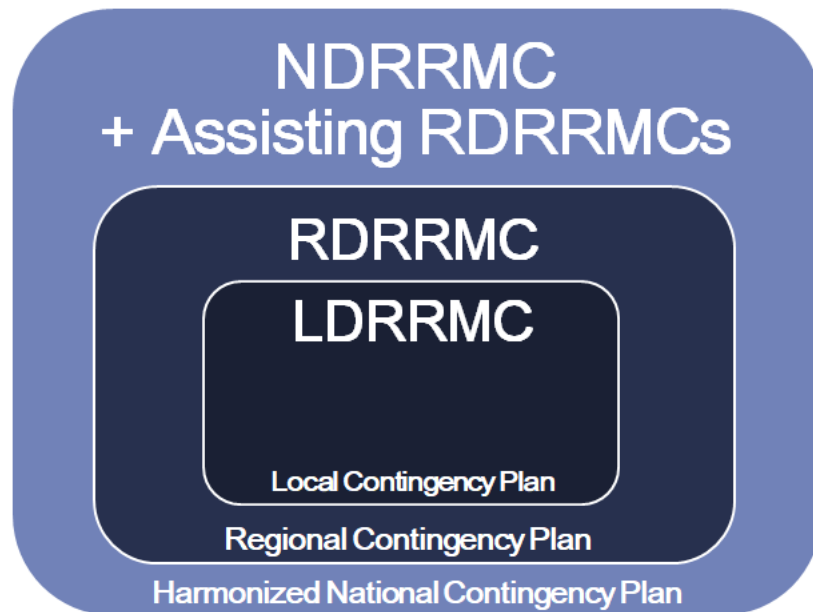


Diagram 3: Activation and De-activation of Harmonized National Contingency Plan

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## C. Non-activation

In the event of non-activation of the Harmonized National Contingency Plan, the response mechanisms and approaches indicated in this plan can still be relevant for any earthquake incident as it incorporates the existing plans of the NDRRMC, RDRRMCs, and the LDRRMCs.



*Diagram 4: Harmonization of Response at all Levels*

Specifically, as seen in the above diagram, the response for the earthquake will always begin at the local levels in accordance with the respective contingency plans of the LDRRMCs. In the event of incident escalation, the response will be elevated at the regional level in accordance with the regional contingency plan of the RDRRMC. For the worst-case scenario, the NDRRMC will come in with the support of the assisting RDRRMCs.

A fundamental component for the harmonization of response is the Rapid Damage Assessment and Needs Analysis (RDANA). All LGUs will have their respective RDANA operations to know their actual needs. The results of RDANA will determine the need to elevate the response to a higher level DRRMC. Should the LGU be able to manage the response using their own resources, then there is no need to involve the DRRMC at the Regional and National levels, as well as the assisting RDRRMCs. However, the higher level DRRMCs will always remain on standby for possible augmentation.

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## CHAPTER IV: COORDINATION, COMMAND AND CONTROL

### A. Coordination

To facilitate coordination for earthquake response, the following are the identified RDRRMCs that will assist the NDRRMC and the MDRRMC:

Areas to be Affected by Earthquake	Designated Assisting RDRRMCs		
	1 <sup>st</sup> Wave	2 <sup>nd</sup> Wave	3 <sup>rd</sup> Wave
Central Luzon	RDRRMC I	RDRRMC VII	RDRRMC VIII
Metro Manila – North Sector (North I and North II)	RDRRMC I	RDRRMC VII	RDRRMC VIII
Metro Manila – East Sector	RDRRMC II	RDRRMC XI	RDRRMC XII
Metro Manila – West Sector	RDRRMC CAR	RDRRMC X	RDRRMC CARAGA
Metro Manila – South Sector (South I and South II)	RDRRMC V	RDRRMC VI	RDRRMC IX, RDRRMC MIMAROPA RDRRMC ARMM
CALABARZON	RDRRMC V	RDRRMC VI	RDRRMC IX, RDRRMC MIMAROPA RDRRMC ARMM

*Table 12: Areas to be Affected by Earthquake and the Designated Assisting RDRRMCs*

Each assisting RDRRMC will activate and mobilize its respective response clusters. Consistent with the NDRP for Earthquake and Tsunami, the following are response clusters, with the corresponding lead and member offices:

RESPONSE CLUSTERS	NATIONAL LEAD AGENCIES
Camp Coordination and Camp Management	DSWD
Debris Clearing and Civil Works	DPWH
Education	DEPED
Emergency Telecommunications	DICT
Food and Non-Food Items	DSWD
Health	DOH
Law and Order	PNP
Logistics	OCD
Management of the Dead and Missing	DILG
Protection	DSWD
Philippine International Humanitarian Assistance	DFA
Search, Rescue, and Retrieval	AFP

*Table 13: Response Clusters and National Lead Agencies*

The Response Clusters of the RDRRMCs will have their respective operational objectives, responsibilities, inventory of resources, needs projection and timelines of activities based on their respective mandates and response capabilities.

## Camp Coordination and Camp Management Cluster



**LEAD**  
DSWD

### MEMBERS

DEPED, DOH, PRC, PNP, DILG, AFP, CSOs, LGUs

### OBJECTIVES

1. To provide timely and well-coordinated humanitarian assistance and augmentation support in the management of the evacuation centers (ECs).
2. To ensure the availability of identified safe, secure and accessible ECs;
3. To ensure that temporary refuge to individual and families potentially at risk or in actual danger are immediately provided;
4. To ensure establishment of sex and age disaggregated data of affected families and internally displaced persons (IDPs) in ECs;
5. To ensure that all IDPs in ECs are provided with basic humanitarian needs compliant with SPHERE standards
6. To ensure availability of Basic Medical and Public health and protection services;
7. To ensure that energy source and communication facilities are in place;
8. To ensure that ECs are off limits and have designated areas for pet animals and livestock; and
9. To seek opportunities for recovery, rehabilitation and developmental tasks as post response activities are undertaken, in case of prolonged stay in ECs.



### RESPONSIBILITIES

1. Provide gender-sensitive and inclusive facilities (breastfeeding, lactating mothers, CFS/WFS, toilets/latrines, bathrooms, conjugal/couple room)
2. Provide areas designated for pets and livestock
3. Provide medical, public health, WASH, MHPSS, and nutrition services inside ECs
4. Ensure interoperability with EOC to coordinate with other Response Clusters;
5. Provide availability of timely and accurate data/reports to the EOC as basis in provision of augmentation of assistance
6. Monitor the status of all existing ECs opened including its facilities;
7. Ensure that the EC Managers use DAFAX as basis for master-listing of evacuees;
8. Coordinate with Education Cluster to ensure continuity of education in ECs
9. Coordinate with Protection Cluster to address security concerns in ECs
10. Coordinate with Food and Non-Food Item Cluster for the provision of goods in the ECs

### TIMELINES

D (Ground Shaking)  
D + 10 MINUTES  
D + 30 MINUTES  
D + 1 HOUR  
D + 3 HOURS  
D + 5 HOURS  
D + 10 HOURS  
D + 1 DAY ONWARDS



### NEEDS AND ACTIVITIES

Perform duck, cover and hold; ensure personal and family safety  
Obtain status updates from all existing primary or alternate EOCs (LGUs, Region, National)  
Organize teams to join the RDANA  
Undertake RDANA and report the results to the EOC  
Camp managers to establish ECs and other facilities such as WFS/CFS, info boards, etc.  
Request for augmentation from other Response Clusters (Protection, Food and Non-Food Items, ETC, Education and Health, etc.)  
Camp managers to provide situation report to designated EOCs  
Undertake continuous monitoring, coordination for the response, and augmentation

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## Debris Clearing and Civil Works Cluster



**LEAD**  
DPWH

**MEMBERS**

AFP Engineering Brigade, MMDA, LGUs, Private Sector (ACEL, ASEP and PICE)



**OBJECTIVES**

1. To ensure that facilities and infrastructures are structurally resilient
2. To ensure that major thoroughfares are free from debris and obstructions
3. To assist the responders in penetrating the earthquake-affected areas

**RESPONSIBILITIES**

1. Provide engineering expertise in the assessment of facilities and infrastructures
2. Remove debris and obstructions that block the major thoroughfares especially for responders
3. Provide engineers to join the Rapid Damage Assessment and Needs Analysis Teams



**TIMELINES**

- D (Ground Shaking)
- D + 10 MINUTES
- D + 20 MINUTES
- D + 30 MINUTES
- D + 45 MINUTES
- D + 1 HOUR
- D + 3 HOURS
- D + 10 HOURS
- D + 1 DAY ONWARDS

**NEEDS AND ACTIVITIES**

- Perform duck, cover and hold; ensure personal and family safety
- Obtain status updates from all existing primary or alternate EOCs (LGUs, Region, National)
- Organize teams to join the RDANA
- Conduct RDANA to earthquake affected areas, with priority to status of roads, bridges and transportation routes
- Conduct inventory of resources for the cluster
- Submit report to the EOC
- Organize clearing teams in collaboration with other Response Clusters
- Commence debris clearing operations
- Undertake continuous monitoring, coordination for the response, and augmentation

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## Education Cluster



### LEAD DEPED

### MEMBERS

CHED, TESDA, Save the Children, UNICEF, CSOs, LGUs

### OBJECTIVES

1. To establish unified and effective Education in Emergency (EIE) response consistent with Minimum Standard in Education Emergency (MSEE) and national standards and policies in affected areas within a week;
2. To ensure active and sustained collaboration of all education sector stakeholders and partners in the implementation of EIE programs and interventions during the response time;
3. To fully utilize existing Management Information Systems to ensure timely and accurate dissemination for decision making during the response time;
4. To generate and mobilize resources for timely, appropriate and responsive delivery of EIE programs and interventions; and
5. To monitor and evaluate effectiveness of response interventions for accountability and learning.

### RESPONSIBILITIES

1. Ensure the availability and accessibility of personnel for the Education Cluster
2. Ensure proper coordination and partnerships among members of Education Cluster and other Response Clusters to ensure inter-sectoral collaboration and consistency of approaches
3. Coordinate implementation of EIE programs and interventions to provide a rapid and effective holistic response to education-related needs of children and young people as well as teaching and non-teaching personnel resulting from the earthquake
4. Coordinate and participate in undertaking joint rapid assessment of the education needs of learners and teaching and non-teaching personnel in affected areas
5. Collect, consolidate, analyze and share information relevant to the Education Cluster with the NDRRMC, Humanitarian Country Team and other relevant decision-making bodies
6. Map and facilitate resource mobilization to affected DepEd, TESDA, CHED and all public and private schools comprising of Education Cluster
7. Coordinate with donor agencies and other funding sources to ensure complementation of resources by tracking and monitoring EIE interventions
8. Monitor progress, document bottlenecks and challenges, and evaluate results of response plan for the Education Cluster



### TIMELINES

D (Ground Shaking)  
D + 10 MINUTES  
D + 30 MINUTES  
D + 1 HOUR  
D + 5 HOURS  
D + 10 HOURS  
D + 1 DAY ONWARDS

Perform duck, cover and hold; ensure personal and family safety  
Obtain status updates from all existing primary or alternate EOCs (LGUs, Region, National)  
Organize teams to join the RDANA  
Undertake RDANA and report the results to the EOC  
Deploy EIE teams in evacuation centers or schools with emergency education needs based on RDANA results  
Provide reports to the EOC  
Undertake continuous monitoring, coordination for the response, and augmentation

### NEEDS AND ACTIVITIES



# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## Emergency Telecommunications Cluster



### LEAD OCD

### MEMBERS

DICT, DSWD-IMB, AFP-J6, PCG-CG11, BFP, PNP-CES, LGUs, CSOs, Volunteer Groups, Civilians and Private Organizations

### OBJECTIVES

1. To strengthen information and communication technology (ICT) capacities from the national down to local levels to prepare for, respond to and recover from the impacts of the earthquake
2. To facilitate communication among Response Clusters for effective collaboration and coordination
3. To provide frequencies and identify other mode of communications possible to be used by the members of the Response Clusters.

