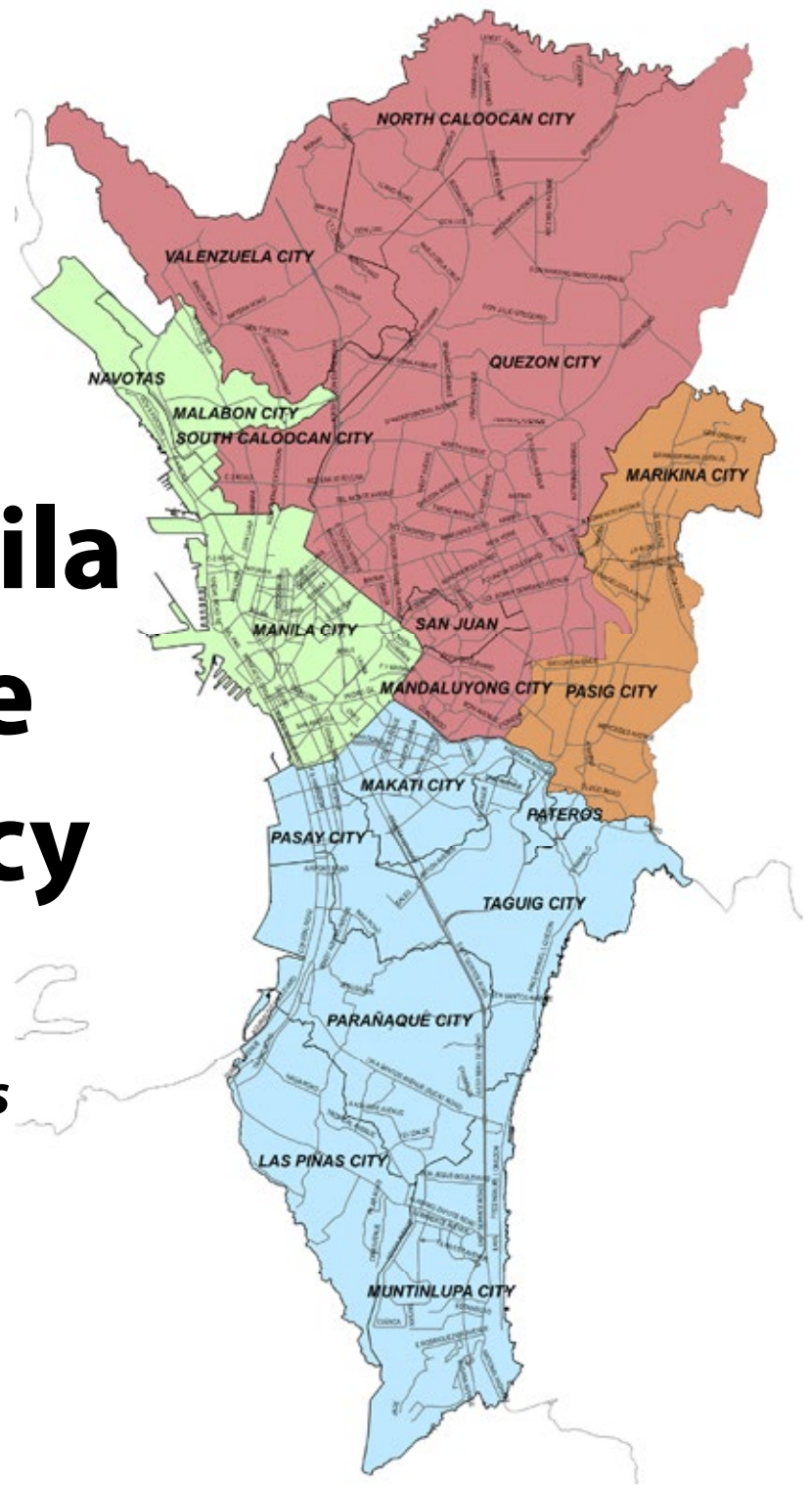


Metro Manila Earthquake Contingency Plan

Oplan Metro Yakal Plus



Metro Manila Earthquake Contingency Plan

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Metro Manila Earthquake Contingency Plan

Oplan Metro Yakal Plus



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF NATIONAL DEFENSE
OFFICE OF THE SECRETARY



MESSAGE

Our country's geography makes us vulnerable to natural disasters such as earthquakes. Thus, one of the mandates of the National Disaster Risk Reduction and Management Council (NDRRMC) is to look into, and prepare for the possibility of a strong earthquake affecting major population centers, such as Metro Manila, with great consternation and vigilance.

To prevent the loss of lives and property, we must organize and coordinate specific courses of action, as well as identify institutional roles and resources, information processes and operational arrangements, such as those contained in **Oplan Metro Yakal Plus** or the Metro Manila Integrated Contingency Plan for Earthquake (MMICP for Earthquake).

As the chairperson of the NDRRMC, I laud the efforts of the Metro Manila Disaster Risk Reduction and Management Council and "Enhancing Greater Metro Manila's Institutional Capacities for Effective Disaster/Climate Risk Management Towards Sustainable Development" or **GMMA READY Project**, implemented by the Office of the Civil Defense, and supported by our partners from the United Nations Development Program (UNDP) and the Australian Aid Program, for the development, production, and publication of Oplan Metro Yakal Plus.

May we effectively use the knowledge and the information made available in this publication to help guide us in building a safer, adaptive, and disaster-resilient Philippines

A handwritten signature in black ink, which appears to read "Voltaire T. Gazmin".

VOLTAIRE T. GAZMIN
Secretary



REPUBLIC OF THE PHILIPPINES
OFFICE OF CIVIL DEFENSE
DEPARTMENT OF NATIONAL DEFENSE



MESSAGE

All throughout our history, earthquakes have devastated cities and nations, not just by its impact on structures, but also by paralyzing the government's quick response because of lack of preparation. Given the devastating scenario of a 7.2 Magnitude earthquake from the West Valley Fault, the Oplan Metro Yakal Plus, as part of our preparedness measure, shall guide the government's response operations, as well as the other stakeholders within and outside Metro Manila.

The Oplan Metro Yakal Plus illustrates operational procedures of various agencies, which gives us a holistic view of how to minimize the impact of 7.2 Magnitude earthquakes in a quick and orderly manner with the MMDRRMC and the National Disaster Risk Reduction and Management Council (NDRRMC) at its helm, together with the support of the whole DRRM community.

This Plan forms part of the Pre-Disaster Risk Assessment Actions, Protocols and Plans (PDRA-APP) template for geologic hazards such as locally generated earthquake which do not provide ample time for warning.

We extend our gratitude for the support of the United Nations Development Programme (UNDP) and the Australian Aid Program, for the development, production, and publication of the Oplan Metro Yakal Plus, through the "Enhancing Greater Metro Manila's Institutional Capacities for Effective Disaster/Climate Risk Management Towards Sustainable Development" or GMMA READY Project.

We hope that this will inspire all of us to prepare and capacitate ourselves to be self-reliant and disaster-resilient. Congratulations and Mabuhay!


USEC ALEXANDER P. PAMA
Civil Defense Administrator
and Executive Director, NDRRMC



REPUBLIC OF THE PHILIPPINES
**METROPOLITAN MANILA DEVELOPMENT
AUTHORITY**
OFFICE OF THE PRESIDENT



MESSAGE

May I take this opportunity to acknowledge all our partners in drafting this Plan, namely, the Metro Manila Mayors, the Metro Manila Disaster Risk Reduction and Management Officers, the regional line agencies and other stakeholders involved.

Special mention is also given to our partners in the “Enhancing Greater Metro Manila Areas (GMMA) Institutional Capacities for Effective Disaster/Climate Risk Management towards Sustainable Development” or “GMMA READY Project”, with the the National Disaster Risk Reduction and Management Council - Office of Civil Defense (NDRRMC-OCD) as lead implementor.

We are also grateful to our ever reliable colleagues from the Department of Foreign Affairs and Trade (DFAT) and United Nations Development Program (UNDP) for their assistance in this endeavour.

Retaining as references MMDA’s Operations Plan known as the “*Oplan Metro Yakal*” and JICA-MMDA-PHIVOLCS’ Metro Manila Earthquake Impact Reduction Study (MMEIRS), *Oplan Metro Yakal Plus* aim to institutionalize an effective and efficient system of earthquake disaster preparedness and response of the MMDRRMC members and partners by defining their roles


Also, the Plan shall be the guide of the NDRRMC, during its support to Metro Manila Disaster Risk Reduction and Management Council (MMDRRMC) emergency operations in NCR.

OplanYakal Plus is the fruit of a series of workshops among key stakeholders in the region which includes representatives from local government units (LGUs), regional line agencies, and other member agencies of the MMDRRMC.

The challenge lies on making sure that this plan is successfully implemented, I thus call on the support of all sectors of our society to ensure its realization and help our people especially the ones at the grassroots level to understand and appreciate the goals we have set in order to that they, too, could participate in the OplanMetro Yakal Plus implementation.

As Chairperson of the MMDRRMC, let us all partner and strive for the fulfilment of this Plan for a better and safer Metro Manila.

Our congratulations and Mabuhay!


ATTY. FRANCIS N. TOLENTINO
Chairperson, MMDRRMC and
Chairman, MMDA

Contents

ACRONYMS AND ABBREVIATIONS.....	10
EXECUTIVE SUMMARY.....	14
CHAPTER 1: BACKGROUND AND RATIONALE.....	15
1.1. Introduction.....	15
1.2. Objective.....	15
1.3. Plan Formulation and Approval.....	15
1.4. Sources of Data.....	16
CHAPTER 2: GENERAL SCENARIO AND PLANNING ASSUMPTIONS.....	17
2.1. Risk Profile.....	17
2.2. Planning Assumptions.....	18
2.3. Concept of Operations.....	23
CHAPTER 3: GENERAL POLICIES.....	25
3.1. Sendai Framework for Disaster Risk Reduction (DRR) 2015-2030	25
3.2. RA 10121; Philippine Disaster Risk Reduction and Management Act of 2010.....	25
3.3. RA 7924; An Act Creating The Metropolitan Manila Development Authority, Defining Its Powers And Function, Providing Funds Therefore And Other.....	25
CHAPTER 4: SECTORAL PLANS AND ARRANGEMENTS.....	26
4.1. Command and Control.....	26
4.2. Communication and Warning.....	35
4.3. Safety and Security.....	39
4.4. Search and Rescue.....	48
4.5. Relief and Camp Management.....	54
4.6. Engineering, Reconstruction and Rehabilitation.....	68
4.7. Transportation	76
4.8. Medical, Nutrition, Water, Sanitation and Hygiene (WASH), and Mental Health and Psychosocial Services (MHPSS).....	81
4.9. Evacuation and Management of The Dead And Missing.....	91
4.10. Fire.....	99
CHAPTER 5: PROCEDURE FOR FEEDBACK, UPGRADING AND FUTURE ACTION.....	103
5.1. Information Dissemination / Communication Strategy.....	103
5.2. Policy Support.....	103
5.3. Review, Monitoring, and Evaluation.....	104
ANNEX.....	105
A. Rapid Damage Assessment and Needs Analysis Form.....	105
B. List of Call Sign of Officers and Personnel of the Authority.....	107
C. Minimum Standard of Tools, Equipment and Accessories for Search and Rescue.....	109
D. DSWD Volunteer Engagement Process.....	111
E. Policy and guideline of Reporting, monitoring and evaluation within the DPWH-NCR.....	115
F. Deployment of DRTs from other Regional Health Offices and augmentation of logistic to various DOH retained Hospitals.....	117
G. Referring Government and Private Hospitals Outside Metro Manila and their Bed Capacities.....	121
H. Gaps and Needs Identification.....	129
1. <i>Command and Control</i>	129
2. <i>Communication and Warning</i>	129
3. <i>Safety and Security</i>	130
4. <i>Search and Rescue</i>	133

5. Relief and Camp Management.....	134
6. Engineering, Reconstruction and Rehabilitation.....	134
7. Transportation.....	137
8. Medical, Nutrition, Water, Sanitation and Hygiene (WASH), and Mental Health and Psychosocial Services (MHPSS).....	137
9. Evacuation and Management of the Dead and Missing.....	139
10. Fire.....	140
List of Contributors.....	141

LIST OF TABLES

Table 1. Impact of Magnitude 7.2 earthquake from the WVF.....	17
Table 2. Regionalseparation of Metro Manila.....	18
Table 3. Counterpart of the National Cluster Approach at the Local and Regional Levels.....	19
Table 4. List of Regions and AFP Brigades that shall Immediately Assist Metro Manila.....	20
Table 5. Entry Points of Equipment, Manpower and Relief Assistance.....	20
Table 6. List of Response Sectors, Its Lead Agency and the Responsibility of the Lead Agency.....	21
Table 7. Location of MMDRRMC Emergency Operations Centers.....	22
Table 8. Location of Evacuation Camps and Emergency Field Hospitals.....	22