### RESPONSIBILITIES

1. Organize and deploy resources to constitute the Rapid Emergency Telecommunications Team (RETT)
2. Ensure availability and accessibility of ICT services in affected areas
3. Maintain database for the upgrading of ICT capabilities
4. Maximize the utilization of ICT capabilities and resources to ensure immediate restoration of telecommunication system for disaster operations



### TIMELINES

### NEEDS AND ACTIVITIES

D (Ground Shaking)	Perform duck, cover and hold; ensure personal and family safety
D + 10 MINUTES	Obtain status updates from all existing primary or alternate EOCs (LGUs, Region, National)
D + 20 MINUTES	Check telecommunication status and other government communications infrastructure;
	Alert and organize the RETT and conduct inventory of ICT equipment on hand
D + 30 MINUTES	Pre-program all radios to the assigned disaster frequencies and ensure communications interoperability;
	Provide radio nets, call signs and manage the frequencies allocated by NTC;
	Provide a platform directory services containing the contact information of the different ICT key players;
D + 1 HOUR	Deploy RETT and establish On-Site Command Operations Coordinating Center (OSOCC) in target areas;
	Provide basic telecommunications coverage around the main operational area for the EOC and other responders
	Program radios or other equipment belonging to individual responders, organizations and other key players for interoperability;
D + 3 HOURS	Install and maintain internal ICT systems between Response Clusters and responders independent from national or local public services;
	Establish a dedicated GSM/LTE mobile network to be used by the Response Clusters and responders in the operational area in partnership with TELCO(s)
D + 10 HOURS	Publish and maintain a list of GSM providers and availability of 2G/3G/4G/LTE and data services and its availability and reliability on partnership with TELCO(s);
	Update directory services containing the contact information of the different key players in affected areas
D + 1 DAY ONWARDS	Dispatch RETT as needed;
	Conduct repair and maintenance activities related to ICT as needed;
	Provide reports to the EOC;
	Undertake continuous monitoring, coordination for the response, and augmentation



# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## Food and Non-Food Item Cluster



**LEAD**  
DSWD

**MEMBERS**

DOH, NSC, DA, NFA, OCD, AFP, PNP, PRC, CSOs, LGUs

**OBJECTIVES**

1. To ensure availability of family food packs, ready-to-eat food, and bottled drinking water and also non-food item such as sleeping gears, family clothing packs, dignity kits, kitchen kits, and shelter kits stockpiled at all levels;
2. To undertake the coordinated provision of food and non-food assistance to the affected families; and
3. To regularly monitor, in coordination with Health Cluster, the nutritional status (including nutritional content, social and cultural acceptability anywhere in the food/non-food items) of the affected population, identify gaps in the provision of food assistance, and formulate strategic interventions to address the gaps.

**RESPONSIBILITIES**

1. Activate and deploy Quick Response Team upon the directive of the EOC through the cluster lead
2. Activate and deploy pool of volunteers for repacking, escorting, delivery of goods, distribution and monitoring
3. Provide emergency relief (food and non-food items) inside and outside the evacuation centers
4. Determine logistical requirements for the Cluster such warehousing and transportation needs
5. Establish and assign designated staff to man the donations desk in coordination with the EOC
6. Ensure continuous and sufficient supply of foods and non-food items to serve the affected population
7. Prepare reports on inventory of food and non-food items



**TIMELINES**

D (Ground Shaking)  
D + 10 MINUTES  
D + 30 MINUTES  
D + 1 HOUR  
  
D + 3 HOURS  
D + 5 HOURS  
  
D + 10 HOURS ONWARDS

**NEEDS AND ACTIVITIES**

Perform duck, cover and hold; ensure personal and family safety  
Obtain status updates from all existing primary or alternate EOCs (LGUs, Region, National)  
Conduct inventory of available resources and identify challenges in service delivery (stockpile, road access, transportation)  
Deliver available food and non-food items to the evacuation centers and other priority areas;  
Request assistance from the logistics cluster for the delivery of goods  
Facilitate distribution of food and non-food items  
Provide reports to the EOC;  
Request for replenishment  
Undertake continuous monitoring, coordination for the response, and augmentation





# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## Health Cluster



### LEAD

DOH

### MEMBERS

DSWD, OCD, AFP, DILG, PNP, DEPED, PCG, DFA, PRC, WHO, UNFPA, UNICEF, CSOs, LGUs

### OBJECTIVES

To provide holistic services for the following areas of health response:

1. Medical and Public Health
2. Water, Sanitation and Hygiene (WASH)
3. Nutrition in Emergencies (NiE)
4. Mental Health and Psychosocial Support (MHPSS)

### RESPONSIBILITIES

1. Provide health-related resources and services to all earthquake affected areas
2. Provide logistical requirements and facilities to support the operations of the Health Cluster
3. Conduct coordination, reporting, networking, and monitoring with all Response Clusters and partners

### TIMELINES

D (Ground Shaking)  
D + 10 MINUTES

D + 30 MINUTES

D + 1 HOUR  
D + 5 HOURS

D + 1 DAY ONWARDS

Perform duck, cover and hold; ensure personal and family safety  
Obtain status updates from all existing primary or alternate EOCs (LGUs, Region, National);  
Activate ICS in all levels of health care systems;  
Affected hospitals to activate treatment protocols  
Conduct pre-deployment briefings and preparations  
Participate in the conduct of RDANA;  
Activate agreements with private sector partners (such as groceries and drugstores) as well as other NGAs;  
Affected areas to communicate resource needs;  
Deploy teams and resources based on RDANA results;  
Provide reports to EOC  
Undertake continuous monitoring, coordination for the response, and augmentation

### NEEDS AND ACTIVITIES



# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## Law and Order Cluster



### **LEAD** PNP

### **MEMBERS**

AFP, NICA, BFP, PCG, BJMP, BUCOR, CSOs, LGUs



### **OBJECTIVES**

1. To provide security services to all Response Clusters operating in the affected areas;
2. To provide security services in traffic management that will facilitate the speedy movement off people, goods, equipment, and other resources to the affected sites; and
3. To enforce law and order in the community through the provision of information on the disaster response operations and maintenance of community policing to reduce or arrest criminality.

### **RESPONSIBILITIES**

1. Establish security posts in all earthquake affected areas
2. Secure evacuation centers and other critical facilities
3. Assist in intelligence gathering
4. Provide security augmentation for the Response Clusters
5. Provide security teams during the clearing operations for roads, airports and seaports



### **TIMELINES**

D (Ground Shaking)  
D + 10 MINUTES  
D + 30 MINUTES  
  
D + 1 HOUR  
D + 5 HOURS  
  
D + 10 HOURS  
D + 1 DAY ONWARDS

### **NEEDS AND ACTIVITIES**

Perform duck, cover and hold; ensure personal and family safety  
Obtain status updates from all existing primary or alternate EOCs (LGUs, Region, National)  
Establish security posts in earthquake affected areas  
Participate in the conduct of RDANA;  
Provide security to RDANA teams  
Deploy security teams based on RDANA results;  
Work with other Response Clusters by providing security augmentation  
Provide reports to the EOC  
Undertake continuous monitoring, coordination for the response, and augmentation

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## Logistics Cluster



### LEAD OCD

### MEMBERS

DSWD, PNP, AFP, DPWH, PCG, BFP, PPA, DOTR, DOE, NEA, NGCP, LWUA, DICT, NTC, PEZA, CAAP, MIAA, MCI AA, and other airport authorities, Private groups, Electric Cooperatives/corporations, CSOs, LGUs

### OBJECTIVES

1. To provide an efficient and effective strategic emergency logistics services for all clusters in terms of mobility, warehousing, and supplies and inventory management;
2. To provide mobility assets for all Response Cluster operations;
3. To provide space for the storage and safekeeping of relief goods, supplies, materials, and equipment of different Response Clusters;
4. To provide fuel, generators and other emergency resources for Response Cluster operations;
5. To ensure tracking of deployed items; and
6. To restore and maintain utilities such as power, water and communication towers.

### RESPONSIBILITIES

1. Provide list of available warehouses and load capacity for the use of the Logistics Cluster for purposes of prepositioning, stockpiling and augmentation
2. Facilitate provision of logistical support requests communicated through the EOC
3. Determine the prioritization and identify assets to be used
4. Coordinate with Response Cluster members for the availability and mobilization of appropriate logistics assets
5. Facilitate administrative requirements for the mobilization and transport of resources
6. Provide feedback to requesting agency
7. Monitor/track deployed assets and prepare status reports



### TIMELINES

D (Ground Shaking)  
D + 10 MINUTES  
D + 30 MINUTES  
D + 1 HOUR  
D + 5 HOURS  
D + 10 HOURS  
D + 1 DAY ONWARDS

### NEEDS AND ACTIVITIES

Perform duck, cover and hold; ensure personal and family safety  
Obtain status updates from all existing primary or alternate EOCs (LGUs, Region, National)  
Provide logistics support for the conduct of RDANA  
Coordinate with all Response Clusters for their logistical needs  
Deploy teams for the establishment and/or restoration of critical lifelines and facilities  
Provide reports to the EOC  
Undertake continuous monitoring, coordination for the response, and augmentation



# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## Management of the Dead and Missing Cluster



**LEAD:** DILG

**MEMBERS:** PNP CL, PNP DPCR, NBI, AFP, DOH, PCG, OCD, PRC, DPWH, DFA, DSWD, DEPD, CSOs, LGUs



**OBJECTIVE**

To implement policies, standards, guidelines, systems and procedures for the Management of the Dead and Missing at all levels during emergencies and disasters

**RESPONSIBILITIES**

1. Facilitate the conduct of search and retrieval of dead bodies
2. Manage the conduct of disaster victim identification (DVI)
3. Undertake disposition/ final arrangement of the dead
4. Manage requirements for the missing persons
5. Provide services for the management of the bereaved families



**TIMELINES**

- D (Ground Shaking)
- D + 10 MINUTES
- D + 30 MINUTES
- D + 45 MINUTES
- D + 1 HOUR
- D + 5 HOURS
  
- D + 10 HOURS
  
- D + 1 DAY
  
- D + 4 DAYS
- D + 4 DAYS ONWARDS

**NEEDS AND ACTIVITIES**

Perform duck, cover and hold; ensure personal and family safety  
 Obtain status updates from all existing primary or alternate EOCs (LGUs, Region, National)  
 Convene all MDM Cluster Members and prepare logistical requirements  
 Deploy MDM Teams to join with the SRR Teams  
 Activate DVI Teams and establish DVI facilities  
 Undertake DVI Operations;  
 Submit report to the EOC  
 Establish facilities for operations for missing persons;  
 Submit report to the EOC  
 Establish facilities for final arrangement of the dead; undertake final disposition following CHAIN OF CUSTODY FORM;  
 Submit report to the EOC  
 Establish facilities for operations for management of bereaved families;  
 Submit report to the EOC  
 Undertake continuous monitoring, coordination for the response, and augmentation

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## Philippine International Humanitarian Assistance Cluster



### LEAD

DFA

### MEMBERS

AFP, BOC, BI, DEPED, DOF, DOH, DND, DSWD, DICT, DOTR, OCD, PDEA,, CAAP, CDC, SBMA, CIAC, BAI, BOQ, FDA, PMS, CSOs, LGUs

### OBJECTIVE

To provide timely, efficient, and effective delivery of international humanitarian assistance from various international stakeholders

### RESPONSIBILITIES

1. Coordinate the entry and exit of international humanitarian assistance
2. Operate the Philippine International Humanitarian Assistance Center (PIHARC)
3. Operate the Philippine Humanitarian Assistance Registry (PHAR)
4. Coordinate with various Clusters on Requests and Offers of International Humanitarian Assistance



### TIMELINES

D (Ground Shaking)

D + 10 MINUTES

D + 20 MINUTES

D + 30 MINUTES

D + 45 MINUTES

D + 1 HOUR

D + 3 HOURS

D + 10 HOURS

D + 1 DAY ONWARDS

### NEEDS AND ACTIVITIES

Perform duck, cover and hold; ensure personal and family safety  
 Coordinate with all existing primary EOCs (LGUs, Region, National) or alternate EOCs for status updates;  
 Assemble the PIHARC and PHAR teams  
 Inform International Humanitarian Assistance Community to be on standby  
 Get instructions from the NDRRMC EOC on Declaration of Call for International Assistance  
 Prepare PIHARC sites i.e. Clark, Subic, Cebu, Villamor Air Base,  
 Upload requests and offers of International Humanitarian Assistance in PHAR  
 Match offers and requests of international humanitarian assistance;  
 Advise incoming teams at Foreign Service Posts  
 Facilitate the entry of International Humanitarian Assistance Teams at PIHARC;  
 Facilitate the exit and evacuation of foreign nationals from all earthquake affected areas  
 Undertake continuous monitoring, coordination for the response, reporting, and facilitation of entry and exit of international teams



# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## Protection Cluster



**LEAD**  
DSWD

**MEMBERS**

DOH, DILG, PNP, NAPC, NBI, PRC, DEPED, CSOs, LGUs

**OBJECTIVES**

1. To ensure timely, appropriate, and quality provision of multi-sectoral and survivor-centered child protection and gender-based violence services in accordance with local, national and international guidelines/standards;
2. To establish and maintain appropriate coordination mechanism among all humanitarian actors, including coordination of protection inputs, reports and humanitarian plan and generation of resources;
3. To ensure that the protection response adequately takes into account the primary responsibility of the government to ensure protection of affected persons, by among others, establishing adequate response mechanism and coordination with the national and local authorities;
4. To advocate for the mainstreaming of child protection and gender-based violence response in programs, policies and plans;
5. To strengthen partnerships for complementation and coordinated child protection and gender-based violence response through the Regional and Local Inter-Agency Committees on Anti-Trafficking and Violence against Women and their Childre (IACAT-VAWC) and the Local Council for the Protection of Children (LCPC); and
6. To establish common information, monitoring and reporting systems on child protection and gender-based violence