ACRONYMS AND ABBREVIATIONS

AFP	Armed Forces of the Philippines
AOR	Area of Responsibility
AUSAID	Australian Agency for International Development
BBDO/RBBDO	Bayanihang Barangay Desk Office / Regional Bayanihang Barangay Desk Office
BDRRMC	Barangay Disaster Risk Reduction and Management Committee
BFP	Bureau of Fire Protection
BFP-NCR	Bureau of Fire Protection – National Capital Region
BGAN	Broadband Global Area Network
C-5	Circumferential Road 5
C-6	Circumferential Road 6
C/M/RHO	City/Municipal/Rural Health Office
C/MSWDO	City/Municipal Social Welfare Development Office
CAR	Cordillera Administrative Region
CDAG	Civil Defense Action Group
CEO	City Engineering Office
CHED	Commission on Higher Education
CJ	City Jail
CP	Contingency Plan
DBM	Department of Budget and Management
DEPED	Department of Education
DFA	Department of Foreign Affairs
DILG	Department of the Interior and Local Government
DILG-NCR	Department of the Interior and Local Government – National Capital Region
DND	Department of National Defense
DOH	Department of Health
DOH-NCRO	Department of Health – National Capital Region Office
DOST	Department of Science and Technology
DOTC	Department of Transportation and Communication
DPWH	Department of Public Works and Highways
DPWH-NCR	Department of Public Works and Highways – National Capital Region
DRETFSU	Disaster Response Equipment & Field Storage Units
DRRM	Disaster Risk Reduction and Management
DRRMC	Disaster Risk Reduction and Management Council
DRT	Disaster Response Team
DSWD	Department of Social Welfare and Development

DSWD-NCR	Department of Social Welfare and Development – National Capital Region
EC	Evacuation Camp
EDSA	Epifanio de los Santos Avenue
EOC	Emergency Operations Center
FO	Field Office
GENSET	Generator Set
GMMA RAP	Enhancing Risk Analysis Capacities for Flood, Tropical Cyclone, Severe Wind and Earthquake for the Greater Metro Manila Area
HPG	Highway Patrol Group
HQ	Headquarters
IC	Incident Commander
ICRC	International Committee of the Red Cross
ICS	Incident Command System
IRR	Implementing Rules and Regulations
JTF-NCR	Joint Task Force – National Capital Region
KVA	Kilovolt-Ampere
LDRRMC	Local Disaster Risk Reduction and Management Council
LDRRMO	Local Disaster Risk Reduction and Management Office
LGU	Local Government Unit
LPMDEO	Las Piñas Muntinlupa District Engineering Office
LRT	Light Rail Transit
LTFRB	Land Transportation Franchising and Regulatory Board
LTO	Land Transportation Office
M-NDEO	Malabon-Navotas District Engineering Office
MHPSS	Mental Health and Psychosocial Support
MM	Metro Manila
MMDA	Metropolitan Manila Development Authority
MMDRRMC	Metro Manila Disaster Risk Reduction and Management Council
MMEIRS	Metro Manila Earthquake Impact Reduction Study
MMIDEO	Metro Manila First District Engineering Office
MMIIDEO	Metro Manila Second District Engineering Office
MMIIIDEO	Metro Manila Third District Engineering Office
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding
MOVERS	Movement of Volunteers for Emergency and Rescue Society
NAIA	Ninoy Aquino International Airport
NBI	National Bureau of Investigation

NCR	National Capital Region
NCRPO	National Capital Region Police Office
NDRP	National Disaster Response Plan
NDRRMC	National Disaster Risk Reduction and Management Council
NGO	Non-Government Organizations
NLEX	North Luzon Express Way
NMDEO	North Manila District Engineering Office
NOLCOM	North Luzon Command
OCD	Office of Civil Defense
OCD-NCR	Office of Civil Defense – National Capital Region
OPCEN	Operations Center
OPLAN METRO YAKAL	Operations Plan Metro Yakal
PAGASA	Philippine Atmospheric, Geophysical and Astronomical Services Administration
PCP	Police Community Precinct
PEIS	Philippine Earthquake Intensity Scale
PHIVOLCS	Philippine Institute of Volcanology and Seismology
PNP	Philippine National Police
PNP-SOCO	Philippine National Police-Scene of the Crime Operatives
PPA	Philippine Port Authority
PPE	Personal Protective Equipment
QCFDEO	Quezon City First District Engineering Office
QCSDEO	Quezon City Second District Engineering Office
RA	Republic Act
RDANA	Rapid Damage Assessment and Needs Analysis
RO	Regional Office
RPSB	Regional Public Safety Battalion
SAR	Search and Rescue
SLEX	South Luzon Express Way
SMDEO	South Manila DEO
SOLCOM	Sound Luzon Command
SPEED	Surveillance in Post Extreme Emergencies and Disasters
SQM	Square Meter
SSB	Single Side Band
TESDA	Technical Education and Skills Development Authority
TWG	Technical Working Group
UN	United Nation
UNDP	United Nations Development Programme

UNICEF	United Nations Children's Fund
UP	University of the Philippines
VHF/UHF	Very High Frequency / Ultra High Frequency
VMMC	Veterans Memorial Medical Center
VSAT	Very Small Aperture Terminal
WASH	Water, Sanitation and Hygiene
WFP	World Food Programme
WVF	West Valley Fault

EXECUTIVE SUMMARY

The Metro Manila Earthquake Contingency Plan or Oplan Metro Yakal Plus is Metro Manila Disaster Risk Reduction Management Council's (MMDRRMC) response tool based on the 7.2 Magnitude movement of the West Valley Fault (WVF) with Intensity VIII ground shaking. It aims to institutionalize an effective and efficient system of earthquake disaster preparedness and response of the MMDRRMC members and partners by defining their roles and responsibilities guided by sets of actions that shall be carried out prior to and immediately after a strong earthquake.

This was formulated through various stages of consultations, workshops and writeshops with the National Capital Region's (NCR) Local Government Units (LGU), National Government Agencies (NGA), Private Sectors and other stakeholders. Data used were from the result of the Metro Manila Earthquake Impact Reduction Study (MMEIRS), Enhancing Risk Analysis Capacities for Flood, Tropical Cyclone, Severe Wind and Earthquake for the Greater Metro Manila Area (GMMA RAP) and the Metropolitan Manila Development Authority's (MMDA) Operations Plan (Oplan) Metro Yakal. Scenario-based planning assumptions, specifically; 1) Metro Manila's regional separation and fire incidents were from MMEIRS; 2) Extent of damage, numbers of injured and dead persons were from GMMA RAP; and 3) Concept of operations and response agencies were from MMDA's Oplan Metro Yakal.

Response operations, standard operating procedures and command structure follow the provisions of Republic Act (RA) 10121, National Disaster Response Plan (NDRP) for Earthquakes and Tsunami, RA 7924 and Incident Command System (ICS). Thus, as stated in RA 10121, the identified Lead Agencies for disasters with this magnitude are the members of the National Disaster Risk Reduction and Management Council (NDRRMC), with their counterparts at the MMDRRMC as deputies. The Lead Agency shall coordinate all needs and resource assistance for NCR, and shall follow the response actions in this plan. The deputies in turn, shall be the communication, coordination and monitoring center for the response needs and initiatives for the Metro Manila (MM) LGUs.

Approval, dissemination, practice and implementation of this plan, shall be a joint endeavor of the MMDRRMC and NDRRMC. Regular review and updating is necessary to ensure the reliability of the information and procedures stated in this plan. Formulation of policies at the Regional and National Levels, which supports the capability building of the agencies involved and full implementation of this plan, shall be done in accordance to the projected impact and needs.



The Metro Manila Disaster Risk Reduction Council during the approval of the "Oplan Metro Yakal Plus" on October 12, 2015.

CHAPTER I

BACKGROUND AND RATIONALE

1.1. Introduction

The NCR is where the seat of the Philippine Government is located. It is the business hub and the most densely populated region of the entire country. It is also transacted by two faults, the East and West Valley Faults or the Valley Fault System. The WVF, based on historical data and studies of the Philippine Volcanology and Seismology (PHIVOLCS) may produce a 7.2 Magnitude earthquake with Intensity VIII ground shaking. An Intensity VIII ground shaking based on the Philippine Earthquake Intensity Scale (PEIS) is very destructive. This will cause well-built buildings to be damaged, posts and towers to be toppled, mountainous and hilly areas to have landslides and liquefaction may occur in water-saturated areas.

Two (2) studies have been made to determine the possible impact of such earthquake in the NCR: 1) the MMEIRS Project in 2004 with the MMDA, Japan International Cooperation Agency (JICA), and PHIVOLCS; and 2) in 2013, updated risk calculations and maps were produced under the GMMA RAP with the NDRRMC-Office of Civil Defense (OCD), Geoscience Australia (GA), and also PHIVOLCS. MMDA's Oplan Metro Yakal was formulated based on the results of the MMEIRS, which illustrated the MMDA's Contingency Plan (CP), in case the 7.2 Magnitude earthquake occurs.

Incidentally, one of the outputs of a project implemented by NDRRMC-OCD, the "Enhancing Greater Metro Manila Areas Institutional Capacities for Effective Disaster/Climate Risk Management towards Sustainable Development (GMMA READY Project), funded by the Australian Aid Program (AusAid) and the United Nations Development Programme (UNDP), is the formulation of an integrated contingency plan. This paved the way to enhance MMDA's Oplan Metro Yakal to become the Metro Manila Earthquake Contingency Plan or Oplan Metro Yakal Plus. GMMA READY Project facilitated various consultations, workshops and meetings with NCR's LGUs, NGAs, Private Sector and other stakeholders. Using the results of MMEIRS and GMMA RAP, the consultations and workshops focused on assessing the main concerns that may occur after an Intensity VIII earthquake, identifying the lead agencies to coordinate the response, and formulating standard operating procedures to effectively execute the plan.

1.2. Objective

This plan aims to institutionalize an effective and efficient system of earthquake disaster preparedness and response of different national agencies' units and personnel by defining the roles and providing sets of guidelines on actions that will be carried out prior to and immediately after the occurrence of a very strong ground shaking.

1.3. Plan Formulation and Approval

The formulation of this CP went through various stages of consultation with the LGUs, NGAs, Private Sectors and other stakeholders. The first consultation was held on December 2013. In this activity, response sectors as well as the Lead Agency for each sector were identified. Initial standard operating procedures for each response sector were also drafted. A Technical Working Group (TWG), composed of the Lead Agencies, was created to focus on the drafting of the entire plan.

The GMMA READY Project facilitated the meetings, writeshops, as well as one-on-one revisions of each sectoral plan with the TWG. The first draft was presented to the MMDRRMC members and partners on August 2014, which was recommended for the approval of the MMDRRMC Chairperson, Atty. Francis N. Tolentino.

On September 2014, the plan was also presented to the NDRRMC Technical Management Group (TMG), emphasizing the need for NDRRMC's assistance in terms of mobilizing other regions as well as formulation of policies that would reinforce the plan and strengthen the capacities of the responding agencies.

The draft plan was presented to various groups and sectors to be considered in their respective contingency plans as well as their basis of assistance to MM in case of the earthquake event. It also became the input of the NDRRMC's response plan in MM indicated in the NDRP for Earthquake and Tsunami. Testing of the Oplan Metro Yakal Plus together with the NDRP for Earthquake and Tsunami were completed during the National Simultaneous Earthquake Drills: 1) North Quadrant on November 2014, 2) East Quadrant on March 2014, and 3) South Quadrant on July 2015. A tabletop simulation/exercise was also held to test the two (2) plans together with the responding regions on July 28-29, 2015. The Metro Manila Shake Drill on July 30, 2015 facilitated by MMDA showcased the capacity of the MMDRRMC in responding to the earthquake using some of the assumptions indicated in the plan.

The MMDRRMC approved this plan for implementation and dissemination on October 12, 2015.

1.4. Sources of Data

Data used for this plan were from the result of the MMEIRS, GMMA RAP and the Oplan Metro Yakal. Planning assumptions used for this plan, specifically the scenario of MM's regional separation and fire incidents were from the MMEIRS. Data on the extent of damage, numbers of injured and dead persons are from GMMA RAP. Concept of operations and response agencies for each sector were from the Oplan Metro Yakal.

Standards used for the computation of the gaps and needs, particularly for the Relief and Rehabilitation Sector, were from "The Sphere Handbook: Humanitarian Charter and Minimum Standards in Humanitarian Response". Minimum equipment, manpower, and logistics needs for the each sector and response were based on the standards and inventories of the lead agencies.

CHAPTER 2

GENERAL SCENARIO AND PLANNING ASSUMPTIONS



The MMDRRMC group reporting the initial situation of Metro Manila during the Tabletop Simulation/Exercise for NDRP for Earthquake and Tsunami and Oplan Metro Yakal Plus on July 28-29, 2015

2.1. Risk Profile

Recent studies show that the WVF has moved at least four (4) times and generated strong earthquakes within the last 1,400 years. The approximate return period of these earthquakes is less than 500 years and no event along the WVF is known after 17th century. This means that the active phase of the Valley Fault is approaching. Many research studies indicate that the estimated magnitude will be around 7 or more. (MMEIRS, March 2004).

The GMMA RAP used the Magnitude 7.2 movement of the WVF in computing risk estimates. This scenario illustrates the worst-case scenario for MM. The following are the general scenario/assumptions that were used to formulate this plan. These assumptions were based on the outputs of the GMMA RAP and MMEIRS.

Table 1. Impact of Magnitude 7.2 earthquake from the WVF¹

POSSIBLE IMPACTS	QUANTITY
Slight Damage	40,564,357 sqm
Moderate Damage	68,849,303 sqm
Extensive Damage	63,511,360 sqm
Complete Damage	78,500,501 sqm
Complete Collapse	9,642,793 sqm
Loss	2,268,844 (P2.3 Trillion)
Slight Injuries	385,545 persons
Serious Injuries	112,426 persons
Life-threatening Injuries	13,751 persons
Fatalities	31,228 persons
Fire Incidents	500 incidents ²
Population to be brought to Evacuation Camps	2,881,437 persons ³

¹ - The figures were based on the results of the Risk Maps produced under the RAP. Specific maps are in the Annex of this document.

² - Based on the MMEIRS.