**RESPONSIBILITIES**

1. Ensure all established ECs are compliant with SPHERE standards
2. Setup family reunification desks on the evacuation site
3. Analyze trends and principal risk faced by children and women in the context of the emergency, both in evacuation centers and in affected communities
4. Set-up information systems for measuring emergency child protection and gender-based violence needs and responses
5. Identify child protection and gender-based violence issues that can be acted upon by LCAT-VAWCs and LCPC members
6. Assist in the coordination and monitoring of LGUs with identified child protection and gender-based violence cases
7. Monitor and ensure safety, security and protect the affected internally displaced population (IDPs) to all forms of violence, abuse, neglect, and exploitation
8. Participate in IDP protection cluster meetings, assessment, and provision of services
9. Provide security personnel on 24/7 to maintain peace and order with the standard ratio of 1:500



**TIMELINES**

D (Ground Shaking)  
D + 10 MINUTES  
D + 30 MINUTES  
D + 1 HOUR  
D + 3 HOURS  
D + 10 HOURS  
  
D + 1 DAY  
  
D + 2 DAYS  
D + 1 DAY ONWARDS

**NEEDS AND ACTIVITIES**

Perform duck, cover and hold; ensure personal and family safety  
Obtain status updates from all existing primary or alternate EOCs (LGUs, Region, National)  
Organize teams to join the RDANA  
Undertake RDANA and report the results to the EOC  
Camp managers to establish ECs and other facilities such as WFS/CFS, info boards, etc.  
Deploy security teams at the designated ECs;  
Conduct orientation with the IDPs and organize committees within the evacuation center, especially for security and GAD  
Conduct initial assessment of the IDPs, their status and health conditions;  
Coordinate with concerned Response Clusters for provision of services for the IDPs  
Establish family reunification system services  
Undertake continuous monitoring, coordination for the response, and augmentation



# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## Search, Rescue and Retrieval Cluster



**LEAD**  
AFP

**MEMBERS**

BFP, PCG, PNP, CSOs, LGUs



**OBJECTIVES**

1. To ensure a rapid, appropriate and effective response to affected areas using all available resources;
2. To provide support for an effective, timely, organized and systematic search, rescue and retrieval (SRR) in order to minimize loss of lives and casualties.

**RESPONSIBILITIES**

1. Conduct SRR operations
2. Conduct RDANA operations
3. Provide initial treatment for injured persons
4. Conduct Mass Casualty Management (MCM)
5. Provide status reports
6. Provide technical assistance on health and safety concerns of SRR Teams



**TIMELINES**

D (Ground Shaking)  
D + 10 MINUTES  
  
D + 30 MINUTES  
D + 45 MINUTES  
  
D + 1 HOUR  
D + 3 HOURS  
D + 10 HOURS  
D + 1 DAY ONWARDS

**NEEDS AND ACTIVITIES**

Perform duck, cover and hold; ensure personal and family safety  
Evacuate all personnel to designated assembly areas;  
Coordinate with all existing primary EOCs (LGUs, Region, National) or alternate EOCs for status updates  
Conduct meeting and assess the situation  
Organize teams using all available resources and equipment;  
Participate in the conduct of RDANA  
Deploy SRR teams based on RDANA results  
Advise all responders about existing and potential hazardous situations in affected areas  
Submit report to the EOC  
Undertake continuous monitoring, coordination for the response, and augmentation

## B. Command and Control

### Emergency Operations Center

To coordinate the requirements of the Response Clusters and assist the Incident Management Teams in facilitating command and control, emergency operations centers (EOCs) will be established.

All existing primary and alternate EOCs will serve as the primary hub for coordination:

<b>DRRMC IN CHARGE</b>	<b>COVERAGE</b>	<b>EOC LOCATION</b>
LDRRMCs in Metro Manila	Affected areas within the city/ municipality	Respective cities and municipality
Metro Manila DRRMC	Entire Metro Manila (4 Sectors)	<p><b>Primary:</b> Metro Manila Crisis Monitoring and Management Center, Mandaluyong City</p> <p><b>Alternate:</b></p> <ol style="list-style-type: none"> <li>1. Joint Task Force NCR, Quezon City</li> <li>2. Philippine Navy, Manila</li> <li>3. Manila Bay area (Floating EOC c/o PCG)</li> </ol>
LDRRMCs in Central Luzon	Affected areas within the province/ city/ municipality	Respective provinces, cities and municipality
RDRRMC Central Luzon	Entire Central Luzon Region	Diosdado Macapagal Government Center, Maimpis, City of San Fernando, Pampanga
LDRRMCs in CALABARZON	Affected areas within the province/ city/ municipality	Respective provinces, cities and municipality
RDRRMC CALABARZON	Entire CALABARZON Region	CPD Building, Barangay Paciano, Rizal, Calamba City, Laguna
NDRRMC	Affected areas in Metro Manila, Central Luzon and CALABARZON	<p><b>Primary:</b> NDRRMC EOC Building, Camp General Emilio Aguinaldo, Quezon City</p> <p><b>Alternate:</b> AFP Grandstand, Camp General Emilio Aguinaldo, Quezon City</p>

Table 14: Existing Primary and Alternate EOCs with Corresponding Locations



## HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

Should the existing primary and alternate EOCs in all earthquake affected areas be compromised, the assisting RDRRMCs will support in terms of re-establishing the on-site EOCs. The following are the pre-identified locations of on-site EOCs to be set-up by the assisting RDRRMCs:

<b>ASSISTING DRRMC IN CHARGE</b>	<b>COVERAGE</b>	<b>EOC LOCATION</b>
RDRRMC VII	Affected areas within Metro Manila, Central Luzon and CALABARZON	Clark, Pampanga
RDRRMC I	Metro Manila (North Sector)	Any open-space and safe location
RDRRMC II	Metro Manila (East Sector)	Any open-space and safe location
RDRRMC CAR	Metro Manila (West Sector)	Intramuros Golf Course, Manila City
RDRRMC V	Metro Manila (South Sector)	Villamor Air Base Golf Course, Pasay City

*Table 15: On-site EOCs to be established by Assisting RDRRMCs with Corresponding Locations<sup>8</sup>*

As seen in the above table, in case the NDRRMC EOC in Camp General Emilio Aguinaldo, Quezon City will be totally compromised, RDRRMC VII will travel to Clark, Pampanga to re-establish the alternate EOC. The said EOC will then serve as the mirror site of the NDRRMC EOC to coordinate the response requirements in Central Luzon, Metro Manila, and CALABARZON.

### **Incident Command System (ICS)**

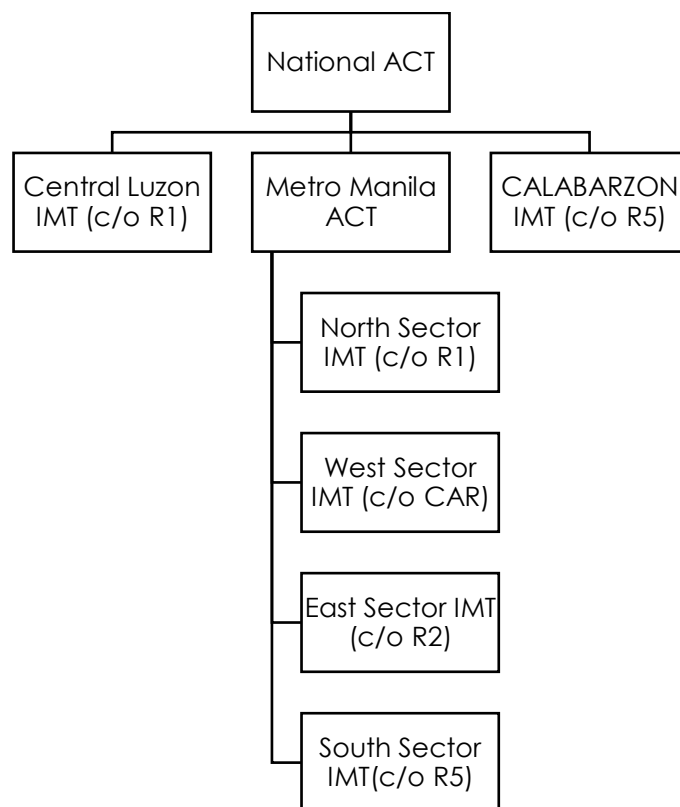
To execute tactical response, assisting RDRRMCs will also organize their Incident Management Teams (IMTs). Again, it is always acknowledged that the LGUs will have their respective IMTs operating in earthquake affected areas. Upon arrival of the teams from assisting RDRRMCs, they will check-in to the local IMTs. However, in the event that the local IMTs will be overwhelmed and will require augmentation, the IMTs from assisting RDRRMCs can provide support. Following the principles of ICS, proper transfer of command will take place.

The assisting RDRRMCs will also contribute to establish Area Command Teams (ACT), if needed.

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<sup>8</sup> The proposed EOC locations are subject to change based on the updates to be made by the MMDRRMC on the Oplan Metro Yakal Plus as well as the respective contingency plans of Metro Manila LGUs.

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE



*Diagram 5: Relationships of IMTs by the Assisting RDRRMCs*

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## Interoperability

Below is the diagram depicting the interoperability of the Response Clusters, EOC and IMTs for every RDRRMC.

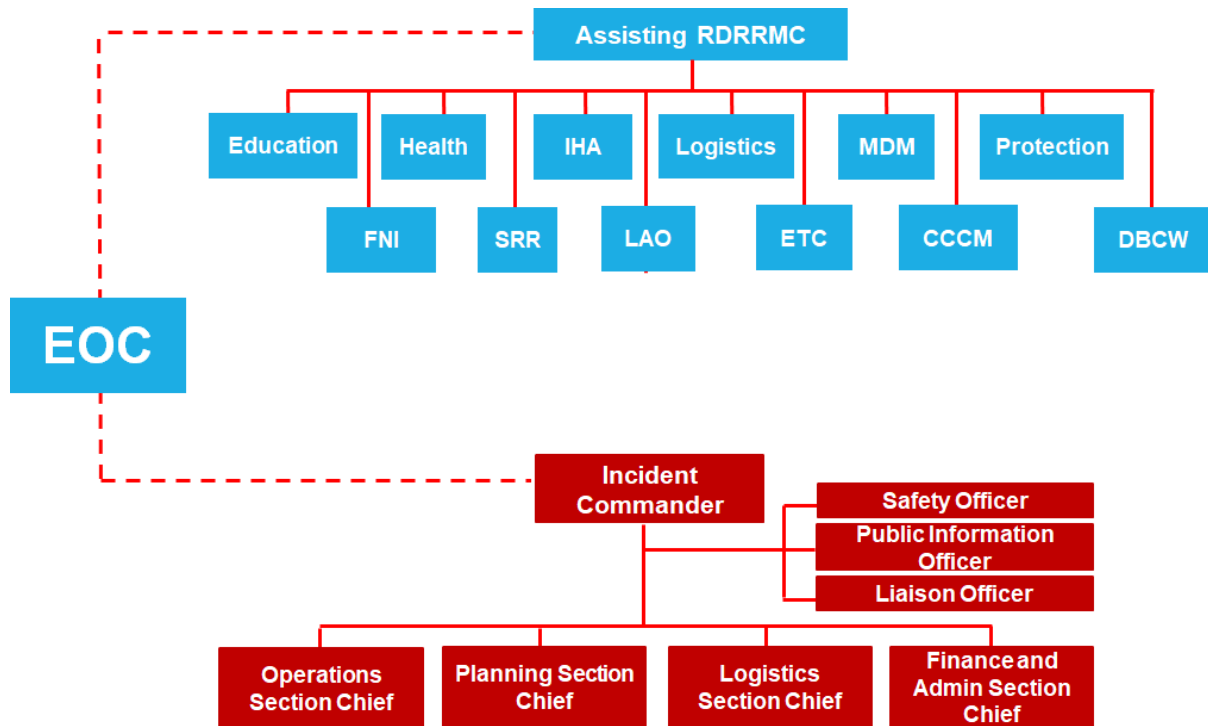


Diagram 6: Interoperability of Response Clusters, EOC, and IMT

As seen in the diagram, the EOC serves as the link between the Response Clusters and the IMT. The RDRRMC IMT working at the ground will send resource requests to the EOC. From the EOC, the resource requests will then be coordinated with the Response Clusters starting from the first wave of RDRRMCs. Assistance from the second and third wave of RDRRMCs will come as needed. Following the principles of ICS, the Response Clusters will serve as the force providers while the IMTs will function as the force employers.