³ - This was calculated base on the population density of Metro Manila per square kilometer versus the area of damaged structure which includes the categories of 1) Extensive Damage; 2) Complete Damage, and; 3) Complete Collapse.

The table below shows that the strong ground shaking may also result to the regional separation of MM to four (4) quadrants due to the collapse of buildings and bridges connecting them.

Table 2. Regional separation of Metro Manila⁴

QUADRANTS	LOCAL GOVERNMENT UNITS
North	Caloocan City Quezon City Valenzuela City San Juan City Mandaluyong City
East	Pasig City Marikina City
West	Manila City Malabon City Navotas City
South	Las Piñas City Makati City Muntinlupa City Parañaque City Taguig City Municipality of Pateros Pasay City



2.2. Planning Assumptions

The intensity of the ground shaking from the WVF with a 7.2 Magnitude earthquake will not only affect the NCR, but will also be felt in nearby Regions of III and IV-A. Intensity of the ground shaking based on the PEIS will be at VIII and higher within NCR and V-VIII in the nearby Regions.

Given this scenario, the following assumptions are incorporated in this plan:

A. NDRRMC

- a. Section 6, (c) of RA 10121, states that one of the functions of the NDRRMC is to recommend to the President the declaration of a state of calamity in areas extensively damaged. It is also expected in the NDRP for Earthquake and Tsunami, that the National Council shall advise the President on this matter.
- b. The NDRRMC will lead as support to the emergency operations and follow the standard operating procedures within this CP. The MMDRRMC members and identified Lead Agencies within this plan shall act as Deputy during said operations.
 - Section 15 of RA 10121 and Rule 11, Section 1 of the Implementing Rules and Regulations (IRR) of RA 10121, states that the NDRRMC shall lead in Coordination during Emergencies, if two (2) or more regions, as support to the MMDRRMC and Local Disaster Risk Reduction and Management Councils (LDRRMC).
 - The NDRP for Earthquake and Tsunami states that the NDRRMC as a collegiate body and through the leadership of the Chairperson and Vice-chairperson or the Executive Director (upon the instruction of the Chairperson) will take the helm of the operations and will provide all decisions and instructions for a timely and appropriate assistance to the affected population.
- c. The LGUs and the MMDRRMC are using the Sector Approach, while the NDRRMC uses the Cluster Approach, thus, the table shows the sectors' counterpart at the National Level:

4 - Based on the MMEIRS.

Table 3. Counterpart of the National Cluster Approach at the Local and Regional Levels

NATIONAL	REGIONAL	LOCAL
<i>International Humanitarian Relations:</i> Department of Foreign Affairs (DFA)		
<i>Food and Non-Food Items:</i> Department of Social Welfare and Development (DSWD)	<i>Relief and Camp Management:</i> DSWD-NCR	<i>Relief and Rehabilitation:</i> City/Municipal Social Welfare and Development Office (C/MSWDO)
<i>Education:</i> Department of Education (DepEd)	<i>Relief and Camp Management:</i> DSWD-NCR with its cooperating agency – DepEd	<i>Relief and Rehabilitation:</i> C/MSWDO with its Support Agency DepEd
<i>Internally Displaced Person Protection:</i> DSWD	<i>Relief and Camp Management:</i> DSWD-NCR	<i>Relief and Rehabilitation:</i> C/MSWDO
<i>Camp Coordination and Camp Management:</i> DSWD	<i>Relief and Camp Management:</i> DSWD-NCR	<i>Relief and Rehabilitation:</i> C/MSWDO
<i>Health:</i> Department of Health (DOH)	<i>Medical, Nutrition, Water Sanitation and Hygiene (WASH) and Mental Health and Psychosocial Support (MHPSS)</i> DOH-NCR Office (DOH-NCR)	<i>Medical, Nutrition, WASH and MHPSS:</i> City/Municipal/ Rural Health Office (C/M/RHO)
<i>Logistics:</i> Office of Civil Defense (OCD)	MMDA	<i>Local Disaster Risk Reduction and Management Office - LDRRMO</i>
<i>Emergency Telecommunication:</i> OCD	<i>Communications and Warning:</i> OCD-NCR	<i>Communications and Warning:</i> LDRRMO
<i>Search, Rescue and Retrieval:</i> Armed Forces of the Philippines (AFP)	<i>Search and Rescue:</i> MMDA	<i>Search and Rescue:</i> LDRRMO
<i>Management of the Dead and Missing:</i> Department of the Interior and Local Government (DILG)	<i>Management of the Dead:</i> DILG-NCR <i>Management of the Missing Persons:</i> National Bureau of Investigation (NBI) <i>Management of Criminal and/or Man-made Death:</i> Philippine National Police – Scene of the Crime Operatives (PNP-SOCO)	<i>Medical, Nutrition, WASH and MHPSS:</i> C/M/RHO
<i>Law and Order:</i> Philippine National Police (PNP)	<i>Safety and Security:</i> NCR Police Office (NCRPO)	<i>Safety and Security:</i> Local PNP
<i>Emergency Livelihood:</i> Department of Trade and Industry (DTI)	DSWD-NCR	<i>Recovery and Rehabilitation:</i> City Engineering Office

d. Immediate mobilization manpower and equipment assistance from the following:

Table 4. List of Regions and AFP Brigades that shall Immediately Assist MM

QUADRANT	ASSISTING REGION/ AFP UNIT
NORTH	<ul style="list-style-type: none"> • Regions I - (Ilocos Norte, Ilocos Sur, La Union, Pangasinan) and VII – (Bohol, Cebu, Siquijor) • AFP North Luzon Command (NOLCOM) Brigades
EAST	<ul style="list-style-type: none"> • Regions II - (Batanes, Cagayan, Isabela, Nueva Vizcaya, Quirino) and XI – (Compostela Valley, Davao Del Norte, Davao Del Sur, Davao Occidental, Davao Oriental) • AFP South Luzon Command (SOLCOM) Brigades
WEST	<ul style="list-style-type: none"> • Regions CAR - (Abra, Apayao, Benguet, Ifugao, Kalinga, Mountain Province) and X – (Bukidnon, Camiguin, Lanao Del Norte, Misamis Occidental, Misamis Oriental) • AFP NOLCOM Brigades
SOUTH	<ul style="list-style-type: none"> • Regions V - (Albay, Camarines Norte, Camarines Sur, Catanduanes, Masbate, Sorsogon) and VI – (Aklan, Antique, Capiz, Guimaras, Iloilo) • AFP SOLCOM Brigades

e. Entry points of equipment, manpower and relief assistance will only be at the North and South of Metro Manila. Entry points will be at the following:

Table 5. Entry Points of Equipment, Manpower and Relief Assistance

MEANS OF TRANSPORTATION	ENTRY POINTS
LAND TRANSPORTATION	
NORTH	<ul style="list-style-type: none"> • Department of Public Works and Highways (DPWH) Region 2: Balintawak Cloverleaf towards A. Bonifacio • DPWH-Cordillera Administrative Region (CAR): Balintawak Cloverleaf towards A. Bonifacio • DPWH Region 1: Mindanao Avenue <p>Alternate entry points:</p> <ul style="list-style-type: none"> • Malinta • Bocaue, Marilao, Meycauayan towards Commonwealth • Mc Arthur – Valenzuela
SOUTH	<ul style="list-style-type: none"> • Osmena • Alabang-Muntinlupa • Sucat • Circumferential Road 5 (C-5) – Libingan ng mga Bayani • Villamor –Sales • Epifanio Delos Santos Avenue (EDSA) • Circumferential Road 6 (C-6)

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...Table 5 continuation

MEANS OF TRANSPORTATION	ENTRY POINTS
SEA TRANSPORTATION	
NORTH	<ul style="list-style-type: none"> • Subic Bay Freeport (if not heavily damaged) • Manila Port (if not heavily damaged) • San Fernando, La Union Port
SOUTH	<ul style="list-style-type: none"> • Batangas Port • Sangley Point
AIR TRANSPORTATION	
NORTH	<ul style="list-style-type: none"> • Clark International Airport • Subic Bay International Airport (if runway is not damaged) • San Fernando, La Union Airport • Cagayan Province Airport • Laoag International Airport
SOUTH	<ul style="list-style-type: none"> • Cebu International Airport • Sangley Point • Lipa Airbase, Batangas • Davao International Airport • Cagayan De Oro International Airport (Laguindingan)

B. MMDRRMC

- a. The Regional Agencies agreed with the following identified response sectors, the Lead Agency for each sector and their corresponding responsibility:

Table 6. List of MMDRRMC Response Sectors, Its Lead Agency and the Responsibility of the Lead Agency

SECTOR	LEAD AGENCY	RESPONSIBILITY
Command and Control	MMDA	Establish a system of command and control for metro manila immediately after an intense ground shaking event.
Communications and Warning	OCD-NCR	Ensure availability of all emergency back-up communication systems and equipment; and, provide timely, effective, accurate and efficient information, advisories, alerts and warnings to the LGUs, National Government Agencies and other Stakeholders and the General Public.
Safety and Security	PNP-NCRPO	Ensure safety and security of lives and properties of affected population; response efforts; vital installations and structures; and, resource mobilizations.
Search and Rescue	MMDA	Provide immediate rescue to earthquake victims.
Relief and Camp Management	DSWD-NCR	Ensure safety of the affected families thru delivery of essential relief, camp management and human rehabilitation services.
Engineering, Reconstruction and Rehabilitation	DPWH-NCR	Conduct clearing operations of debris and obstructions; immediately restore vital access roads, bridges and vital lifelines; reconstruct/ rehabilitate damaged structures and facilities.
Transportation	Department of Transportation and Communications (DOTC)	Coordinate support and augmenting transportation needs to response sectors.
Medical, Nutrition, WASH, and MHPSS	DOH-NCRO	Decrease the morbidity and mortality related to earthquake.

SECTOR	LEAD AGENCY	RESPONSIBILITY
Evacuation and Management of the Dead and Missing	Department of the Interior and Local Government (DILG) – NCR	Ensure establishment evacuation camps to displaced families/individuals; and, manage dead bodies in coordination with responsible attached agencies.
Fire	Bureau of Fire Protection (BFP) - NCR	Suppress all destructive fires to minimize the loss of lives and properties.

- b. Each quadrant indicated in the Regional Separation will have an assigned Sub-Emergency Operations Center (EOC), which will be the reporting and coordinating support of the LGUs to the Main EOC/MMDRRMC and/or NDRRMC.

Table 7. Location of MMDRRMC EOC

EMERGENCY OPERATION CENTERS
<p>MAIN EOC: 1st Option: MMDA Office, Orense St., corner EDSA, Guadalupe, Makati City 2nd Option: AFP JTF NCR Compound, near gate 6, Camp Aguinaldo 3rd Option: PNP NCRPO HQ, Camp Bagong Diwa, Bicutan, Taguig 4th Option: Floating at Manila Bay</p>
<p>North Sub-EOC: Veterans Memorial Medical Center, North Ave., Quezon City</p>
<p>East Sub-EOC: Light Rail Transit (LRT) 2 Santolan Station Depot, Santolan, Pasig City</p>
<p>West Sub-EOC: 1st Option: Intramuros Golf Course, Manila City 2nd Option: Luneta Grandstand 3rd Option: Floating at Manila Bay</p>
<p>South EOC: Villamor Air Base Golf Course, Pasay City</p>



- c. Identified Emergency Field Hospitals and Evacuation Camps (EC) to be managed by the MMDRRMC for the four quadrants are the following:

Table 8. Location of Evacuation Camps and Emergency Field Hospitals

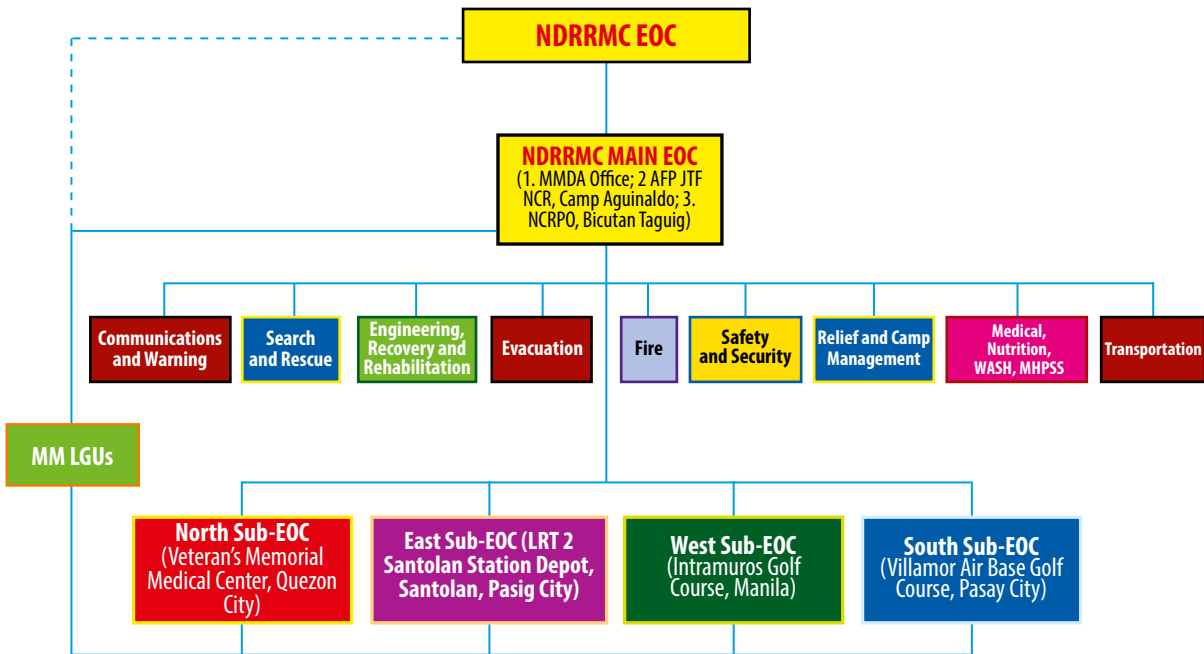
QUADRANT	EVACUATION CAMPS (MMDRRMC MANAGED)	EMERGENCY FIELD HOSPITALS
NORTH	<ul style="list-style-type: none"> Veterans Memorial Medical Center, North Ave., Quezon City University of the Philippines (UP) Diliman Grounds 	<ul style="list-style-type: none"> Veterans Memorial Medical Center, North Ave., Quezon City Quezon Memorial Circle
EAST	<ul style="list-style-type: none"> Marikina Boys Town Red Cross Compound, Marikina City Ultra, Pasig 	LRT 2 Santolan Station Depot, Santolan, Pasig City
WEST	Intramuros Golf Course	Intramuros Golf Course
SOUTH	Villamor Air Base Golf Course, Pasay	Villamor Air Base Golf Course, Pasay

C. RESOURCES ASSUMPTIONS

- a. Only 30% of manpower and equipment of NCR can be mobilized for response.
- b. 58 % of the total displaced population or 1,682,458 can be accommodated in identified open spaces within MM. The remaining 42% or 1,198,979 will be outside of the identified evacuation camps.⁵
- c. Out of the 13,751 individuals with life-threatening injuries, only 8,628 may be accommodated in hospitals within MM. The rest must be transported to hospital in other regions. ⁶

2.3. Concept of Operations

Operational protocols should be in accordance with the structure set during operations. This is to ensure that all actions are accounted for and decisions are based on existing command structures.