Below is the table that summarizes the harmonized response actions of all affected LDRRMCs, RDRRMCs, NDRRMC as well as the assisting RDRRMCs from Luzon, Visayas and Mindanao. These response actions are generic assumptions that the DRRMCs may consider in the event of the magnitude 7.2 earthquake due to the WVF movement:

TIMELINES	MMDRRMC				RDRRMC CENTRAL LUZON and LGUs	RDRRMC CALABARZON and LGUs	NDRRMC	ASSISTING RDRRMC		
	EAST SECTOR LGUs	WEST SECTOR LGUs	NORTH SECTOR LGUs	SOUTH SECTOR LGUs				1st WAVE	2nd WAVE	3rd WAVE
<b>D (GROUND SHAKING)</b>	<p>Perform duck, cover, and hold</p> <p>Ensure personal and family safety</p> <p>Evacuate to designated assembly areas</p>						<p>Closely coordinate with NDRRMC EOC for updates</p> <p>Coordinate with EOCs of all earthquake affected areas</p> <p>Check available resources for possible augmentation</p>			
<b>D + 10 MINUTES</b>	<p>Anticipate Aftershocks</p> <p>Conduct communications check. Use backup communication systems, if needed, such as HF, VHF, satellite phones, base radios, short-range radios, BGAN, and messengers/ riders</p> <p>Establish contact with respective EOC for situation updates. If existing EOCs are already compromised, activate alternate EOCs</p>						<p>Closely coordinate with NDRRMC EOC for updates</p> <p>Alert RDRRMC and LDRRMCs to standby for possible augmentation</p>			
<b>D + 20 MINUTES</b>	<p>Anticipate Aftershocks</p> <p>Coordinate with respective DRRMC member agencies/offices for situation updates</p> <p>Activate and convene Response Clusters</p> <p>Organize available RDANA Teams, IMTs and other response teams</p> <p>Gather and consolidate available initial reports</p>						<p>Continue coordination with NDRRMC EOC and other EOCs of affected areas.</p> <p>If no contact at this point, convene RDRRMC and prepare teams for mobilization.</p>	<p>Closely coordinate with the 1<sup>st</sup> wave of Assisting RDRRMCs</p> <p>Standby ready for possible augmentation</p>		
<b>D + 30 MINUTES</b>	<p>Anticipate Aftershocks</p> <p>Activate respective contingency plans based on intensity (VI and above) or based on reports gathered</p> <p>Mobilize RDANA Teams, IMTs and other response teams, as available and as needed</p>						<p>Anticipate Aftershocks</p> <p>Activate Harmonized National Contingency Plan based on intensity (VI and above) or based on reports gathered</p> <p>Establish linkage with Assisting RDRRMCs</p> <p>Mobilize response teams, as available and as needed</p>	<p>If PHIVOLCS confirms the magnitude 7.2 earthquake due to WVF movement, activate response teams based on Harmonized National Contingency Plan</p> <p>Begin mobilization of teams going to earthquake affected areas</p>	<p>Closely coordinate with the 1<sup>st</sup> wave of Assisting RDRRMCs</p> <p>Standby ready for possible augmentation</p>	

## HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

<b>D + 45 MINUTES</b>	<p>Anticipate Aftershocks</p> <p>Continue the mobilization of response teams according to Response Clusters</p> <p>Prioritize safety and security of teams and resources using ICS</p> <p>Communicate reports and requests for augmentation to primary and alternate EOCs</p>		<p>Continuously coordinate with NDRRMC EOC while en-route</p>	<p>Closely coordinate with the 1<sup>st</sup> wave of Assisting RDRRMCs</p> <p>Standby ready for possible augmentation</p>	
<b>D + 1 HOUR</b>	<p>Anticipate Aftershocks</p> <p>Continue the mobilization of response teams according to Response Clusters</p> <p>Prioritize safety and security of teams and resources using ICS</p> <p>Communicate reports and requests for augmentation to primary and alternate EOCs</p>		<p>Continuously coordinate with NDRRMC EOC while en-route</p> <p>Coordinate with 2<sup>nd</sup> wave and 3<sup>rd</sup> wave of Assisting RDRRMCs for updates</p>	<p>Closely coordinate with the 1<sup>st</sup> wave of Assisting RDRRMCs</p> <p>Standby ready for possible augmentation</p>	
<b>D + 3 HOURS</b>	<p>Anticipate Aftershocks</p> <p>Continue the mobilization of response teams according to Response Clusters</p> <p>Prioritize safety and security of teams and resources using ICS</p> <p>Communicate reports and requests for augmentation to primary and alternate EOCs</p>	<p>Activate alternate EOC at Clark, Pampanga through RDRRMC VII</p> <p>Establish PIHARC Sites</p> <p>Facilitate Declaration of State of National Calamity</p>	<p>Report to the NDRRMC EOC upon arrival</p> <p>Check-in to the designated IMTs of earthquake affected areas</p> <p>Proceed with response</p>	<p>Closely coordinate with NDRRMC EOC for updates</p> <p>Begin mobilization of teams going to earthquake affected areas</p>	<p>Closely coordinate with NDRRMC EOC for updates</p> <p>Standby ready for possible augmentation</p>
<b>D + 8 HOURS</b>	<p>Anticipate Aftershocks</p> <p>Continue the mobilization of response teams according to Response Clusters</p> <p>Prioritize safety and security of teams and resources using ICS</p> <p>Communicate reports and requests for augmentation to primary and alternate EOCs</p>		<p>Allocate and provide more teams coming from RDRRMC, if necessary</p> <p>Provide updates to NDRRMC EOC</p>	<p>Continuously coordinate with NDRRMC EOC while en-route</p>	<p>Closely coordinate with NDRRMC EOC for updates</p> <p>Standby ready for possible augmentation</p>

## HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

<b>D + 12 HOURS</b>	<p>Anticipate Aftershocks</p> <p>Continue the mobilization of response teams according to Response Clusters</p> <p>Prioritize safety and security of teams and resources using ICS</p> <p>Communicate reports and requests for augmentation to primary and alternate EOCs</p>	<p>Continue the mobilization of teams according to Response Clusters</p> <p>Allocate and provide more teams coming from RDRRMC, if necessary</p> <p>Provide updates to NDRRMC EOC</p>	<p>Continuously coordinate with NDRRMC EOC while en-route</p>	<p>Closely coordinate with NDRRMC EOC for updates</p> <p>Standby ready for possible augmentation</p>
<b>D + 1 DAY</b>	<p>Anticipate Aftershocks</p> <p>Continue the mobilization of response teams according to Response Clusters</p> <p>Prioritize safety and security of teams and resources using ICS</p> <p>Communicate reports and requests for augmentation to primary and alternate EOCs</p>	<p>Continue the mobilization of teams according to Response Clusters</p> <p>Allocate and provide more teams coming from RDRRMC, if necessary</p> <p>Provide updates to NDRRMC EOC</p>	<p>Report to the NDRRMC EOC upon arrival</p> <p>Check-in to the designated IMTs of earthquake affected areas</p> <p>Proceed with response</p>	<p>Continuously coordinate with NDRRMC EOC while en-route</p>
<b>D + 2 DAYS</b>	<p>Anticipate Aftershocks</p> <p>Continue the mobilization of response teams according to Response Clusters</p> <p>Prioritize safety and security of teams and resources using ICS</p> <p>Communicate reports and requests for augmentation to primary and alternate EOCs</p>	<p>Continue the mobilization of teams according to Response Clusters</p> <p>Allocate and provide more teams coming from RDRRMC, if necessary</p> <p>Provide updates to NDRRMC EOC</p>	<p>Report to the NDRRMC EOC upon arrival</p> <p>Check-in to the designated IMTs of earthquake affected areas</p> <p>Proceed with response</p>	
<b>D + 4 DAYS</b>	<p>Anticipate Aftershocks</p> <p>Continue the mobilization of response teams according to Response Clusters</p> <p>Prioritize safety and security of teams and resources using ICS</p> <p>Communicate reports and requests for augmentation to primary and alternate EOCs</p>	<p>Continue the mobilization of teams according to Response Clusters</p> <p>Allocate and provide more teams coming from RDRRMC, if necessary</p> <p>Provide updates to NDRRMC EOC</p>		

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

<b>D + 14 DAYS ONWARDS</b>	<p style="text-align: center;">Anticipate Aftershocks</p> <p style="text-align: center;">Continue the mobilization of response teams according to Response Clusters</p> <p style="text-align: center;">Prioritize safety and security of teams and resources using ICS</p> <p style="text-align: center;">Communicate reports and requests for augmentation to primary and alternate EOCs</p> <p style="text-align: center;">Pronounce the deactivation of the response clusters and demobilize resources that are no longer needed.</p> <p style="text-align: center;">Conduct Mental Health and Psychosocial Services (MHPSS) and Critical Incident Stress Debriefing (CISD) for responders.</p> <p style="text-align: center;">Transition to early recovery as needed</p>
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*Table 16: Summary of Harmonized Response Actions for all DRRMCs*

## COORDINATING INSTRUCTIONS

All national government agencies of the NDRRMC, MMDRRMC, affected RDRRMCs in Central Luzon and CALABARZON, all designated assisting RDRRMCs, including the lead and member agencies of the Response Clusters, EOC personnel, and IMT members are hereby directed to adhere to the following coordinating instructions:

1. All DRRMCs shall formulate their implementation plans as annexes to the Harmonized National Contingency Plan. The said implementation plans shall include the operational details of their Response Clusters, accessibility and functionality of the EOCs, and composition of the IMTs. The OCD through the Capacity Building and Training Service shall consolidate all implementation plans of the assisting RDRRMCs for further review and integration by the NDRRMC Technical Working Group.
2. All DRRMCs shall complete their respective inventory of resources that will specifically be committed for augmentation to the LGUs.
3. All DRRMCs shall upgrade their response capabilities for earthquake, particularly in Collapsed Structure Search and Rescue as well as Urban Search and Rescue.
4. Upon the occurrence of the earthquake, all assisting RDRRMCs shall immediately contact the pre-identified EOCs of the NDRRMC, MMDRRMC and RDRRMCs of Central Luzon and CALABARZON, and LGUs. Should there be absence of contact with the said EOCs, the assisting RDRRMCs shall assume that they are no longer functioning due to the effects of the earthquake. Such will prompt the assisting RDRRMCs to prepare for augmentation.
5. During response operations, all assisting RDRRMCs shall be self-sufficient. They shall utilize their own regional response capacities and resources, including their mobility and setting up facilities.
6. All response activities shall be organized according to the Cluster Approach. Actions shall be coordinated by the EOCs.
7. All tactical resources deployed at the affected sites shall be required to check-in under the command and control of the IMTs in-charge.
8. Should the affected LGUs be able to recover, they shall re-assume the management of response. Proper transfer of command shall take place.

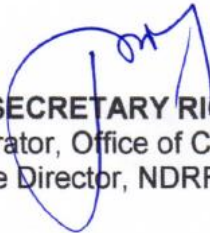


# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## EFFECTIVITY

The harmonized national contingency plan shall be effective immediately upon publication. The plan shall be considered a “working document” and be subjected to continuous review and enhancement by the NDRRMC Technical Working Group based on latest scientific studies about geological hazards, risk assessment findings, and innovations in DRRM policies and standards.

**For the Chairperson, NDRRMC:**



**UNDERSECRETARY RICARDO B. JALAD**  
Administrator, Office of Civil Defense and  
Executive Director, NDRRMC

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## REFERENCES

### Government documents:

“Greater Metropolitan Manila Area Risk Analysis Project”, 2013

“Metro Manila Earthquake Impact Reduction Study”, 2004

“National Disaster Response Plan for Earthquake and Tsunami”, 2017

“Oplan Metro Yakal Plus”, 2015

“PHVOLCS 2017 Annual Report”, 2017

### Government websites:

Philippine Statistics Authority <<https://psa.gov.ph>>

Philippine Institute of Volcanology and Seismology  
<<http://www.phivolcs.dost.gov.ph/>>

Department of Environment and Natural Resources  
<<http://ncr.denr.gov.ph/index.php/about-us/regional-profile>>  
<<http://r3.denr.gov.ph/index.php/about-us/regional-profile>>

National Nutrition Council  
<<http://www.nnc.gov.ph/regional-offices>>

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<https://www.facebook.com/leoncio.cirunayjr>

<https://www.facebook.com/CivilDefenseCordillera>

<https://www.facebook.com/ankzblog>

### Other references:

“Earthquakes hit Batangas, felt in other areas in Luzon”, 2017  
<<http://cnnphilippines.com/news/>>

“5.5 quake shakes 19 areas in Metro Manila, other parts of Luzon”, 2017  
<<http://newsinfo.inquirer.net>>

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## APPENDICES

### NDRRMC Technical Working Group

The NDRRMC Technical Working Group (TWG) is the focal body in charge of the refinement, finalization, testing, evaluation, packaging, updating and improvement of the harmonized national contingency plan.