1. Rapid Damage Assessment and Needs Analysis (RDANA)/Situational Reports and Coordination

The LDRRMOs are expected to conduct RDANA within six (6) to 72 hours after the earthquake. Reports generated shall be submitted to their assigned MMDRRMC Sub-EOC. The LGU can also submit the report to the MMDRRMC Main EOC and/or to the NDRRMC, if it is more accessible. Reports submitted to the MMDRRMC Main EOC and NDRRMC EOC, shall be submitted/ communicated to the MMDRRMC Sub-EOC assigned to the LGU.

The MMDRRMC Sub-EOC shall consolidate reports received to be submitted to the MMDRRMC Main EOC. The MMDRRMC Main EOC shall submit consolidated report for the whole Metro Manila to the NDRRMC EOC.

2. Response Mechanism

The LGUs are expected to conduct first response activities within their area of responsibility (AOR). The MMDRRMC Sub-EOC shall mobilize resources within their quadrants based on RDANA/ Situation Reports received from the LGUs.

5 - Computed base on all available large open spaces within Metro Manila. Some of the evacuation camps will be managed by the LGUs while some will be managed by the MMDRRMC. Details are in the Annex of this document.
 6 - Calculated base on 30% of total capacity of all hospitals within Metro Manila.

Based on reports submitted by the MMDRRMC, the NDRRMC shall coordinate and mobilize response supports from assisting regions and international humanitarian assistance/disaster response. Deployment of response units from all levels of Disaster Risk Reduction and Management Council (DRRMC) shall utilize ICS.

3. Command and Control

The NDRRMC shall extend its support through leading the command of various response efforts at the national level. The MMDRRMC shall act as deputies until such time that there is a semblance of normalcy and the region has enough resources to lead the command. Command and Control at all levels of DRRMC shall utilize the ICS for response.

CHAPTER 3

GENERAL POLICIES

The formulation of a Contingency Plan is supported and in line with the international, national and local levels of governance, partnerships and agreements.

3.1. Sendai Framework for Disaster Risk Reduction (DRR) 2015-2030

The Contingency Plan is linked with the Sendai Framework, through its call for “the substantial reduction of disaster risk and losses in lives, livelihoods and health and in the economic, physical, social, cultural and environmental assets of persons, businesses, communities and countries as its expected outcome”. This is further elaborated with its goal, “Prevent new and reduce existing disaster risk through the implementation of integrated and inclusive economic, structural, legal, social, health, cultural, educational, environmental, technological, political and institutional measures that prevent and reduce hazard exposure and vulnerability to disaster, increase preparedness for response and recovery, and thus strengthen resilience”, identifying seven (7) targets and four (4) priority actions, agreed and adopted by one hundred eighty-seven United Nation (UN) member States during its 3rd UN World conference on Disaster Risk Reduction on March 13-18, 2015 held at Sendai, Japan.

3.2. RA 10121; Philippine Disaster Risk Reduction and Management Act of 2010

The National and Regional Agencies and the LGUs are required by the RA 10121 to strengthen its capacity towards mitigation, preparedness, response and recovery to reduce risks to human life and assets, and build disaster resilient communities. Rule 6, Section 4 (3) of the Implementing Rules and Regulations further states that, “The Provincial, City and Municipal DRRMOs or Barangay Disaster Risk Reduction and Management Committees (BDRRMC), in coordination with concerned national agencies and instrumentalities, shall facilitate and support risk assessments and contingency planning activities at the local level.”

The immediate response and support of the NDRRMC is mentioned in Section 15, with the criteria that the NDRRMC shall lead in Coordination during Emergencies, if two (2) or more regions are affected. The National Disaster Response Plan (NDRP) for Earthquake and Tsunami states that the NDRRMC as a collegiate body and through the leadership of the Chairperson and Vice-chairperson or the Executive Director (upon the instruction of the Chairperson) will take the helm of the operations and will provide all decisions and instructions for a timely and appropriate assistance to the affected population.

3.3. RA 7924; An Act Creating The Metropolitan Manila Development Authority, Defining Its Powers And Function, Providing Funds Therefore And Other Purposes

Republic Act 7924, Sec. 3(G) states that the services provided by the MMDA shall cover Public Safety which includes the formulation and implementation of programs and policies and procedures to, achieve public safety, especially preparedness for preventive or rescue operations during times of calamities and disasters such as conflagrations, earthquake, flood and tidal waves; and coordination and mobilization of resources and the implementation for rehabilitation and relief operations in coordination with national agencies concerned.

CHAPTER 4

SECTORAL PLANS AND ARRANGEMENTS

4.1. Command and Control

SCENARIO: An Intensity VIII earthquake affected Metro Manila with the following impacts:

- CASUALTIES
 - Fatalities: 31,228 individuals
 - Injured: 522,722 individuals
- COMPLETE COLLAPSE STRUCTURE: 9,642,793 sq. m.;
 - Heavily Damaged Houses: 175,600⁷
 - Collapse of bridges resulting to regional separation of Metro Manila into four (4) quadrants;
- AFFECTED POPULATION: 11,855,975 persons⁸
 - Displaced Population: About 2.8 Million persons
- Metro Manila will need assistance of different agencies from Regions I, II, V, VI, VII, X, XI, and CAR.
- Given this scenario, the NDRRMC shall lead in coordination and support in response and resource mobilization outside Metro Manila. (RA 10121, Section 15 and Rule 11, Section 1 of IRR: Coordination During Emergencies)

OBJECTIVE: To establish a system of command and control for Metro Manila immediately after an intense ground shaking event.

LEAD AGENCY: NDRRMC-Department of National Defense (DND)

DEPUTY: MMDRRMC - MMDA

COOPERATING AGENCIES:

AGENCY / GROUP	TASK / RESPONSIBILITY
Philippine National Police (PNP)	<ul style="list-style-type: none"> • Shall ensure to maintain peace and order and provide security to critical facilities and infrastructures within Metro Manila. • If warranted, PNP can also organize a contingent for Search and Rescue Tasks
PNP- Scene of the Crime Operatives (SOCO)	Shall lead in investigation/ management of criminal and/or man-made deaths
Department of Public Works and Highways (DPWH)	<ul style="list-style-type: none"> • Shall ensure that roads and thoroughfares are cleared of debris and assist in the restoration of other lifelines. They shall assist in the establishment and maintenance of evacuation camps. • Shall assist in building/establishment of temporary shelters.
Department of Social Welfare and Development (DSWD)	<ul style="list-style-type: none"> • Shall manage evacuation camps and handle relief requirements of evacuees to include reception and management of assistance. Support in providing critical incident stress debriefing (CISD) or other psychosocial rehabilitation of earthquake disaster victims. • Shall establish and manage temporary shelters for displaced population
Department of Health (DOH)	<ul style="list-style-type: none"> • Shall, manage health, sanitation, medical and psychosocial requirements in evacuation centers and emergency field hospitals. • Shall support in management of the dead.

7 - MMEIRS

8 - 2010 Census of Population and Housing (CPH)

COOPERATING AGENCIES:

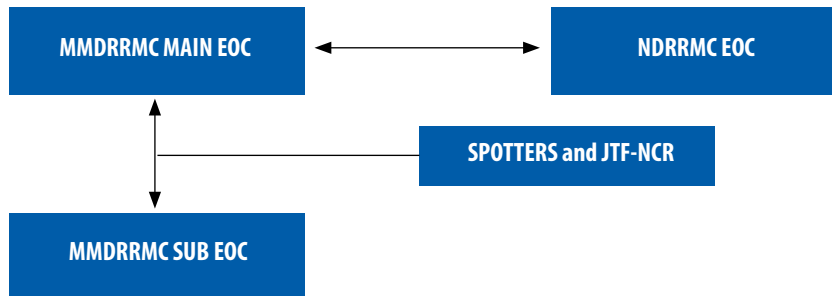
AGENCY / GROUP	TASK / RESPONSIBILITY
Office of Civil Defense (OCD)	<ul style="list-style-type: none"> • Shall support disaster operations coordination and control at the MMDRRMC EOC and Sub-EOCs to include logistics support (e.g. communication, transport coordination, mobile generator set and water purifiers) • Shall lead in data and information management between and among response agencies and stakeholders.
Department of the Interior and Local Government (DILG)	<ul style="list-style-type: none"> • Shall take the lead in the management of the dead and missing. • Shall coordinate with various agencies in managing the unidentified dead bodies
Department of the Interior and Local Government National Capital Region (DILG NCR)	Shall take lead in setting-up the staging area of each Sub-EOC, and additional evacuation areas for the victims that cannot be accommodated within their locality.
Bureau of Fire Protection (BFP)	Shall conduct fire suppression to affected areas. Assist in search and rescue operations
Department of Transportation and Communications (DOTC)	Ensure the early resumption of operations of various transportation facilities. Conduct repair/restoration of damaged transportation facilities under its areas of jurisdiction. Serve as the Lead Agency for the Transportation Sector.
Philippine Information Agency (PIA)	Lead in information management and dissemination to the general public and media organizations with approval of the Chairperson, NDRRMC.
Armed Forces of the Philippines (AFP)	<ul style="list-style-type: none"> • Shall immediately deploy air asset for RDANA right after the earthquake. • Shall lead in all aspects of search, rescue, and retrieval operations. • The Joint Task Force shall be the focal coordination point of all military support for both local or foreign
Philippine Coast Guard (PCG)	Shall assist in water search and rescue activities and provide transportation of goods and services.
Department of Tourism (DOT)	Track local tourists and expatriates and report status to nearest Sub-EOC.
Department of Foreign Affairs (DFA)	Report and monitor status, and ensure safety of Foreign Nationals and Embassy Personnel, as well as International assistance. Coordinate with the NDRRMC EOC and other Sub-EOC for any foreign nationals that were rescued, missing, and dead.
Department of Trade and Industry (DTI)/ Department of Agriculture (DA)/ Department of Energy (DOE)	Ensure availability of basic commodities, agricultural and petroleum products during disasters and enforce consumer protection laws and protocols to prevent additional suffering of people.
Department of Science and Technology/ Philippine Atmospheric, Geophysical and Astronomical Services Administration/ Philippine Institute of Volcanology and Seismology (DOST /PAGASA/ PHIVOLCS)	Provide regular reports and updates on status of earthquake activity and weather forecasts to Main and Sub-EOC.
Department of Budget and Management (DBM)	Facilitate immediate processing and release of funding support to agencies.

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AGENCY / GROUP	TASK / RESPONSIBILITY
Private Lifeline Organizations (Power, Water, Telecommunications) Meralco, MWSS, MWSI, Globe, Smart, PLDT, Caltex, Shell, Petron, Banks	Shall ensure quick restoration of services and provide power and water needs in Emergency Operations Center and evacuation areas.
Philippine Red Cross, Philippine Medical Association, And Other Volunteer Organizations And Civil Society Organizations (CSO)	Participate and coordinate humanitarian assistance/disaster response.
Professional Organizations ---Philippine Institute of Civil Engineers, (PICE), Association of Structural Engineers of the Philippines (ASEP), etc.	Participate in the conduct of RDANA and assessment of soundness of structures and other infrastructures within Metro Manila.
Bureau of Customs (BOC) – Department of Finance (DOF), Bureau of Immigration (BOI) – Department of Foreign Affairs (DFA)	Facilitate immediate processing of assistance from foreign entities/groups.
National Bureau of Investigation (NBI) – Department of Justice (DOJ)	Shall lead in the identification of unidentified dead bodies

FLOW OF OPERATIONS:

Immediately after the earthquake



STANDARD OPERATING PROCEDURE:

A. Right After the Earthquake

NDRRMC

1. Immediately activate NDRRMC EOC. The NDRRMC EOC may be established at the following areas:
 - AFP GHQ Grandstand, Camp Aguinaldo - MAIN
 - Clark, Pampanga – First Alternate
 - SBMA, Subic - Second Alternate
 - Fernando Air Base, Batangas – Third Alternate
2. In the Metro Manila region, the NDRRMC shall operate within the guidelines established by the MMDRRMC Contingency Plan.