#### Functions:

1. Conceptualize the contents of the assigned implementing and supporting plans of the harmonized national contingency plan based on inputs from key stakeholders;
2. Directly coordinate with the relevant national and regional government agencies, local government units, civil society organizations, private sector representatives, and other stakeholders to gather, consolidated, review, and synthesize inputs for assimilation in the harmonized national contingency plan, and
3. Participate in consultation meetings and workshops, and other relevant activities to be organized by the OCD that are relevant to the development of the harmonized national contingency plan.

#### Composition:

Name	Office	Specific Roles
Dir Susana Juangco	OCD	Overall in-charge
Joe-Mar Perez Alyssa Aimee Batle	OCD	Principal authors/editors
Dir Edgar Allan Tabell Robin Lim	DILG	Authors/editors and coordinators for the development of Management of the Dead and the Missing Cluster Plan
Dir Gloria Balboa Dr Irvin Miranda Francis Raize Bautista	DOH	Authors/editors and coordinators for the development of Health Cluster Plan
PSUPT JOHNNY CAPALOS PCISNP WILSON LAGAN JR	PNP	Authors/editors and coordinators for the development of Law and Order Cluster Plan
COL ANTONIO NAFARETE GSC PA CPT LYNDON DEL ROSARIO PAF	AFP	Authors/editors and coordinators for the development of Search, Rescue and Retrieval Cluster Plan
Dir Edward Yulo Jose Arcel Donato	DFA	Authors/editors and coordinators for the development of International Humanitarian Assistance Cluster Plan

## HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

Roderick Guisadio Aileen Respicio Aubrey Bautista Arlyn Gerez	DSWD	Authors/editors and coordinators for the development of Camp Coordination and Camp Management, Protection, and Food and Non-Food Items Cluster Plans
Kessica Bersamin	DepEd	Authors/editors and coordinators for the development of Education Cluster Plan
Noel Fallario Bryan Thelmo Christian Darwin Valencia	DPWH	Authors/editors and coordinators for the development of Debris Clearing and Civil Works Plan
Rafael Olivar Kelvin Art Ofrecio	DICT; OCD	Authors/editors and coordinators for the development of Emergency Telecommunications Cluster Plan
Susana Quiambao Sonny Patron	OCD	Authors/editors and coordinators for the development of Logistics Cluster Plan
Mike Aldrin Sabado Renzie Ivan Costales	OCD I	Authors/editors and coordinators for : <ul style="list-style-type: none"> <li>• Emergency Operations Center in Metro Manila North Quadrant and Central Luzon</li> <li>• Incident Management Teams in Metro Manila North Quadrant and Central Luzon</li> </ul>
Riza Joy Hernandez Tashuana Alemana	OCD VII	
Ronald Villa Bryan De Vera	OCD II	Authors/editors and coordinators for : <ul style="list-style-type: none"> <li>• Emergency Operations Center in Metro Manila East Quadrant</li> <li>• Incident Management Team in Metro Manila East Quadrant</li> </ul>
Rebecca Lopez Fe Kalimpo	OCD XI	
Ferdinand A. Tamulto Frankie Cortez	OCD CAR	Authors/editors and coordinators for : <ul style="list-style-type: none"> <li>• Emergency Operations Center in Metro Manila West Quadrant</li> <li>• Incident Management Team in Metro Manila West Quadrant</li> </ul>
Purito Velez Lia Gaston	OCD X	
Jessar Adornado Akim Berces	OCD V	Authors/editors and coordinators for : <ul style="list-style-type: none"> <li>• Emergency Operations Center in Metro Manila South Quadrant and CALABARZON</li> <li>• Incident Management Teams in Metro Manila South Quadrant and CALABARZON</li> </ul>
Engr. Joseph Paul Nogra Melissa Banias	OCD VI	

*Table 14: Composition of NDRRMC TWG*

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## NDRRMC Memorandum No. 29, s 2017: Inventory of Emergency Response Assets in Preparation for Contingency Planning for the “Big One”



REPUBLIC OF THE PHILIPPINES  
**NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL**  
National Disaster Risk Reduction and Management Center, Camp Aguinaldo, Quezon City, Philippines

FEB 09 2017

MEMORANDUM  
NO. 29, s 2017

TO : All NDRRMC Member Agencies  
Chairpersons of RDRRMCs I, II, V, CAR, VI, VII, X and XI

SUBJECT : Inventory of Emergency Response Assets in Preparation for  
Contingency Planning for the “Big One”

### I. REFERENCES:

- a. Republic Act (RA) 10121, Implementing Rules and Regulations, Rule 6, Section 4(3): *“The Provincial, City and Municipal DRRMOs or BDRRMCs, in coordination with concerned national agencies and instrumentalities, shall facilitate and support risk assessments and contingency planning activities at the local level.”*
  - b. National Disaster Risk Reduction and Management Council (NDRRMC) and National Security Council Joint Memorandum Circular No. 1, s. 2016: Guidelines on the Formulation of Contingency Plans for Natural and Human-Induced Hazards and Adoption of the Contingency Planning Guidebook
  - c. National Disaster Risk Reduction and Management Plan, Thematic Area 2: Disaster Preparedness, Outcome 10: *“Developed and implemented comprehensive national and local preparedness and response policies, plans, and systems”*
  - d. Oplan Yakal Plus by the Metro Manila Disaster Risk Reduction and Management Council (MMDRRMC)
- II. As agreed during the National Disaster Risk Reduction and Management Council (NDRRMC) Full Council Meeting on 12 January 2017, there is a need to prepare a national-level contingency plan in response to the unlikely 7.2 magnitude earthquake hitting Metro Manila, also known as the “Big One.” Such contingency plan will upscale the coverage of provisions stipulated in the existing Oplan Yakal Plus of the MMDRRMC and will extend the arrangement of emergency response actions to the pre-identified assisting Regional Disaster Risk Reduction and Management Councils (RDRRMCs).
- III. Pursuant to this undertaking, there is a need to gather and consolidate data on all emergency response assets that can readily be made available and utilized

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Telefax: NDRRMC Opcen (+632) 911-1406; 912-2665; 912-5668; NDRRMC Secretariat (+632) 912-0441; 912-5947;  
Office of the Administrator, OCD (+632) 912-2424  
Email: dopcenbackup@gmail.com Website: www.oed.gov.ph

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE


by the NDRRMC in the event that the national government will require augmentation from the assisting RDRRMCs.

- IV. In this regard, all NDRRMC member agencies and Chairpersons of RDRRMCs I, II, V, CAR, VI, VII, X and XI are hereby enjoined to conduct an inventory of your respective emergency response assets that can be used an earthquake event. Such inventory will be used by the Office of Civil Defense (OCD) through the Capacity Building and Training Service (CBTS) to develop the contents of the national contingency plan in collaboration with the Department of the Interior and Local Government, as the Vice Chairperson for Disaster Preparedness, and all relevant stakeholders.

As stipulated in the **National Disaster Response Plan for Earthquake and Tsunami**, the response assets should coincide with the following pre-identified Emergency Response Clusters, as applicable:

- Search Rescue and Retrieval
  - HEALTH: Medical and Public Health Services, Water-Sanitation-Hygiene (WASH), Mental Health and Psycho-Social Support Services
  - Protection of Internally Displaced Persons Protection
  - Camp Coordination and Camp Management
  - Food and Non-Food Items
  - Logistics: Warehousing, Transportation, & Services
  - Law and Order
  - Emergency Telecommunications
  - Education
  - Philippine International Humanitarian Assistance
  - Management of the Dead and Missing
- V. Submit your consolidated inventory of emergency response assets to the OCD CBTS via email, **ocndrrmctraining@gmail.com**, not later than **31 March 2017** using the prescribed format.
- VI. Our focal person, Mr. Joe-Mar Perez of the OCD CBTS, will coordinate with your respective offices regarding this undertaking. For other details, Mr. Perez can be reached at telephone number (02) 912-4832 or (02) 421-1926 and email address **ocndrrmctraining@gmail.com**.
- VII. For information and guidance.

For the Chairperson, NDRRMC:

  
**USEC RICARDO B. JALAD**  
Executive Director, NDRRMC and  
Administrator, OCD

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## NDRRMC Memorandum No. 43, s 2017: Designation of Assisting RDRRMCs to Augment the NDRRMC in Preparation for the 7.2 Magnitude Earthquake in Metro Manila



REPUBLIC OF THE PHILIPPINES  
**NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL**  
National Disaster Risk Reduction and Management Center, Camp Aguinaldo, Quezon City, Philippines

MAR 10 2017

**MEMORANDUM**  
No. 43,s-2017

**TO :** All NDRRMC Member Agencies  
Chairpersons of RDRRMCs I, II, V, VI, VII, X, XI, CAR and  
NCR

**SUBJECT :** Designation of Assisting RDRRMCs to Augment the  
NDRRMC in Preparation for the 7.2 Magnitude Earthquake in  
Metro Manila

### I. REFERENCES:

- a. National Disaster Response Plan (NDRP) for Earthquake and Tsunami
- b. Oplan Metro Yakal Plus by the Metro Manila Disaster Risk Reduction and Management Council (MMDRRMC)
- II. The recent 6.7 magnitude earthquake that hit Surigao City as well as the other series of earthquake events in the country is a call to reinforce and strengthen the disaster preparedness activities of the National Disaster Risk Reduction and Management Council (NDRRMC) in the unlikely occurrence of a 7.2 magnitude earthquake hitting Metro Manila.
- III. In this regard, the following Regional Disaster Risk Reduction and Management Councils (RDRRMCs) are hereby designated to assist and provide augmentation to the MMDRRMC and the NDRRMC in accordance with the four (4) quadrants stipulated in the NDRP and the Oplan Metro Yakal Plus:

North Quadrant	Primary	: RDRRMC I
	Secondary	: RDRRMC VII
South Quadrant	Primary	: RDRRMC V
	Secondary	: RDRRMC VI
East Quadrant	Primary	: RDRRMC II
	Secondary	: RDRRMC XI
West Quadrant	Primary	: CAR DRRMC
	Secondary	: RDRRMC X

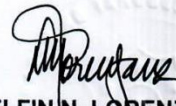
Telefax: NDRRMC Opcen (+632) 911-1406; 912-2665; 912-5668; NDRRMC Secretariat (+632) 912-0441; 912-5947;  
Office of the Administrator, OCD (+632) 912-2424  
Email: dopcenbackup@gmail.com Website: www.oed.gov.ph

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

- IV. As assisting RDRRMCs, you are hereby directed to formulate your respective Regional Disaster Response Plans, Response Cluster Plans, and Regional Contingency Plans through lateral coordination with the MMDRRMC. The said plans will also serve as inputs to the National Contingency Plan being developed by the Office of Civil Defense (OCD) Capacity Building and Training Service (CBTS).

You are also directed to conduct training and simulation exercises to upscale the capacities and capabilities of your disaster response groups, particularly in inter-agency coordination, Urban Search and Rescue (USAR), and Collapsed-Structure Search and Rescue (CSSR).

- V. Further, all NDRRMC member agencies are hereby enjoined to extend this directive to your respective offices operating at the regional and local levels and collaborate with the concerned assisting RDRRMCs.
- VI. Submit a report on your accomplishments and plan of actions to the OCD CBTS, as the Secretariat for the Disaster Preparedness of the NDRRMC, not later than 31 March 2017.
- VII. For information and guidance.



**DELFIN N. LORENZANA**  
Secretary of National Defense and  
Chairperson, NDRRMC



SECRETARY OF  
NATIONAL DEFENSE



DNL-171668



# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## NDRRMC Memorandum No. 91, s 2017: Constitution of Technical Working Group (TWG) to Develop the Harmonized National Contingency Plan for the 7.2 Magnitude Earthquake



REPUBLIC OF THE PHILIPPINES  
**NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL**  
National Disaster Risk Reduction and Management Center, Camp Aguinaldo, Quezon City, Philippines

MEMORANDUM  
No. 91, s 2017

JUL 20 2017

TO : ALL CONCERNED REPRESENTATIVES FROM  
OCD AND NDRRMC MEMBER AGENCIES

SUBJECT : Constitution of Technical Working Group (TWG) to  
Develop the Harmonized National Contingency Plan for  
the 7.2 Magnitude Earthquake

Pursuant to the agreements of the NDRRMC, there is a need to develop the harmonized national contingency plan for the 7.2 magnitude earthquake. The said plan shall provide the response arrangements of the NDRRMC, Metro Manila DRRMC, and assisting Regional DRRMCs in the anticipated occurrence of 7.2 magnitude earthquake affecting Metro Manila, Central Luzon, and CALABARZON.