MMDRRMC

1. The Oplan Metro Yakal Plus shall be activated. The MMDRRMC Main Operations Center (EOC) and the four Sub-EOCs shall be established.
2. The MMDRRMC Main EOC then deploys MMDA personnel who will act as spotters to identify areas and major thoroughfares which suffered heavy damage. Information gathered shall be used to identify response traffic routes and DPWH-NCR clearing operations
3. JTF-NCR shall immediately deploy its air asset for reconnaissance.
4. All concerned agencies are expected to immediately go to their assigned operations center.
5. Upon identifying the areas and major roads, the MMDRRMC Main EOC will initiate contact with DPWH-NCR to inform them about the areas that need road clearing. Clearing operations will only commence after MMDA authorized official has declared the areas free of casualties.

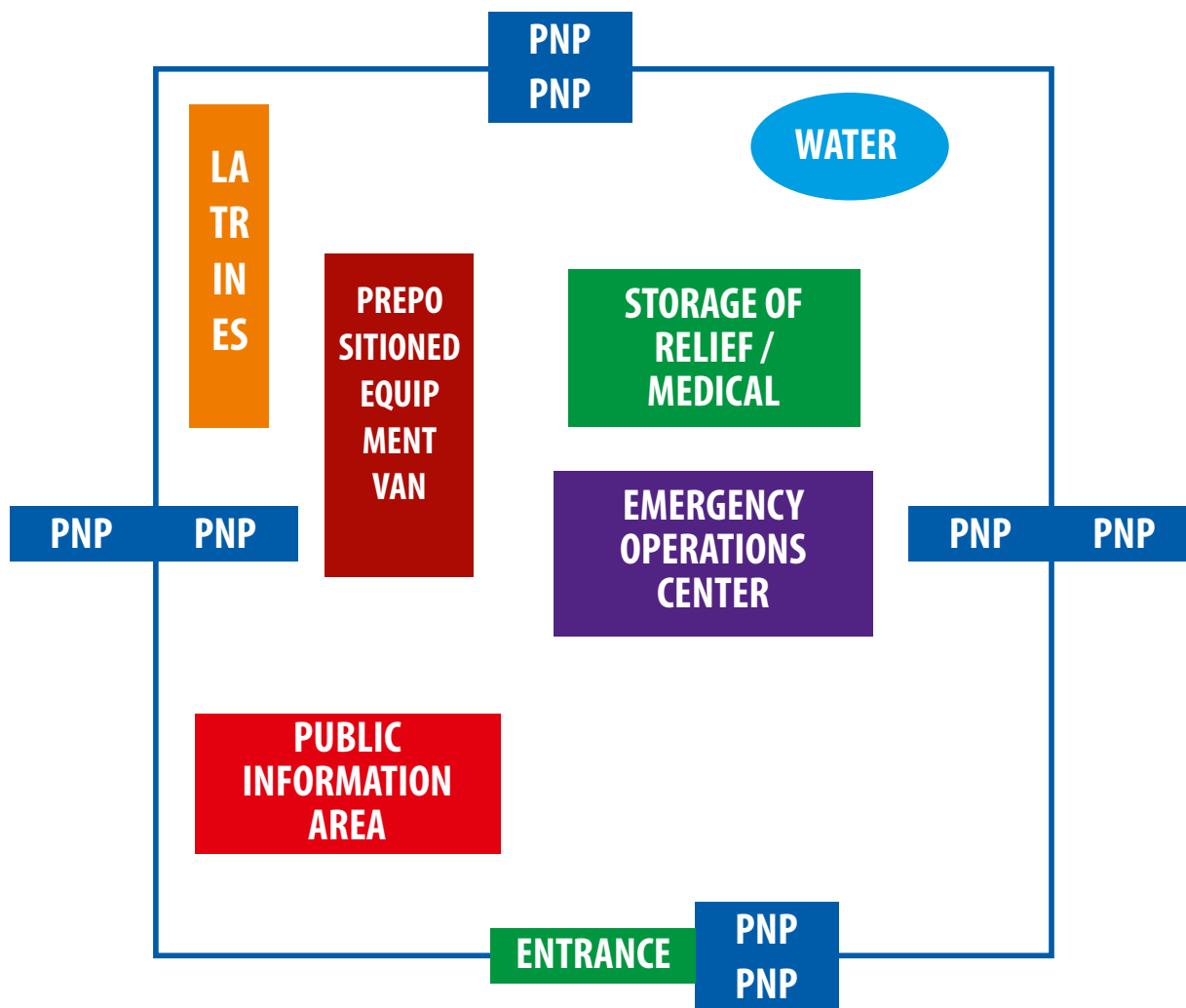
B. Establishment of MMDRRMC Emergency Operations Center

- The MMDA shall establish its Main Emergency Operations Center at the MMDA Office, EDSA cor. Orense Street, Guadalupe Nuevo, Makati City. Other alternate locations of the Main EOC are as follows:
 - AFP JTF-NCR Compound, near gate 6, Camp Aguinaldo, Quezon City.
 - PNP-NCRPO HQ, Camp Bagong Diwa, Bicutan, Taguig
- MMDRRMC Sub-EOCs shall be established at the following areas:

North Sub-EOC: Veterans Memorial Medical Center, North Ave., Quezon City
East Sub-EOC: LRT 2 Santolan Station Depot, Santolan, Pasig City
West Sub-EOC: 1st Option: Intramuros Golf Course, Manila City 2nd Option: Luneta Grandstand 3rd Option: Floating at Manila Bay
South EOC: Villamor Air Base Golf Course, Pasay City

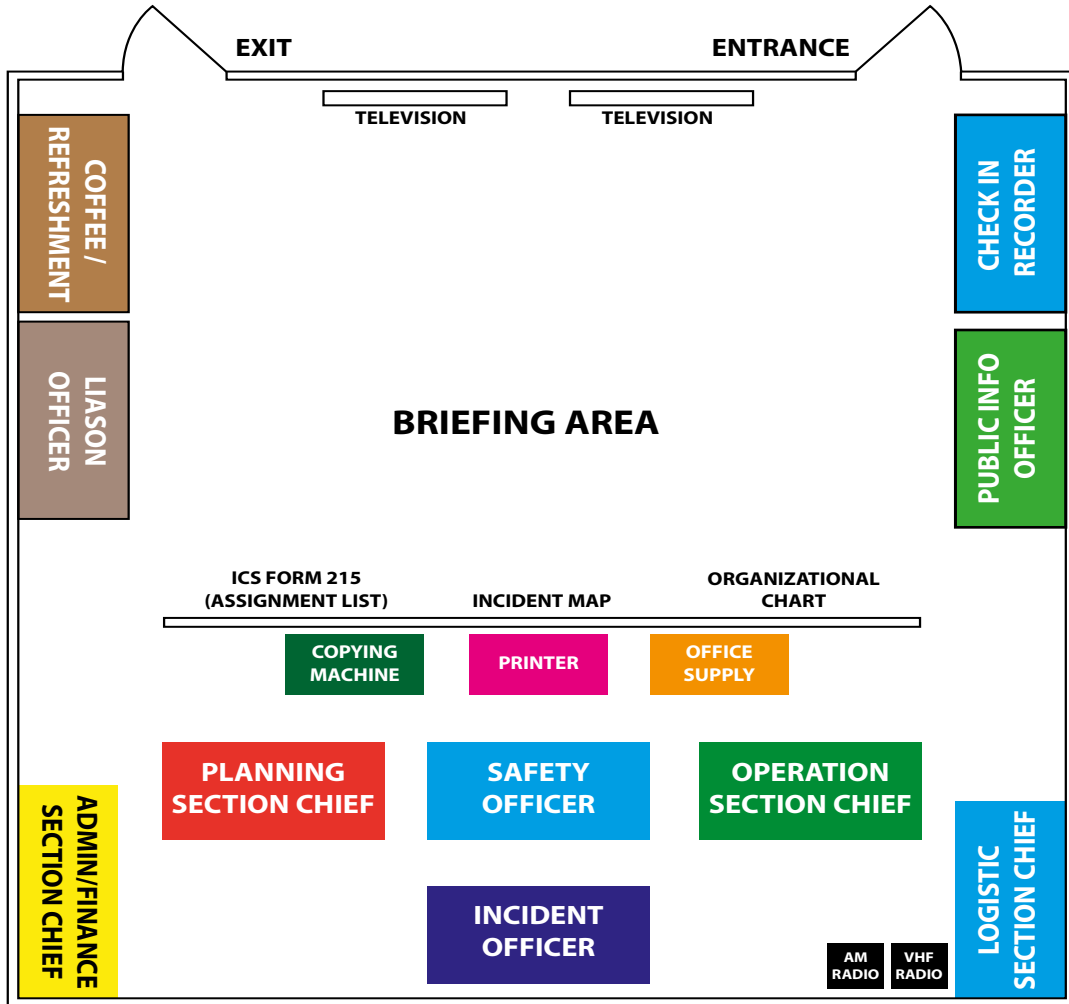
- Each EOC shall have a pre-positioned transportable 40-foot container van to serve as the Mobile Command Center. It should have the following tools and equipment:
 - Four (4) collapsible tents with dimension of 10m x 10m;
 - One (1) command tent, with at least 24 sq.m. floor area;
 - Metro Manila Maps;
 - One (1) Monitoring Board
 - One (1) Very High Frequency / Ultra High Frequency (VHF/UHF) radio equipment and accessories;

- One (1) unit 25kva diesel engine generator;
 - Four (4) units of desktop computers; and,
 - Four (4) units of printers.
 - Water purifier
- The MMDA personnel assigned to the Sub-EOC will be responsible for setting up of the facilities:
 - Coordinate with the different support agencies and ensure installation of electricity;
 - Coordinate with the different support agencies and ensure source of water supply;
 - Coordinate with the different support agencies and ensure setting-up of tents and portalets for the operations center.
 - Coordinate with AFP through JTF-NCR to secure and install barricade around the Command Center.
 - Ensure that lay-out of operations center is similar with the example given:

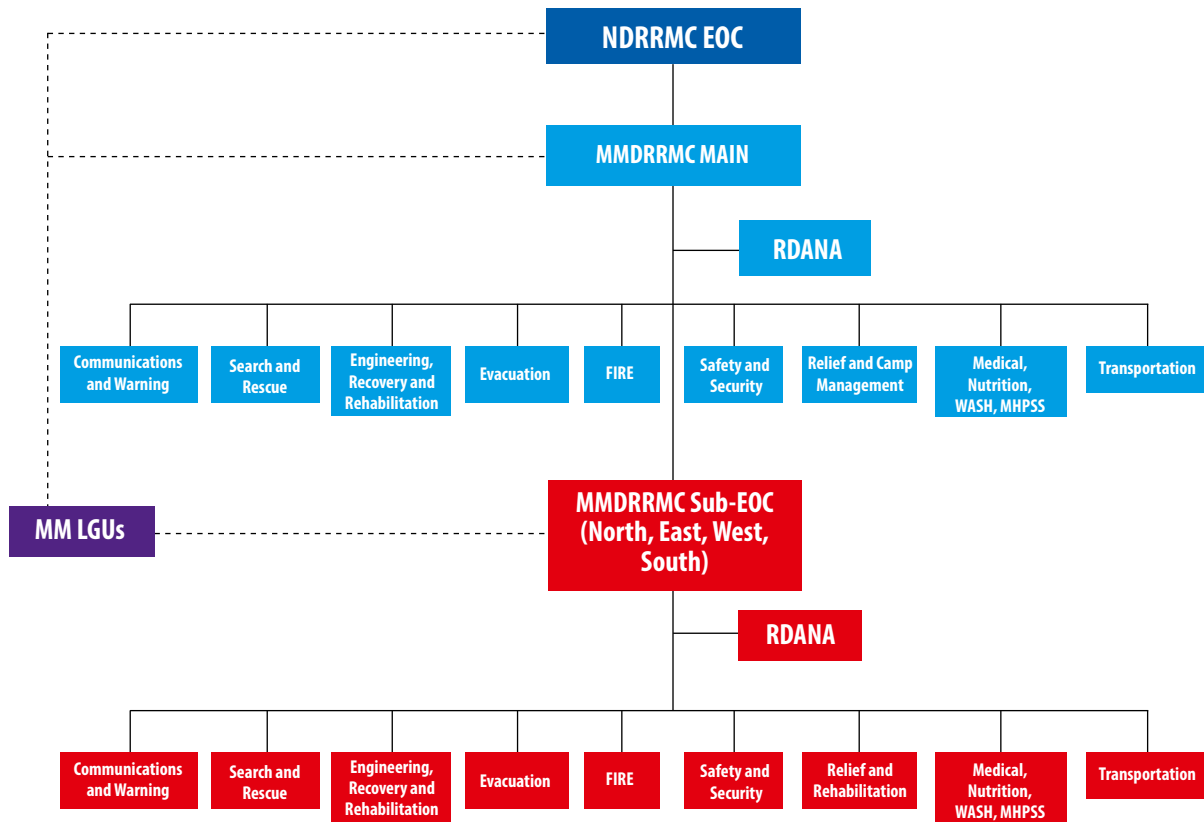


- Request AFP through JTF-NCR to secure and install barricade around the Command Center.
- Ensure that lay-out/position of representatives from the different agencies at the EOC is similar with the following example:

INCIDENT COMMAND POST LAY-OUT



C. When the Main and Sub-EOCs have been established:



- Responsible Officials
 - The Chairperson of the NDRRMC shall be the Responsible Official at the national level
 - The Chairperson of the MMDRRMC shall be the Responsible Official at the NCR level.
- Command and Control
 - The NDRRMC shall designate an Incident Commander (IC) for the NCR to be assigned at the MMDRRMC Main EOC.
 - The MMDRRMC EOCs shall be the communication, coordination and monitoring center for the response needs and initiatives for the Metro Manila LGUs.
 - The MMDRRMC Responsible Official shall designate an IC in every Sub-EOC. ICS will be implemented during the operations based on the NDRRMC ICS Field Operations Guide (FOG). Assigned MMDA personnel per Sub-EOC as of September 21, 2015:
 - In case that MMDA representatives cannot report, the next in line to act as the IC will be

Sub-EOC	Assigned IC from MMDA
NORTH	Dir. Elsie Encarnacion
EAST	Dir. Ma. Josefina Faulan
WEST	Dir. Maxima Quiambao
SOUTH	Mr. Edward Gonzales

representatives from the following agencies:

1. AFP JTF-NCR
 2. DILG - NCR
 3. OCD-NCR
- Reports shall be submitted by the Sub-EOCs every four (4) hours at the least, for subsequent integration and consolidation and transmittal to the MMDRRMC Main EOC.
 - MMDRRMC shall coordinate provision of needs (services or goods) of every Sub-EOC to NDRRMC, concerned agencies and private sector/ volunteer, if needed.
 - MMDRRMC Main EOC and/or NDRRMC shall provide the official situation reports.
 - All EOCs should establish communication link, initiated by the Office of Civil Defense (OCD), to all members of MMDRRMC and its supporting agency including the 16 cities and one (1) municipality of the NCR to assess the damage and needs in their areas.
 - Each EOC should have minimum number of representative/personnel from the following agencies:
 - **MMDA:** One (1) Task Force Commander, two (2) IT Personnel, two (2) communication personnel
 - **OCD:** Two (2) personnel for communication and report generation.
 - **DPWH:** Two (2) personnel for relaying message to their head office and gathering of report from field office, report generation and assist/coordination in the restoration of other lifelines inside the camp such as water, electricity and other basic necessity
 - **DOTC:** One (1) personnel for relaying message to their head office and coordination with transport group for transporting evacuees and relief goods in the event that there is a shortage of transport vehicle.
 - **DILG:** Two (2) personnel for the establishment of camp and coordination with barangay and local DRRMO
 - **PNP:** Nine (9) Police personnel;
 - ❑ Eight (8) personnel shall be assigned for security, safety.
 - **DSWD:** Four (4) personnel
 - ❑ Two (2) personnel for coordination of needs based on received reports
 - ❑ Two (2) for the storage facility
 - **DOH:** Two (2) personnel to receive and coordinate medical requirements of camp and adjacent evacuation sites
 - **BFP:** Two (2) fire personnel for relaying message, gathering of field report and report generation
 - **AFP-JTF:** Two (2) military personnel that will serve as focal person/coordinator for all military support for MMDRRMC whether local or foreign.
 - Sub-EOCs
 - Resources coming from different regions, including relief goods and medical supplies may be transported to Sub-EOCs and/or to the respective warehouses of concerned agencies.
 - ❑ Inventory and accounting of resources that will go directly to the warehouses of the concerned agencies should be submitted to their counterpart MMDRRMC Sub-EOC representatives.
 - ❑ All relief goods and medical supplies distributed and deployed to evacuation camps and emergency field hospitals should be reported to their counterpart Sub-EOCs.
 - The Sub-EOC will determine the number of rescuers and deployment area of dispatch service teams.
 - The Sub-EOC should monitor the development and needs on their sector and sustain the reporting system to the Main EOC.

D. Logistics

- Logistics needed at the Regional Level is incorporated within each Lead Agency's Sectoral plan. Any additional logistics deployed by the NDRRMC as support and augmentation to Metro Manila shall be coursed through the MMDA.
- MMDA shall document all logistics support from the NDRRMC upon receipt and deployment.

They shall also be responsible in submitting status report of the said logistics to NDRRMC.

E. Deactivation

- Deactivation of the operations shall be announced and declared by the MMDRRMC or his duly authorized representative when the state of emergency has been lifted.
- A comprehensive report shall be prepared by all Sectors after the event for consolidation and subsequent transmittal to The President of the Republic of the Philippines and the Chairperson of the NDRRMC.

POLICIES:

- All ICs are encouraged to establish their respective Chain of Command and submit the same to the MMDRRMC Main EOC Head or his duly designated Assistant or Officer of the Authority.
- RDANA team should be deployed per Sub-EOC to areas heavily damaged. The RDANA team will assess status based on the existing form (Annex A) and in coordination with the LGU.
- Each local DRRMO should activate their RDANA team in redundancy to the existing RDANA of MMDRRMC.



MMDRRMC Command post at the Aseana City during the Metro Manila Shake Drill on July 30, 2015

4.2. Communication and Warning

SCENARIO: There will be Power outage and total disruption of all lines of communication (landlines, cellular phones, internet, etc) in the whole of the Metropolis that may last for 3-4 weeks.

OBJECTIVES:

1. To ensure availability of all emergency back-up communication systems and equipment.
2. To provide timely, effective, accurate and efficient information, advisories, alerts and warnings to the LGUs, NGAs and other Stakeholders and the General Public.

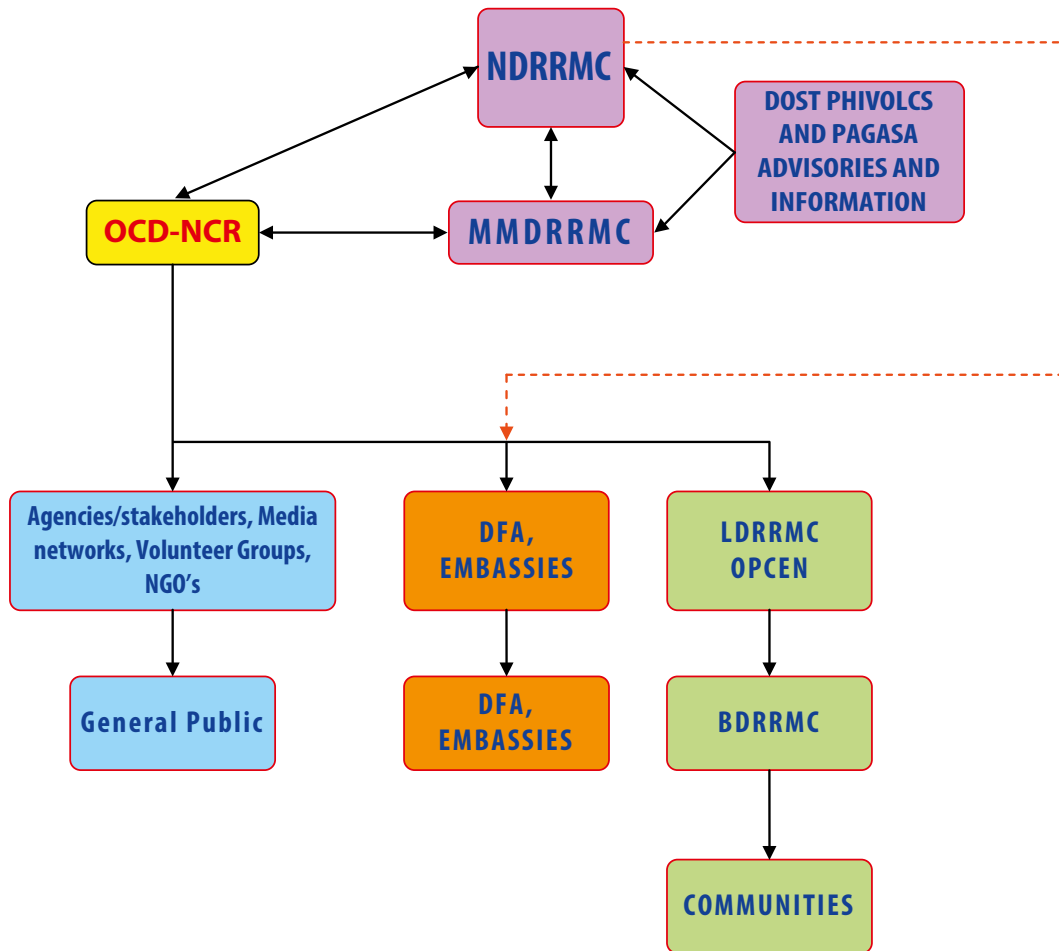
LEAD AGENCY: Office of Civil Defense (OCD)

DEPUTY: Office of Civil Defense – National Capital Region (OCD-NCR)

COOPERATING AGENCIES:

AGENCY / GROUP	TASK / RESPONSIBILITY
Metropolitan Manila Development Authority (MMDA)	Provide official reports under the directives/ approval of the NDRRMC
Department of Science and Technology (DOST)	Provide regular reports and updates on status of earthquake activity and weather forecasts to Main and Sub-EOC.
Philippine Information Agency (PIA)	Lead in information management and dissemination to the general public and media organizations with approval of the Chairperson, NDRRMC.
National Telecommunications Commission (NTC)	<ul style="list-style-type: none"> • Assist in ensuring that various telecommunications tools are functioning • Assist in providing equipment and manpower augmentation
<ul style="list-style-type: none"> • Association of Information Officers – 17 LGUs and 13 NGAs, • People’s Television 4 (PTV 4), • Intercontinental Broadcasting Corporation 13 (IBC 13) • RADYO NG BAYAN – ABS-CBN, GMA 7, TV 5, • Non-Government Organizations (NGO)/Volunteer Groups • Civil Defense Action Group (CDAG) • TXT FIRE • Movement of Volunteers for Emergency and Rescue Society (MOVERS) • Regional Emergency Assistance Communications Team (REACT) • Rotary • Church/Religious Organizations 	Assist in information dissemination to the general public and media organizations
<ul style="list-style-type: none"> • National Capital Region Police Office (NCRPO) 	Lead in securing vital communication facilities

INFORMATION DISSEMINATION FLOWCHART:

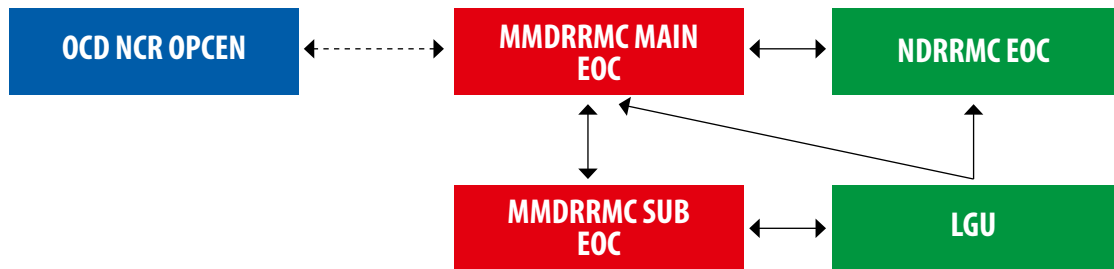


STANDARD OPERATING PROCEDURE for INFORMATION DISSEMINATION:

- All warnings/advisories received from PHIVOLCS will be disseminated using back up emergency communication system to include Single Side Band (SSB) radios, Satellite phones, Very Small Aperture Terminal (VSAT); Broadband Global Area Network (BGAN), to the various organizations indicated in the flowchart.
- In the event of system failures, the mode of communication among units shall be through courier system, inter-personal oral conversations, or through standing broadcast stations – 1) DZMM, 2) DZBB, 3) DZRH, DWBR (FM), social media and others in accordance with the foregoing order of enumeration.
 - ❑ Communication options for inter-operability
 - 1st: Mobile Phones, landlines, and facsimile
 - 2nd: Handheld Radio, Satellite phones, VSAT, BGAN
 - 3rd: Courier (motorcycle, bicycle and other vehicle)
 - 4th: Boats/Balsa - When it is impossible to use land transportation
 - 5th: Helicopter - When it is impossible to use land transportation and sea crafts
 - ❑ Advisory to the public may be coursed through the following:
 - Public Address (PA) System – electronic, electrical and megaphones
 - Media Networks
 - Batingting/ Church Bells

- Emergency light / flags
- Motorbikes of PNP/MMDA
- Two-way radios
- Ferry Boats
- Helicopter/s that will conduct reconnaissance of the situation. This may also be used to provide the means to give advisory/warning to the general public.