For this purpose, the TWG composed of the representatives from the following offices is hereby constituted:

Office	Members	Plan Assignments
DILG	USEC Austere Panadero Dir Edgar Allan Tabell	Management of the Dead and the Missing Cluster
PNP	PSUPT JOHNNY CAPALOS PCISNP WILSON LAGAN JR	Law and Order Cluster
AFP	COL ANTONIO NAFARRETE GSC PA CPT LYNDON DEL ROSARIO PAF	Search, Rescue and Retrieval Cluster
DFA	Dir Edward Yulo Jose Arcel Donato	International Humanitarian Assistance Cluster
DOH	Dir Gloria Balboa Dr Irvin Miranda	Health Cluster
DSWD	Aubrey Bautista Roderick Guisadio Aileen Respicio Arlyn Gerez	Camp Coordination and Camp Management Cluster Protection Cluster Food and Non-Food Items Cluster
DepEd	Trestan Rey Ebare Byrone Fabiosa	Education Cluster
DPWH	Bryan Thelmo Christian Darwin Valencia	Debris Clearing and Civil Works
DICT/ OCD Information and Communications Technology Division	Rafael Olivar Kelvin Art Ofrecio	Emergency Telecommunications Cluster
OCD Logistics, Interoperability and Force Management Division	Susana Quiambao Sonny Patron	Logistics Cluster
OCD Region I  OCD Region VII	Mike Aldrin Sabado Renzie Ivan Costales Riza Joy Hernandez Tashuana Alemana	Emergency Operations Center in Metro Manila North Quadrant and Central Luzon  Incident Management Teams in Metro Manila North Quadrant and Central Luzon

Telefax: OCD Capacity-Building and Training Service (+632) 912-4832; (+632) 421-1926  
Office of the Administrator, OCD (+632) 912-2424

## HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

OCD Region II OCD Region XI	Ronald Villa Bryan De Vera Rebecca Lopez Fe Kalimpo	Emergency Operations Center in Metro Manila East Quadrant  Incident Management Team in Metro Manila East Quadrant
OCD CAR OCD Region X	Ferdinand A. Tamulto Frankie Cortez Purito Velez Lia Gaston	Emergency Operations Center in Metro Manila West Quadrant  Incident Management Team in Metro Manila West Quadrant
OCD Region V OCD Region VI	Dir Blanche Gobenciong Jessar Adornado Akim Berces Engr. Joseph Paul Nogra Melissa Banias	Emergency Operations Center in Metro Manila South Quadrant and CALABARZON  Incident Management Teams in Metro Manila South Quadrant and CALABARZON
OCD Capacity-Building and Training Service	Dir Susana Juangco Joe-Mar Perez Alyssa Aimee Batle	Consolidation of contents of harmonized national contingency plan


The duties and responsibilities of the TWG are as follows:

1. Develop and write the contents of the assigned implementing and supporting plans of the harmonized national contingency plan based on inputs from key stakeholders;
2. Directly coordinate with the relevant national and regional government agencies, local government units, civil society organizations, private sector representatives, and other stakeholders to gather, consolidated, review, and synthesize inputs for assimilation in the harmonized national contingency plan, and
3. Participate in consultation meetings and workshops, and other relevant activities to be organized by the OCD that are relevant to the development of the harmonized national contingency plan.

Our focal person, Mr. Joe-Mar Perez of the OCD Capacity-Building and Training Service, will get in touch with you regarding the details of your respective plan assignments as well as schedules for the next activities of the TWG. For other matters, Mr. Perez can be reached at telephone number (02) 912-4832 or (02) 421-1926 and email address [cbts@ocd.gov.ph](mailto:cbts@ocd.gov.ph).

For information and guidance.

For the Chairperson, NDRRMC:

  
**USEC RICARDO B JALAD**  
 Executive Director, NDRRMC and  
 Administrator, OCD

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## NDRRMC Memorandum No. 129, s 2017: Completion of Implementation Plans in connection with the Harmonized National Contingency Plan for the 7.2 Magnitude Earthquake



REPUBLIC OF THE PHILIPPINES  
**NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL**  
National Disaster Risk Reduction and Management Center, Camp Aguinaldo, Quezon City, Philippines

OCT 18 2017

MEMORANDUM  
No. 129, s 2017

TO : MEMBERS OF THE NDRRMC TECHNICAL WORKING GROUP (TWG)

SUBJECT : Completion of Implementation Plans in connection with the Harmonized National Contingency Plan for the 7.2 Magnitude Earthquake

Pursuant to the agreements of the National Disaster Risk Reduction and Management Council (NDRRMC) regarding earthquake preparedness, there is a need to develop a national-level contingency plan for the anticipated 7.2 magnitude earthquake. The said plan shall provide the response arrangements of the NDRRMC, Metro Manila DRRMC, and assisting Regional DRRMCs in the occurrence of 7.2 magnitude earthquake affecting Metro Manila, Central Luzon, and CALABARZON.

For this purpose, attached is the **Harmonized National Contingency Plan for the 7.2 Magnitude Earthquake** that was prepared by the Office of Civil Defense (OCD) in collaboration with national, regional and local stakeholders. The said contingency plan was developed through series of meetings and workshops that was participated in by the NDRRMC member agencies and RDRRMCs in Luzon, Visayas, and Mindanao.

Per guidelines stipulated in the **NDRRMC and National Security Council Joint Memorandum Circular No. 1 s 2016: Guidelines on the Formulation of Contingency Plans for Natural and Human-Induced Hazards and Adoption of the Contingency Planning Guidebook**, there is a need for the contingency plan to undergo regular review, testing, updating, and enhancement. As agreed during the recent NDRRMC Technical Working Group (TWG) Meeting on 08 September 2017, the following TWG members are hereby directed to complete their respective implementation plans in connection with the harmonized national contingency plan.

Name	Office	Assignments
USEC Austere Panadero Dir Edgar Allan Tabell	DILG	Implementation Plan for Management of the Dead and the Missing Cluster
Dir Gloria Balboa Dr Irvin Miranda	DOH	Implementation Plan for the Health Cluster
PSUPT JOHNNY CAPALOS PCISNP WILSON LAGAN JR	PNP	Implementation Plan for the Law and Order Cluster
COL ANTONIO NAFARETE GSC PA CPT LYNDON DEL ROSARIO PAF	AFP	Implementation Plan for the Search, Rescue and Retrieval Cluster

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Office of the Administrator, OCD (+632) 812-2424  
Email: cbts@ood.gov.ph; oodrrmctraining@gmail.com Website: www.ood.gov.ph

## HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

Dir Edward Yulo Jose Arcel Donato	DFA	Implementation Plan for the International Humanitarian Assistance Cluster
Aubrey Bautista Roderick Guisadio Aileen Respicio Arlyn Gerez	DSWD	Implementation Plan for the Camp Coordination and Camp Management, Protection, and Food and Non-Food Items Clusters
Trestan Rey Ebare Byrone Fabiosa	DepEd	Implementation Plan for the Education Cluster
Bryan Thelmo Christian Darwin Valencia	DPWH	Implementation Plan for the Debris Clearing and Civil Works
Rafael Olivar Kelvin Art Ofrecio	DICT; OCD	Implementation Plan for the Emergency Telecommunications Cluster
Susana Quiambao Sonny Patron	OCD	Implementation Plan for the Logistics Cluster
Mike Aldrin Sabado Renzie Ivan Costales	OCD Region I	Implementation Plan for the following: <ul style="list-style-type: none"> <li>• Emergency Operations Center in Metro Manila North Quadrant and Central Luzon</li> <li>• Incident Management Teams in Metro Manila North Quadrant and Central Luzon</li> </ul>
Riza Joy Hernandez Tashuana Alemana	OCD Region VII	
Ronald Villa Bryan De Vera	OCD Region II	Implementation Plan for the following: <ul style="list-style-type: none"> <li>• Emergency Operations Center in Metro Manila East Quadrant</li> <li>• Incident Management Team in Metro Manila East Quadrant</li> </ul>
Rebecca Lopez Fe Kalimpo	OCD Region XI	
Ferdinand A. Tamulto Frankie Cortez	OCD CAR	Implementation Plan for the following: <ul style="list-style-type: none"> <li>• Emergency Operations Center in Metro Manila West Quadrant</li> <li>• Incident Management Team in Metro Manila West Quadrant</li> </ul>
Purito Velez Lia Gaston	OCD Region X	
Jessar Adornado Akim Berces	OCD Region V	Implementation Plan for the following: <ul style="list-style-type: none"> <li>• Emergency Operations Center in Metro Manila South Quadrant and CALABARZON</li> <li>• Incident Management Teams in Metro Manila South Quadrant and CALABARZON</li> </ul>
Engr. Joseph Paul Nogra Melissa Baniyas	OCD Region VI	

Attached are the prescribed templates for the implementation plans for Response Clusters, Emergency Operations Centers, and Incident Management Teams.

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

Submit all implementation plans to the OCD through the Capacity-Building and Training Service (CBTS) via email, [cbts@ocd.gov.ph](mailto:cbts@ocd.gov.ph), **not later than 27 October 2017**.

Our focal person, Mr. Joe-Mar Perez of the OCD CBTS, will get in touch with you regarding the details of your respective plan assignments. For other matters, Mr. Perez can be reached at telephone number (02) 912-4832 or (02) 421-1926 and email address [cbts@ocd.gov.ph](mailto:cbts@ocd.gov.ph).

For information and guidance.

For the Chairperson, NDRRMC:



**USEC RICARDO B. JALAD**  
Executive Director, NDRRMC and  
Administrator, OCD

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## NDRRMC Memorandum No. 7, s 2018: Dissemination of Harmonized National Contingency Plan for the 7.2 Magnitude Earthquake for Comments and Recommendations



REPUBLIC OF THE PHILIPPINES  
**NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL**  
National Disaster Risk Reduction and Management Center, Camp Aguinaldo, Quezon City, Philippines

JAN 12 2018

MEMORANDUM  
No. 07, s 2018

TO : ALL NDRRMC MEMBER AGENCIES  
ALL CHAIRPERSONS OF RDRRMCs

SUBJECT : Dissemination of Harmonized National Contingency  
Plan for the 7.2 Magnitude Earthquake for Comments  
and Recommendations

Pursuant to the agreements of the National Disaster Risk Reduction and Management Council (NDRRMC) regarding earthquake preparedness, there is a need to develop a national-level contingency plan for the anticipated 7.2 magnitude earthquake. The said plan shall provide the response arrangements of the NDRRMC, Metro Manila DRRMC, and assisting Regional DRRMCs in the occurrence of 7.2 magnitude earthquake affecting Metro Manila, Central Luzon, and CALABARZON.

For this purpose, attached is the **Harmonized National Contingency Plan for the 7.2 Magnitude Earthquake** that was prepared by the Office of Civil Defense (OCD) in collaboration with national, regional and local stakeholders. The said contingency plan is approved as a "working document" and was developed through series of meetings and workshops that was participated in by the NDRRMC member agencies and RDRRMCs in Luzon, Visayas, and Mindanao.


Per guidelines stipulated in the **NDRRMC and National Security Council Joint Memorandum Circular No. 1 s 2016: Guidelines on the Formulation of Contingency Plans for Natural and Human-Induced Hazards and Adoption of the Contingency Planning Guidebook**, there is a need for the contingency plan to undergo regular review, testing, updating, and enhancement. In this regard, **all NDRRMC member agencies and Regional Chairpersons of RDRRMCs are hereby enjoined to submit comments and recommendations for further enhancement of the Harmonized National Contingency Plan.**

Submit all comments and recommendations to the OCD through the Capacity-Building and Training Service (CBTS) via email, [cbts@ocd.gov.ph](mailto:cbts@ocd.gov.ph), **not later than 29 January 2018.**

Our focal person, Mr. Joe-Mar Perez of the OCD CBTS, will get in touch with you regarding the details of the Harmonized National Contingency Plan. For other matters, Mr. Perez can be reached at (02) 912-4832 / (02) 421-1926 or [cbts@ocd.gov.ph](mailto:cbts@ocd.gov.ph).

For information and guidance.

For the Chairperson, NDRRMC:

  
**USEC RICARDO B. JALAD**  
Executive Director, NDRRMC and  
Administrator, OCD

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Telefax: OCD Capacity-Building and Training Service (+632) 912-4832; (+632) 421-1926  
Office of the Administrator, OCD (+632) 912-2424  
Email: [cbts@ocd.gov.ph](mailto:cbts@ocd.gov.ph), [ocddrmctraining@gmail.com](mailto:ocddrmctraining@gmail.com) Website: [www.ocd.gov.ph](http://www.ocd.gov.ph)

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## NDRRMC Memorandum No. 8, s 2018: Completion of Implementation Plans in connection with the Harmonized National Contingency Plan for the 7.2 Magnitude Earthquake



REPUBLIC OF THE PHILIPPINES  
**NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL**  
National Disaster Risk Reduction and Management Center, Camp Aguinaldo, Quezon City, Philippines

JAN 18 2018

**MEMORANDUM**  
No. 08, s 2018

**TO :** MEMBERS OF THE NDRRMC TECHNICAL WORKING GROUP (TWG)

**SUBJECT :** Completion of Implementation Plans in connection with the Harmonized National Contingency Plan for the 7.2 Magnitude Earthquake.