FLOW OF OPERATIONS:



STANDARD OPERATING PROCEDURE:

- Member agencies of the communications and warning sector, should immediately report to the MMDRRMC Main and Sub-EOCs with their back-up emergency communication system. One (1) OCD-NCR personnel will be assigned to each quadrant with assistance of one (1) personnel from CDAG and/or 1 MOVERS from until such time that the assisting nearby unaffected OCD Regional Offices arrive. Assisting OCD Regional Offices will be assigned to the following MMDRRMC Sub-EOCs:

MMDRRMC EOC	OCD -NCR	OCD Regional Office	CDAG / Movers
Main MMDRRMC 1. MMDA, Orense St., Makati City 2. AFP-JTF-NCR Compound, near gate 6, Camp Aguinaldo 3. PNP NCRPO HQ, Camp Bagong Diwa, Bicutan, Taguig	2		
North MMDRRMC SUB-EOC • Veterans Memorial Medical Center	1	Region II	1
East MMDRRMC SUB-EOC • LRT 2 Santolan Station Depot	1	Region I	1
West MMDRRMC SUB-EOC • Intramuros Golf Course	1	CAR	1
South MMDRRMC SUB-EOC • Villamor Air Base Golf Course	1	Region V	1

- Situation of the LGU should be immediately monitored with the following minimum data requirements:
 - Search and Rescue Needs
 - Relief Needs
 - Evacuation Needs
 - Medical Needs

- Clearing Needs
- Transportation Needs
- Security Needs
- If an LGU cannot be reached through backup emergency communication systems, the communications and warning sector should immediately deploy the courier system through the assistance of the PNP to give the warning/advisory from PHIVOLCS. If the RDANA of the LGU is already available, the PNP will receive the said report and submit it to the Sub-EOC assigned to the LGU.
- Situation reports from the LGUs submitted to the Sub-EOC, shall be received by the Communications and Warning Sector representative. Received reports should be immediately submitted to the Incident Commander for appropriate action.
 - In the case that the LGU reports to the MMDRRMC Main EOC, the communications and warning sector representative should submit the said report to the Sub-EOC assigned to the said LGU.
 - If the LGU submits their report to the NDRRMC EOC, the report should be submitted to the MMDRRMC Main EOC and to the Sub-EOC assigned to the said LGU.
- Consolidated situation report and actions taken and recommendations/ requests should be submitted to the MMDRRMC Main EOC for appropriate action. The sector representative at the MMDRRMC Main EOC will then submit a consolidated report and actions taken/recommendations for action to NDRRMC EOC
- LGU Situation Reports should be submitted/requested four (4) hours right after the incident. If an additional emergency situation occurs, a report may be given immediately to the Sub-EOC assigned to the LGU.
- All Official Statements/ Reports for the general public through the media will be coming from the Information Officer (IO) as approved by the IC at each Operations Center through the report generated by the
- The OCD-NCREOC will be maintained functioning at their current location that will serve as redundant EOC facility for information dissemination, report generation and validation of incidents reported. A copy of any report generated/received will be furnished to MMDRRMC Main EOC. In case that the OCD-NCR's office is not operational, they will establish their EOC at Camp Aguinaldo.
- The List of Call Sign of Officers and Personnel of the Authority that shall be used for the emergency response until otherwise a new set is issued for this purpose is in Annex B.

POLICIES:

- Ensure communication inter- operability and redundancy with the Office of the President, PHIVOLCS, MMDA, Media networks and all members of the MMDRRMC and NDRRMC.
- Maintain inventory and frequent testing of existing and functional communication system and other redundant communication;
- Maintain directory of emergency contact numbers to include directory of Media Networks, Embassies, and conduct of quarterly communication updating and testing. The updating and testing will include recording of time the message was sent out and received.



OCD preparing communication materials and system during the Metro Manila Shake Drill on July 30, 2015

4.3. Safety and Security

SCENARIO: A 7.2 magnitude with intensity VIII earthquake hit Metro Manila which caused structures to collapse and commercial establishments and vital installations were abandoned/evacuated which are threatened to be looted / robbed. The earthquake also caused fire and heavy traffic all over the metropolis.

OBJECTIVE:

- Provide security services to the following:
 - MMDRRMC EOCs
 - Traffic Direction and Control
 - DSWD Packing Hubs and transportation of relief to and from packing hubs and/or pick-up points to evacuation camps.
 - Evacuation Camps
 - Emergency Field Hospitals
 - Oil depot
 - City Jails
 - Major bus terminals, airports and seaport
 - Roving for security of commercial establishments/abandoned vital installations
 - Fire suppression activities
 - Search and rescue operations
 - Assist in identification of victims



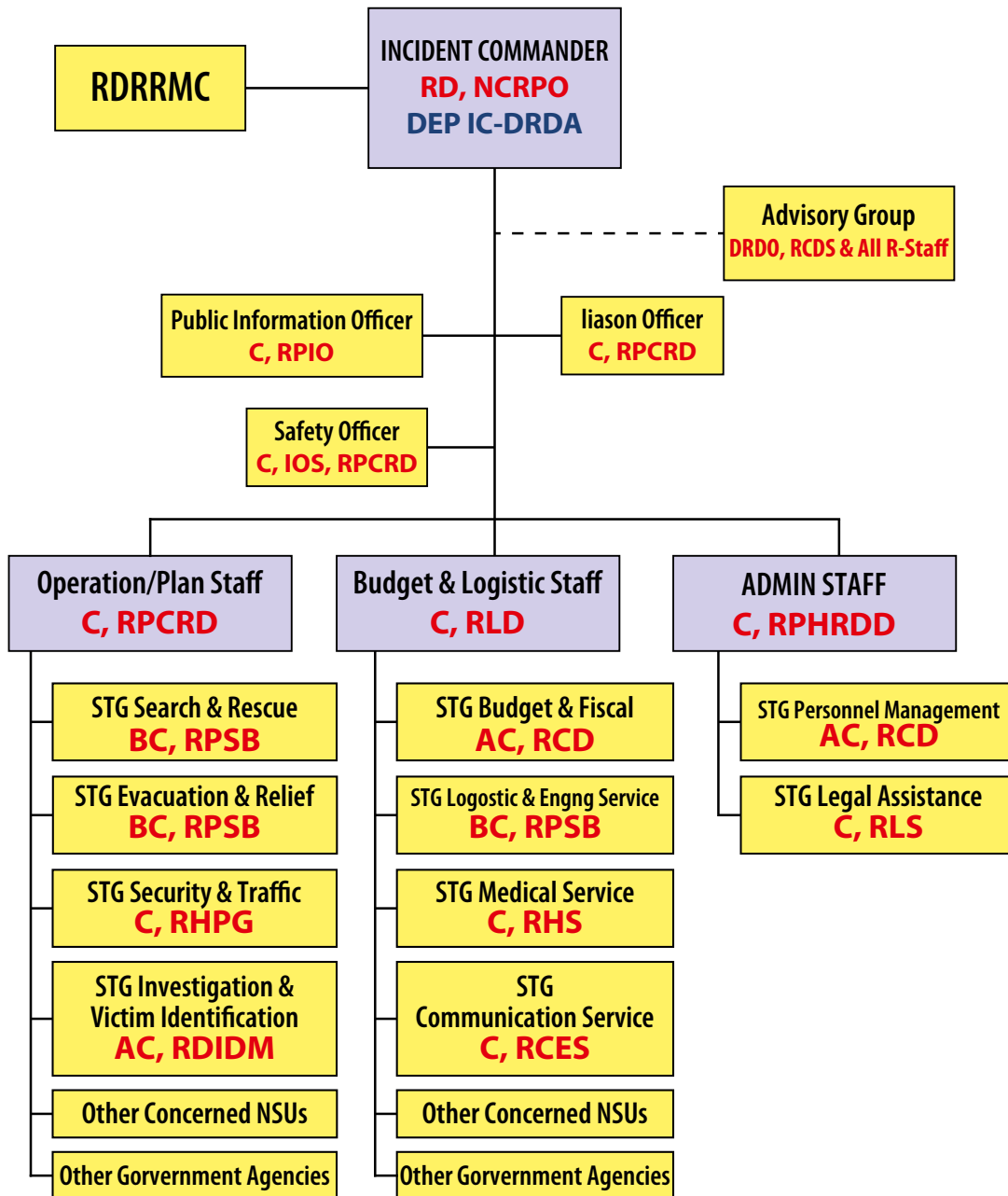
NCRPO secures and controls evacuees from Pasay City South High School during the Nationwide Simultaneous Earthquake Drill on July 27, 2015

LEAD AGENCY: Philippine National Police (PNP)
DEPUTY: National Capital Region Police Office (NCRPO)

NCRPO COMMAND STRUCTURE

PNP DISASTER INCIDENT MANAGEMENT TASK GROUP (DIMTG)

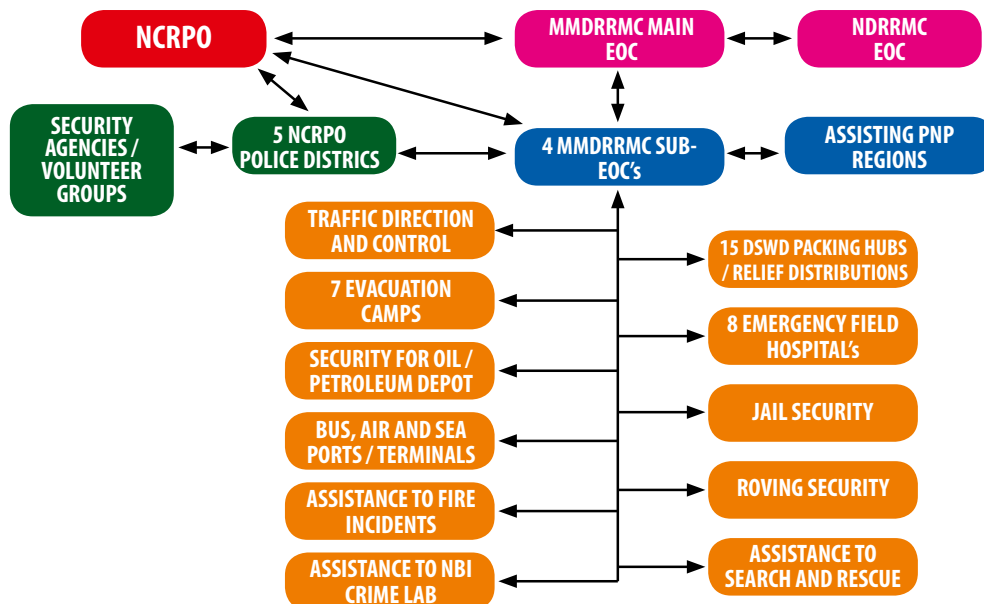
Organizational Structure at PRO/PP0/CPO/CPS/MPS



COOPERATING AGENCIES:

Cooperating Agencies	Task/ Responsibility
<ul style="list-style-type: none"> Local PNP (5 Police Districts composed of 37 City Police Station (CPS) /1 Municipal Police Station (MPS)) Regional Public Safety Battalion (RPSB) Regional Support Units: <ul style="list-style-type: none"> Maritime Group (MG), Highway Patrol Group (HPG), Crime Investigation and Detection Group (CIDG), Special Action Force (SAF), Internal Affairs Service (IAS), National Capital Region Training Center (NCRTC), Legal Service (LS), Regional Communication and Electronics Office (RCEO), Regional Engineering Office (REO), Regional Health Service (RHS), Regional Chaplain Service (RCHS), PNP-Crime Laboratory Joint Task Force-National Capital Region (JTF-NCR) Metro Manila Development Authority (MMDA) Private Security Agencies (PSAs) Philippine Association of Detective and Protective Agency Operators, Inc. (PADPAO) 	<ul style="list-style-type: none"> Assist in providing manpower and equipment augmentation for safety and security needs
<ul style="list-style-type: none"> Bureau of Jail Management and Penology-National Capital Region (BJMP-NCR) 	Lead in securing city jails within Metro Manila
<ul style="list-style-type: none"> Bureau of Fire Protection-National Capital Region (BFP-NCR) 	Assist in Search and Rescue operations
<ul style="list-style-type: none"> Aviation Security Group (AVSEGROUP) Airport Police Philippine Port Authority (PPA) 	Lead in securing airports and ports
<ul style="list-style-type: none"> Local Government Units (LGUs) 	Lead in securing vital facilities and infrastructure within their Area of Responsibility.

FLOW OF OPERATIONS



STANDARD OPERATING PROCEDURE:

A. Activation

- Activate the ICS and Command Centers within the MMDRRMC Sub-EOCs (Veterans Golf Course, North Avenue, Quezon City; Villamor Air Base Golf Course, Pasay City; LRT 2 Santolan Station Depot; Intramuros Golf Course, Manila);
- Nearby regions should immediately activate their teams to be deployed to NCR for manpower augmentation particularly the provision of security and safety services to various areas. Each team, if possible should have their own logistics for transportation and communications including subsistence.