Pursuant to the agreements of the National Disaster Risk Reduction and Management Council (NDRRMC) regarding earthquake preparedness, there is a need to develop a national-level contingency plan for the anticipated 7.2 magnitude earthquake. The said plan shall provide the response arrangements of the NDRRMC, Metro Manila DRRMC, and assisting Regional DRRMCs in the occurrence of 7.2 magnitude earthquake affecting Metro Manila, Central Luzon, and CALABARZON.

For this purpose, attached is the **Harmonized National Contingency Plan for the 7.2 Magnitude Earthquake** that was prepared by the Office of Civil Defense (OCD) in collaboration with national, regional and local stakeholders. The said contingency plan was developed through series of meetings and workshops that was participated in by the NDRRMC member agencies and RDRRMCs in Luzon, Visayas, and Mindanao.

Per guidelines stipulated in the **NDRRMC and National Security Council Joint Memorandum Circular No. 1 s 2016: Guidelines on the Formulation of Contingency Plans for Natural and Human-Induced Hazards and Adoption of the Contingency Planning Guidebook**, there is a need for the contingency plan to undergo regular review, testing, updating, and enhancement. As agreed during the recent NDRRMC Technical Working Group (TWG) Meeting on 08 September 2017, the following TWG members are hereby directed to complete their respective implementation plans in connection with the harmonized national contingency plan.

Name	Office	Assignments
USEC Austere Panadero Dir Edgar Allan Tabell	DILG	Implementation Plan for Management of the Dead and the Missing Cluster
Dir Gloria Balboa Dr Irvin Miranda	DOH	Implementation Plan for the Health Cluster
PSUPT JOHNNY CAPALOS PCISNP WILSON LAGAN JR	PNP	Implementation Plan for the Law and Order Cluster
COL ANTONIO NAFARETE GSC PA CPT LYNDON DEL ROSARIO PAF	AFP	Implementation Plan for the Search, Rescue and Retrieval Cluster

Telefax: OCD Capacity-Building and Training Service (+632) 912-4832; (+632) 421-1926  
Office of the Administrator, OCD (+632) 912-2424  
Email: cbts@oocd.gov.ph; oocddrmctraining@gmail.com Website: www.oocd.gov.ph

## HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

Dir Edward Yulo Jose Arcel Donato	DFA	Implementation Plan for the International Humanitarian Assistance Cluster
Aubrey Bautista Roderick Guisadio Aileen Respicio Arlyn Gerez	DSWD	Implementation Plan for the Camp Coordination and Camp Management, Protection, and Food and Non-Food Items Clusters
Trestan Rey Ebare Byrone Fabiosa	DepEd	Implementation Plan for the Education Cluster
Bryan Thelmo Christian Darwin Valencia	DPWH	Implementation Plan for the Debris Clearing and Civil Works
Rafael Olivar Kelvin Art Ofrecio	DICT; OCD	Implementation Plan for the Emergency Telecommunications Cluster
Susana Quiambao Sonny Patron	OCD	Implementation Plan for the Logistics Cluster
Mike Aldrin Sabado Renzie Ivan Costales	OCD Region I	Implementation Plan for the following: <ul style="list-style-type: none"> <li>• Emergency Operations Center in Metro Manila North Quadrant and Central Luzon</li> <li>• Incident Management Teams in Metro Manila North Quadrant and Central Luzon</li> </ul>
Riza Joy Hernandez Tashuana Alemana	OCD Region VII	
Ronald Villa Bryan De Vera	OCD Region II	Implementation Plan for the following: <ul style="list-style-type: none"> <li>• Emergency Operations Center in Metro Manila East Quadrant</li> <li>• Incident Management Team in Metro Manila East Quadrant</li> </ul>
Rebecca Lopez Fe Kalimpo	OCD Region XI	
Ferdinand A. Tamulto Frankie Cortez	OCD CAR	Implementation Plan for the following: <ul style="list-style-type: none"> <li>• Emergency Operations Center in Metro Manila West Quadrant</li> <li>• Incident Management Team in Metro Manila West Quadrant</li> </ul>
Purito Velez Lia Gaston	OCD Region X	
Jessar Adornado Akim Berces	OCD Region V	Implementation Plan for the following: <ul style="list-style-type: none"> <li>• Emergency Operations Center in Metro Manila South Quadrant and CALABARZON</li> <li>• Incident Management Teams in Metro Manila South Quadrant and CALABARZON</li> </ul>
Engr. Joseph Paul Nogra Melissa Baniias	OCD Region VI	

Attached are the prescribed templates for the implementation plans for Response Clusters, Emergency Operations Centers, and Incident Management Teams.




## HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

Submit all implementation plans to the OCD through the Capacity-Building and Training Service (CBTS) via email, [cbts@ocd.gov.ph](mailto:cbts@ocd.gov.ph), **not later than 29 January 2018**.

Our focal person, Mr. Joe-Mar Perez of the OCD CBTS, will get in touch with you regarding the details of your respective plan assignments. For other matters, Mr. Perez can be reached at (02) 912-4832 / (02) 421-1926 or [cbts@ocd.gov.ph](mailto:cbts@ocd.gov.ph).

For information and guidance.

For the Chairperson, NDRRMC:

  
**USEC RICARDO B. JALAD**  
Executive Director, NDRRMC and  
Administrator, OCD

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## NDRRMC Memorandum No. 68, s 2018: Reiteration of Submission of Implementation Plans and Other Relevant Information in connection with Harmonized National Contingency Plan for the 7.2 Magnitude Earthquake



REPUBLIC OF THE PHILIPPINES  
**NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL**  
National Disaster Risk Reduction and Management Center, Camp Aguinaldo, Quezon City, Philippines

JUN 18 2018

**MEMORANDUM**  
No. 68, s 2018

**TO :** MEMBERS OF THE NDRRMC TECHNICAL WORKING GROUP (TWG) AND ALL OCD REGIONAL DIRECTORS

**SUBJECT :** Reiteration of Submission of Implementation Plans and Other Relevant Information in connection with the Harmonized National Contingency Plan for the 7.2 Magnitude Earthquake

Pursuant to NDRRMC Memorandum No. 08, s. 2018 issued on 12 January 2018 as well as the agreements during the NDRRMC Technical Working Group (TWG) Meeting on 19 April 2018, all Response Clusters and Assisting RDRRMCs are required to submit implementation plans that shall form part of the Harmonized National Contingency Plan for the 7.2 Magnitude Earthquake.

In view thereof, the following Response Cluster Lead Agencies are hereby enjoined to develop their respective Cluster Implementation Plans in support of the Harmonized National Contingency Plan for the 7.2 Magnitude Earthquake in Greater Metro Manila Area:

Response Cluster	Lead Agency	Focal Persons
Management of the Dead and the Missing	DILG	USEC Austere Panadero Dir. Edgar Allan Tabell
Camp Coordination and Camp Management Protection Food and Non-Food Items	DSWD	Arlyn Gerez Roderick Guisadio Aileen Respicio Aubrey Bautista
Health	DOH	Dr. Irvin Miranda Francis Raize Bautista
Philippine International Humanitarian Assistance	DFA	Dir. Edward Yulo Jose Arcel Donato
Law and Order	PNP	PSUPT JOHNNY CAPALOS PCISNP WILSON LAGAN JR
Search, Rescue and Retrieval	AFP	LTC RODOLFO A GESIM PA A1C ERNESTO P OBINQUE PAF
Education	DepEd	Trestan Rey Ebare Byrone Fabiosa Francis De Leon
Debris Clearing and Civil Works	DPWH	Bryan Thelmo Christian Darwin Valencia

## HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

Response Cluster	Lead Agency	Focal Persons
Emergency Telecommunications	DICT; OCD ICTD	Rafael Olivar Kelvin Art Ofrecio
Logistics	OCD LIFMD	Susana Quiambao Sonny Patron
Scenario	Lead Agency	Focal Persons
Overall earthquake scenario	PHIVOLCS	Ishmael Narag Charmaine Villamil

Likewise, the following OCD Regional Directors of the Affected and Assisting RDRRMCs are hereby tasked, as follows:

Affected RDRRMCs	Assignments
Dir. Romulo Cabantac, OCD NCR Dir. Marlou Salazar, OCD Region III Dir. Olivia Lucas, OCD CALABARZON	<ol style="list-style-type: none"> <li>Detailed earthquake scenario in the region</li> <li>Updated risk estimates (projected number of casualties, damages to critical lifelines, etc.)</li> <li>Recommended TWG Members for the Harmonized National CP (one primary and one alternate)</li> </ol>
Assisting RDRRMCs	Assignments
Dir. Melchito Castro, OCD Region I Dir. Dante Balao, OCD Region II Dir. Eugene Cabrera, OCD MIMAROPA Dir. Claudio Yucot, OCD Region V Dir. Jose Roberto Nuñez, OCD Region VI Dir. Concepcion Ornopia, OCD Region VII Dir. Henry Anthony Torres, OCD Region VIII Dir. Leoncio Cirunay, OCD Region IX Dir. Rosauro Arnel Gonzales, OCD Region X Dir. Manuel Luis Ochotorena, OCD Region XI Dir. Liza Mazo, OCD CARAGA Dir. Raylindo Aniñon, OCD ARMM Dir. Andrew Alex Uy, OCD CAR	<ol style="list-style-type: none"> <li>Comments re Proposed Regional Quadrant Assignments</li> <li>Implementation Plan for the Establishment of Remote Emergency Operations Center</li> <li>Implementation Plan for the Mobilization of Regional Incident Management Team</li> <li>Inventory of RDRRMC Response Cluster Assets for Earthquake Response</li> <li>Updating of TWG Members for Harmonized National CP (one primary and one alternate)</li> </ol>

Attached are the updated templates for the implementation plans for Response Clusters of the NDRRMC, Emergency Operations Centers and Incident Management Teams of the Assisting RDRRMCs, as well as the inventory of resources.

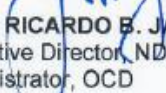
Submit all implementation plans and other relevant assignments to the OCD through the Capacity Building and Training Service (CBTS) via email, [cbts@ocd.gov.ph](mailto:cbts@ocd.gov.ph) / [ocdnrdmctraining2018@gmail.com](mailto:ocdnrdmctraining2018@gmail.com), **not later than 17 August 2018.**

## HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

Our focal person, Mr. Joe-Mar Perez of the OCD CBTS, will get in touch with you regarding the details of your respective assignments. For other matters, Mr. Perez can be reached at (02) 912-4832 / (02) 421-1926 or [cbts@ocd.gov.ph](mailto:cbts@ocd.gov.ph) / [ocdndrrmctraining2018@gmail.com](mailto:ocdndrrmctraining2018@gmail.com).

For information and guidance.

For the Chairperson, NDRRMC:

  
**USEC RICARDO B. JALAD**  
Executive Director, NDRRMC and  
Administrator, OCD

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## NDRRMC Memorandum No. 31, s 2019: Updates on the Harmonized National Contingency Plan for the Magnitude 7. Earthquake



REPUBLIC OF THE PHILIPPINES  
**NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL**  
National Disaster Risk Reduction and Management Center, Camp Aguinaldo, Quezon City, Philippines

MAR 29 2019

**MEMORANDUM**  
No. 31, s. 2019

**TO :** DISASTER RISK REDUCTION AND MANAGEMENT  
COUNCILS AT ALL LEVELS, GOVERNMENT  
DEPARTMENTS, BUREAUS, AGENCIES, UNITS,  
INSTRUMENTALITIES, AND OTHER STAKEHOLDERS

**SUBJECT :** Updates on the Harmonized National Contingency  
Plan for the Magnitude 7.2 Earthquake

The Office of Civil Defense (OCD), in collaboration with the NDRRMC member agencies and partners, successfully developed the Harmonized National Contingency Plan for the Magnitude 7.2 Earthquake. The plan provides for the response arrangements of the affected LDRRMCs, RDRRMCs in Metro Manila, Central Luzon, and CALABARZON, NDRRMC, and all assisting RDRRMCs in the occurrence of magnitude 7.2 earthquake due to the movement of the West Valley Fault. Pursuant to NDRRMC Memorandum No. 07, s.2018, the said plan was approved and disseminated as a "working document" on 12 January 2018, to be subjected for further enhancement.

Following the plan's approval and dissemination, the OCD conducted several consultations, workshops, and meetings to further enhance the plan. Based on all inputs and recommendations received by the OCD, attached is the updated version of the Harmonized National Contingency Plan. The highlights of significant updates in the plan are as follows:

- a. Incorporated latest impact estimates based on the earthquake contingency plans from Metro Manila, Central Luzon and CALABARZON;
- b. Improved the objectives and projected timeline of actions for the NDRRMC Response Clusters;
- c. Revised the regional separation of Metro Manila from "quadrants" to "sectors";
- d. Updated location of alternate Emergency Operations Centers to be established by MMDRRMC and the on-site EOCs by the assisting RDRRMCs; and
- e. Emphasized the primary role of local government units (LGUs) as first responders pursuant to Section 15 of Republic Act 10121 and the assisting RDRRMCs as augmentation to the requirements of the LGUs.


## HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

As part of the ongoing efforts for earthquake preparedness, all DRRMCs at all levels, government departments, bureaus, agencies, units, instrumentalities, and other stakeholders are hereby enjoined to continuously submit comments and recommendations to the OCD for further enhancement of the Harmonized National Contingency Plan.

For additional details regarding the Harmonized National Contingency Plan, our focal person, Mr. Joe-Mar Perez from OCD Capacity Building and Training Service, may be reached at (02) 912-4832 / (02) 421-1926 or [ocdndrmctraining2019@gmail.com](mailto:ocdndrmctraining2019@gmail.com).

For information and guidance.

For the Chairperson, NDRRMC:

  
**USEC RICARDO B. JALAD**  
Executive Director, NDRRMC and  
Administrator, OCD



# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## Photo-Documentation

### 1<sup>st</sup> Workshop to Develop the Harmonized National Contingency Plan

Dates: 24 – 25 April 2017

Venue: El Cielito Hotel, Makati City

Participants: NDRRMC, RDRRMC I, RDRRMC II, RDRRMC III, RDRRMC CALABARZON, RDRRMC MIMAROPA, RDRRMC V, RDRRMC CAR



# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## 2<sup>nd</sup> Workshop to Develop the Harmonized National Contingency Plan

**Dates:** 31 July – 01 August 2017

**Venue:** Days Hotel, Iloilo City

**Participants:** RDRRMC VI, RDRRMC VII, RDRRMC VIII, RDRRMC IX, RDRRMC X, RDRRMC XI, RDRRMC XII, RDRRMC CARAGA, RDRRMC NIR





# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## Contingency Plan Training for NDRRMC (Scenario: 7.2 Magnitude Earthquake)

**Dates:** 06 – 09 June 2017

**Venue:** Richville Hotel, Mandaluyong City

**Participants:** OCD and NDRRMC Member Agencies



# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## Tabletop Exercise for the Harmonized National Contingency Plan for the 7.2 Magnitude Earthquake

**Dates:** 19 – 23 November 2018

**Venue:** Makati Palace Hotel, Makati City

**Participants:** NDRRMC, RDRRMC and LGUs in Metro Manila, Central Luzon,  
CALABARZON, assisting RDRRMCs from Luzon, Visayas and Mindanao



# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## List of Contributors

### National Disaster Risk Reduction and Management Council

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64. FO2 MARIAMNIC T GASQUE	BFP
65. INSP MARLON P LOZADA	BFP
66. SINSP ROBERTO SAMILLIANO JR.	BFP
67. CPT LYNDON DEL ROSARIO PAF	AFP
68. LCDR ANDREI JASON B SANGLAY PN	AFPRESKOM
69. LTSG NELSON L REYES PN	AFPRESKOM
70. CONRADO E FRANCISCO JR	OPAPP
71. ELPIDIO N DELA CRUZ	OPAPP
72. AMOR TAN SINGCO	ACCORD
73. EDWIN SALONGA	PRIVATE (FORMER OCD)
74. KRISTAL TODCOR	PRIVATE (FORMER DEPED)
75. BEA TRESVALLES	PRIVATE (FORMER DEPED)

### **National Security Council**

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3. CARL LUCES	OCD NCR
4. EDNA CONDA	OCD NCR
5. ALDO MAYOR	MMDA
6. EMMANUEL L ONAN	MMDA
7. MODESTO CELESTINO VICENTE F MANANGAN	MMDA

## HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

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### **Regional Disaster Risk Reduction and Management Council CAR**

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4. MARY ANN G BUCLAO	DSWD CAR
5. CLARK P DIZON	DOH CAR
6. MAJ JESSIE JAMES G TUGUIC	AFP CAR
7. LEO DANIEL L LARDIZABAL	BFP CAR
8. BYRON B TEGUI-IN	PNP CAR
9. EVANGELINE MALAG	DEPED CAR

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2. BRYAN DE VERA	OCD REGION II
3. RONALD VILLA	OCD REGION II

### **Regional Disaster Risk Reduction and Management Council III**

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2. DIANE HENIE DEL ROSARIO	OCD REGION III
3. SHERWIN DIAGO	OCD REGION III
4. LERRIE HERNANDEZ	DILG REGION III
5. ERROL ERNEST DYTIANQUIN	DOH REGION III
6. CINSIP JOSE RAYMUND MANIMBU	BFP REGION III
7. PSUPT MANNY T CALMA	PNP REGION III
8. ENGR. RODOLFO DAVID	DPWH REGION III

## HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

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|---------------------|-----------------|
| 9. PAUL JESSIE CRUZ | DSWD REGION III |
| 10. VILMA SERRANO   | DSWD REGION III |

### **Regional Disaster Risk Reduction and Management Council CALABARZON**

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| 1. DIR OLIVIA LUCES          | OCD CALABARZON   |
| 2. ALEX CZAR MASIGLAT        | OCD CALABARZON   |
| 3. RICHARD BANDONG           | DILG CALABARZON  |
| 4. ORLANDO BARACHINA         | DEPED CALABARZON |
| 5. INSP. MARICRIS RODRIGUEZ  | BFP CALABARZON   |
| 6. PSI MA. VERGINIA FORMANES | PNP CALABARZON   |
| 7. VICENTE TOMAZAR           | SAN MATEO, RIZAL |

### **Regional Disaster Risk Reduction and Management Council MIMAROPA**

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| 1. DIR RUBEN L CARANDANG               | OCD MIMAROPA   |
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| 3. CHARISSE ADRIANO                    | DILG MIMAROPA  |
| 4. PURIFICATION R. ARRIOLA             | DSWD MIMAROPA  |
| 5. MARK LAWRENCE YGAR                  | DOH MIMAROPA   |
| 6. MA. CATHERINE MADRID                | DOH MIMAROPA   |
| 7. CPT CHRITOPHER L. CUENCA            | AFP MIMAROPA   |
| 8. INSP NERISSA EUGENIA P. PANER GALIN | BFP MIMAROPA   |
| 9. PSUPT ARVIN T. MOLINA               | PNP MIMAROPA   |
| 10. DIEGO BUSTAMANTE                   | DEPED MIMAROPA |

### **Regional Disaster Risk Reduction and Management Council V**

- |                                     |                |
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| 1. DIR CLAUDIO L. YUCOT             | OCD REGION V   |
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| 3. LLOYD S. LARA                    | DSWD REGION V  |
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| 7. LTC RONALD E GABOY PAF           | AFP REGION V   |
| 8. CAPT TORIBIO D ADACI JR PN (GSC) | AFP REGION V   |
| 9. FINSP PETER PAUL D MENDOZA       | BFP REGION V   |
| 10. PCINSP ALLAN E MACOY JR         | PNP REGION V   |

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## Regional Disaster Risk Reduction and Management Council VI

1. DIR JOSE ROBERTO R. NUÑEZ	OCD REGION VI
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7. SHEILA MAE SECULAR	OCD REGION VI
8. ROGENE MALAGAD	OCD REGION VI
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23. GILBERT PAUL L. VALDERRAMA	PRC REGION VI
24. LUBEN VILLARINO	PRC REGION VI
25. CLIVE T LEBIN	PA REGION VI
26. CPT LORD LAURENCE MEDINA	AFP REGION VI
27. ROSARIO CABRERA	PRIVATE (FORMER OCD)

## Regional Disaster Risk Reduction and Management Council VII

1. DIR EUGENE CABRERA	OCD REGION VII
2. ENGR VER NEIL BALABA	OCD REGION VII
3. DENNIS ATTO	OCD REGION VII
4. PSSUPT RENATO DUGAN	PNP REGION VII
5. CAPT. EDGAR B BOADO PCG	PCG REGION VII
6. ARTEMIA C. DEGAMO	DILG REGION VII
7. DR EXPEDITO A. MEDALLA	DOH REGION VII
8. RANILO L. EDAR	DEPED REGION VII
9. WILLIE JEAN B. CABANAG	DILG REGION VII
10. WILLIE JEAN CABANAG	DILG REGION VII
11. LTC WILVIN PARCON	AFP REGION VII
12. MARVIN SOLIVIO	DSWD REGION VII
13. HAROLD ALCONTIN	CEBU DRRMC
14. CONCEPCION ORNOPIA	PRIVATE (FORMER OCD)

# HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

## Regional Disaster Risk Reduction and Management Council VIII

1. DIR HENRY ANTHONY M. TORRES	OCD REGION VIII
2. REY M. GOZON	OCD REGION VIII
3. BHENLIE F. LINDE	OCD REGION VIII
4. PSUPT. GUILLERMO A MELO II	PNP REGION VIII
5. CDR LAWRENCE A. ROQUE	PCG REGION VIII
6. P/ENS NOLI C. TORRES	PCG REGION VIII
7. CRAIG LAWRENCE M. DIAZ	DOH REGION VIII
8. COL. ALFREDO P. PATARATA PA	AFP REGION VIII
9. ADRIAN THOMAS E. COLASITO	DILG REGION VIII
10. PAULINE LIZA C. NADERA	DSWD REGION VIII
11. HONEYLOU L. MORA	DSWD REGION VIII
12. BLANCHE GOBENCIONG	PRIVATE (FORMER OCD)

## Regional Disaster Risk Reduction and Management Council IX

1. DIR MANUEL LUIS M. OCHOTORENA	OCD REGION IX
2. JOSE ERIC S. CASTILLO	OCD REGION IX
3. ELMER PABILAN	OCD REGION IX
4. TERESITA CATALBAS	DILG REGION IX
5. NARABELLE BUE	DSWD REGION IX
6. SHIELA ROSE APIAG	DEPED REGION IX
7. SUZETTE O. GONZALES	DOH REGION IX
8. LTJG BRYAN A. EVANGELISTA	PCG REGION IX
9. PSUPT MADZGANI M. MUKARAM	PNP REGION IX

## Regional Disaster Risk Reduction and Management Council X

1. DIR ROSAURO ARNEL Q. GONZALES JR.	OCD REGION X
2. CATALINA L. DIGNOS	OCD REGION X
3. HAZEL L. OCCENA	DILG REGION X
4. MYRNA B. FELICILDA	DILG REGION X
5. EUSEBIO G. AGUANTA	DEPED REGION X
6. DR. DAVID A. MENDOZA	DOH REGION X
7. CAPT JEROME G WACLIN	AFP REGION X
8. PSI JOVEN T. BAHIL	PNP REGION X

## Regional Disaster Risk Reduction and Management Council XI

1. DIR MANUEL LUIS M. OCHOTORENA	OCD REGION XI
2. FRANZ IRAG	OCD REGION XI
3. NILDA JOYCE UNTAL CIRUNAY	DILG REGION XI
4. A. LUMAAD BONIFACIO JR	DSWD REGION XI
5. ENGR. CHRISTIAN LLOYD A. ROSARIO	DEPED REGION XI
6. DR PAULO PANTOJAN	DOH REGION XI
7. CPT JOSELITO S DALIDA (INF) PA	AFP REGION XI
8. PSUPT REY N CUEVAS	PNP REGION XI
9. P/ENS CHRISTIAN ROBERT T NIETO PCG	PCG REGION XI



## HARMONIZED NATIONAL CONTINGENCY PLAN FOR THE MAGNITUDE 7.2 EARTHQUAKE

### **Regional Disaster Risk Reduction and Management Council XII**

- |                              |                  |
|------------------------------|------------------|
| 1. DIR MINDA MORANTE         | OCD REGION XII   |
| 2. MA. THERESA D. BAUTISTA   | DILG REGION XII  |
| 3. EDMUND S. CORDER          | DSWD REGION XII  |
| 4. ISMAEL N. NGITNGIT        | DEPED REGION XII |
| 5. MOHAMMAD ZEIN B. KALI, RB | DOH REGION XII   |
| 6. MAJ ALVIN V TANGULIG      | AFP REGION XII   |
| 7. PSUPT ROMULO S. ESTOCAPIO | PNP REGION XII   |
| 8. PO1 ANTONIO O PERALTA     | PCG REGION XII   |

### **Regional Disaster Risk Reduction and Management Council CARAGA**

- |                           |              |
|---------------------------|--------------|
| 1. DIR LIZA R. MAZO       | OCD CARAGA   |
| 2. LUTH EDMUND A. APRESTO | DILG CARAGA  |
| 3. CAROLINE Q. CATALAN    | DSWD CARAGA  |
| 4. MANUEL O. CABERTE      | DEPED CARAGA |
| 5. DR. DIOHARRA L. APARRI | DOH CARAGA   |
| 6. LTCOL RICO O. AMARO    | AFP CARAGA   |
| 7. PCI MARIFE M. FAROL    | PNP CARAGA   |

### **Regional Disaster Risk Reduction and Management Council ARMM**

- |                       |           |
|-----------------------|-----------|
| 1. RAYLINDO S. ANIÑON | OCD ARMM  |
| 2. MAURICIO CIVILES   | DILG ARMM |