B. Deployment

- NCRPO should immediately deploy personnel to the following areas:

LOCATION/ AREA NEEDING SECURITY	# of PNP Personnel with 8 hours shift	# of NCRPO Personnel to be deployed for 24 hours	Logistics Needed	# of personnel for all locations for 24 hours operation
MMDRRMC Main and Sub-EOC	8/ operation centers/12 hrs shifting	80	<ul style="list-style-type: none"> • 1 patrol car/opcen • 2 handheld radio/ opcen with spare batteries • gasoline 	80
45 Checkpoints for Traffic Direction and Control	8 /checkpoint/12 hours shifting	720	<ul style="list-style-type: none"> • 1 patrol car/ checkpoint • 2 handheld radio with 1 spare battery / checkpoint • gasoline 	720
26 DPWH Clearing Operations	2/clearing operations/12 hours shifting	104 (RPSB)	<ul style="list-style-type: none"> • 1 patrol car/clearing operations • gasoline 	104
15DSWD Packing Hubs/ Relief Distribution	14 / packing hubs/12 hours shifting	420	<ul style="list-style-type: none"> • 1 motorcycle / packing hub • 2 handheld radio / packing hub • gasoline 	420
7 Evacuation Camps	21 / evacuation camp/12 hours shifting	147	<ul style="list-style-type: none"> • 3 handheld radio/ evacuation camp 	294
8 Emergency Field Hospitals	21 / emergency field hospital/12 hours shifting	0	<ul style="list-style-type: none"> • 2 handheld radio/ emergency field hospital 	336
2 (oil depot and pipeline)	35/depot and pipeline/12 hours shifting	0	<ul style="list-style-type: none"> • 2 handheld radio/ depot 	140
24 Jail Security	7 /Jail/12 hours shifting	336	<ul style="list-style-type: none"> • 3 handheld radio/ jail 	336
8 Major Bus Terminals 5 Airports, 1 Sea port	21/ port/ terminal/12 hours shifting	42	<ul style="list-style-type: none"> • 1 handheld radio/ port/ terminal 	294
359 PCP/ Roving Security	2 / PCP/12 hours shifting	1,436	<ul style="list-style-type: none"> • 1 motorcycle/ PCP • 1 handheld radio with spare batteries 	1,436
500 Fire Incidents	2 / fire incident/12 hours shifting	0	<ul style="list-style-type: none"> • 1 handheld radio/ fire incident 	2,000
50 Search and Rescue	2/ search and rescue/12 hours shifting	0	<ul style="list-style-type: none"> • 1 motorcycle/ search and rescue • 1 handheld radio/ search and rescue 	200
17 Assistance to NBI/ Crime Lab	2 / LGU/12 hours shifting	68	<ul style="list-style-type: none"> • 1 handheld radio/ LGU 	68

C. Duties and Responsibilities of Deployed Personnel

- **MMDRRMC Main and Sub-EOC,**
 - The NCRPO personnel assigned to the MMDRRMC Sub-EOCs will gather reports and situations that need to be addressed within their area. Collated reports and actions taken will be submitted to the IC of the MMDRRMC Sub-EOC, NCRPO personnel at the MMDRRMC Main EOC and to the NCRPO Regional HQ;
 - Assisting PNP Regional office will be assigned to each MMDRRMC Sub-EOC. Upon their arrival, they would have to coordinate with the NCRPO personnel at their respective MMDRRMC Sub-EOC to know the details of their deployment;
 - The assisting PNP Regional Office may be deployed to the identified areas needing manpower augmentation within the quadrant; and
- **Checkpoints for traffic direction and control**
 - Gather report/update on alternate routes from MMDA and DPWH-NCR. Establish checkpoints in the identified alternate routes for the management of traffic direction and to avoid traffic build-up with the support of MMDA and HPG. Tap/mobilize security personnel from the support agencies, private security agencies and volunteer groups.
 - The following are the pre-identified checkpoints:

ROAD	No. of Checkpoints	Address
North Luzon Express Way (NLEX)	5 checkpoints	Starts at Cloverleaf Interchange, EDSA, A. Bonifacio Ave., to Mabalacat Pampanga and merged to Mc Arthur Highway
South Luzon Express Way (SLEX)	4 checkpoints	Starts at Pres. Elpidio Quirino Ave to Sto Tomas Batangas
Osmeña Highway	2 checkpoints	Paco Dist. Mla. To Sales Interchange, Pasay City
EDSA & SALES	13 checkpoints	Pasay City
Roxas Boulevard	4 Checkpoints	Along the shores of Manila Bay
Taft Ave	9 checkpoints	Padre Burgos St., to Redemptorist Road, Baclaran (boarders of Pasay and Parañaque)
Lacson	5 checkpoints	Sampaloc Manila to Nagtahan Bridge, Sta. Mesa
Quirino	3 checkpoints	Nagtahan Bridge to Sta Mesa in the North to Roxas Blvd. Malate, Manila

- **Evacuation Camps, DSWD Packing Hubs and transportation of relief goods to evacuation Camps**
 - Extend security assistance to DSWD for the transportation and distribution of relief goods.
 - Provide perimeter and area security to the relief packing hubs, ECs of the DSWD.

EVACUATION CAMPS	DSWD RELIEF PACKING HUBS
North Quadrant	
1. Veterans Memorial Medical Center (87,616 persons) 2. UP Diliman Grounds (60,846 persons)	1. Reception and Study Center for Children, Social Hall 2. Nayon ng Kabataan Covered Court, Brgy. Addition Hills 3. Religious of the Good Shepherd Provincialate, Katipunan, Quezon City 4. La Salle Greenhills
East Quadrant	
3. Marikina Boys Town (86,797 persons) 4. Red Cross, Marikina (65,345 persons) 5. Ultra, Pasig (4,067 persons)	5. Philippine Sports Arena (ULTRA) 6. Ateneo de Manila Open Field***
West Quadrant	
6. Intramuros Golf Course (13,928 persons)	7. DSWD- NCR, Legarda, Manila 8. Asilo de San Pablo, UN Ave., Manila 9. Rizal Memorial Sports Complex, Manila 10. La Salle Taft
South Quadrant	
7. Villamor Air Base Golf Course (118,089 persons)	11. Haven for Children Covered Court, Alabang, Muntinlupa 12. TESDA Training Center 13. Department of Science and Technology (DOST) 14. DSWD NROC, Airport Road Pasay City (National Warehouse) 15. DSWD CO (Pasay)

- **Emergency Field Hospitals**
 - Extend security assistance to the Department of Health's Emergency Field Hospital.

Quadrant	Location of Emergency Field Hospital
North Quadrant	1. Veterans Memorial Medical Center, North Ave., Quezon City 2. Quezon Memorial Circle 3. UP Diliman
East Quadrant	4. LRT 2 Santolan Station Depot 5. Cirma Street Field Hospital for Amang Rodriguez Medical Center
West Quadrant	6. Intramuros Golf Course 7. Quezon Institute
South Quadrant	8. Villamor Air Base Golf Course, Pasay

- **Oil/ Petroleum Depot**
 - Provide security to all oil/petroleum depot to ensure continuous supply in Metro Manila
 - Location of oil/ petroleum depots - #631 Tomas Claudio St., Pandacan, Manila (Shell, Caltex & Petron)

- **Jail Security**
 - Provide security to city jails within Metro Manila
 - List of City Jails (CJ) and identified evacuation area:

CITY JAIL	EVACUATION AREA	ADDRESS
Manila CJ	Open Area inside Jail	Manila City Jail, Quezon Blvd., Sta. Cruz, Manila
Manila CJ Annex	Open Area inside jail	Camp BagongDiwa, Bicutan, Taguig City
Marikina CJ	Marikina Sports Complex	Quezon Blvd., Sta. Cruz
MMDJ	Open Area inside jail	Camp BagongDiwa, Bicutan, Taguig City
SICA 1	Open Area inside jail	Camp BagongDiwa, Bicutan, Taguig City
Caloocan CJ	Open Area (Basketball Court Inside Jail)	Talimusak cor. Tanigue St., Kaunlaran Village, Dagat-dagatan Ave., Caloocan City
Las Pinas CJ	Open Area (Parking space in front of City Hall)	City Hall Compound, Alabang, Zapote Road, Las Piñas City
Makati CJ	Open Area (Basketball Court/Visiting area)	02 Lawton Ave., North Side, Makati City
Malabon CJ	Open Area (Malabon Peoples Park in front of Jail)	Catmon, Malabon
Mandaluyong CJ	Mandaluyong Gym/Stadium (Back of Jail)	Maysilo Circle, Mandaluyong City
SICA 2	Open Area inside jail	Camp BagongDiwa, Bicutan, Taguig City
Muntinlupa CJ	Open Area inside MMDJ	Tunasan, Muntinlupa City
Navotas CJ	Navotas Sports Complex beside Jail	M. Naval st., TipakAlmasen, Navotas City
Paranaque CJ	Open Area (Parking space of St. Andrews Church)	General Emilio Aguinaldo Ave., Brgy., La Huerta, Parañaque City
Pasay CJ	Villamor Airbase	FB Harizon, Pasay City
Pasig CJ	Open area (BahayAruga of DSWD)	Molave St., Nagpayong, Pinagbuhatan, Pasig City
Pateros MJ	Open area (Plaza)	G. De Borja St., Brgy., Aguho, Pateros, M. Mla
Quezon CJ	Covered Court at Bernardo Park	Kamuning St., Quezon City
Quezon CJ Annex	Open Area inside jail	Camp BagongDiwa, Bicutan, Taguig City
Quezon CJ-FD	Camp Karingal Open Space (Parade Ground)	Camp Karingal, Quezon City
San Juan CJ	San Juan Arena	PNP Hqs. Santolan Road, cor. P Guevarra St., San Juan City
Taguig CJ	Open Area inside jail	Camp BagongDiwa, Bicutan, Taguig City
Valenzuela CJ	Open Area Inside Jail	Maysan Road, Valenzuela City

- **Bus, air and sea ports and terminals**
 - Teams will ensure security and order of passengers in major bus terminals, airports and seaports. The following are the identified ports and terminals:

PORT/ TERMINAL	LOCATION
8 Major Bus Terminals	<ul style="list-style-type: none"> • Farmers, Cubao • Cubao, EDSA, North Bound • Cubao, EDSA, South Bound • Pasay, EDSA, North Bound • Pasay, EDSA, South Bound • Coastal Mall, Central Terminal • Monumento, Caloocan • Sampaloc, Manila
4 Airports	<ul style="list-style-type: none"> • Ninoy Aquino International Airport (NAIA) Terminal 1 • NAIA Terminal 2 • NAIA Terminal 3 • NAIA Terminal 4
1 Seaport	<ul style="list-style-type: none"> • Port of Manila

- **Roving, Safety and Security Services to Fire Incidents, Search and Rescue Teams and NBI/PNP Crime Lab**
 - The local PNP is expected to take charge, within their AOR, of securing the following:
 - Roving security for commercial establishments, abandoned structures and vital installations and control chaos and other possible incidents;
 - Fire incidents;
 - Search and rescue activities;
 - Security assistance to NBI/PNP Crime Lab.
 - NCRPO and assisting Regional Police Offices will send augmentation to the Local PNP.

D. Monitoring and Reporting

- Each team deployed should regularly report to their respective District Offices and MMDRRMC Sub-EOC assigned to the city/municipality they are assisting.
 - The NCRPO District Offices submit the collated reports to NCRPO HQ. NCRPO HQ then submits the collated reports to MMDRRMC Main EOC and PNP HQ.

POLICIES:

As the head of the safety and security sector, the NCRPO shall perform and consider the following in preparation for sudden onset of disasters:

1. Communicate at all levels this Contingency Plan (Deployment Plan) including revisions and adjustments that will be made as a result of review and updating
2. Implement capacity building program for all safety and security personnel:
 - 1.1. ICS
 - 1.2. Crowd Control/ Management
 - 1.3. Traffic Management
 - 1.4. Reporting System
 - 1.5. Drills and Exercises
 - 1.6. Search and Rescue (SAR) Training; and
 - 1.7. PNP Stations Protocol on Natural Disaster
3. Maintain an updated inventory of safety and security equipment such as:
 - 1.1. Alarm system;
 - 1.2. Mobility (Trucks, Motorcycle, Patrol Cars/Jeeps);
 - 1.3. Communication system (Base and handheld radios); and

- 1.4. Protective equipment (SAR equipment).
4. Review and update the Contingency Plan (Deployment Plan); identify the number of personnel and areas of deployment using the risk assessment reports and maps;
5. Establish linkages and coordination with the identified offices/agencies concerned regarding their role/s/ updates in the Contingency Plan;
6. Develop Memorandum of Agreement (MOA)/ Memorandum of Understanding (MOU) with private security agencies (Present the MOU for Anti-Criminality as basis per RA 5487/another MOU may be prepared for the purpose and volunteer groups;
7. Observe stockpiling of petroleum, oil and other lubricants (POL) products (30K Ltrs of XCS and Diesel per tank), tents (to serve as base/sleeping area) and other provisions for deployed safety and security personnel.

4.4. Search and Rescue

SCENARIO: The following are the expected damages to be experienced with an Intensity VIII earthquake:

CITY	Slight Damage (sqm)	Moderate Damage (sqm)	Extensive Damage (sqm)	Complete Damage (sqm)	Complete Collapse (sqm)	Heavily Damaged Houses ⁹
Calocan	3,479,806	5,232,422	4,087,406	5,072,855	625,656	7,200
Manila	4,010,957	8,103,927	9,825,526	11,969,904	1,385,187	26,200
Las Piñas	1,898,996	3,036,596	2,420,619	2,990,543	405,359	6,400
Makati	2,239,323	4,291,520	4,261,247	6,223,243	638,784	9,200
Malabon	1,012,122	1,670,251	1,477,221	1,960,091	227,640	4,700
Mandaluyong	1,199,782	2,063,208	1,912,450	2,249,883	253,941	4,400
Marikina	1,214,505	2,396,756	2,707,179	4,003,510	548,329	15,300
Muntinlupa	1,736,660	3,020,253	2,877,665	3,845,083	476,436	13,500
Navotas	394,736	707,097	709,673	1,016,382	117,412	5,700
Parañaque	2,897,909	4,893,277	4,307,947	5,149,340	681,479	9,200
Pasay	1,096,852	2,129,076	2,479,783	3,062,884	368,315	7,000
Pasig	2,213,476	4,156,819	4,708,861	6,922,002	856,014	23,000
Pateros	83,141	167,761	222,650	472,378	58,103	1,700
Quezon	11,049,945	17,663,877	14,187,637	15,414,694	1,997,221	26,900
San Juan	699,746	1,156,132	951,902	920,029	114,219	1,200
Taguig	2,014,723	3,373,491	3,300,500	4,594,379	532,398	11,600
Valenzuela	3,321,678	4,786,840	3,073,094	2,633,301	356,300	2,400
SUM	40,564,357	68,849,303	63,511,360	78,500,501	9,642,793	175,600

OBJECTIVES:

- To provide immediate rescue to earthquake victims and survivors and to thoroughly search for missing persons;
- To execute techniques and methods necessary for searching, locating, stabilizing, and extricating victims trapped in collapsed structures, using the safest and most appropriate procedures for the rescuer as well as the victim;
- To conduct safe and effective search and rescue operations at collapsed structure incidents involving the collapse or failure of reinforced and unreinforced masonry, concrete, tilt-up and heavy timber construction.

LEAD AGENCY: Armed Forces of the Philippines (AFP)

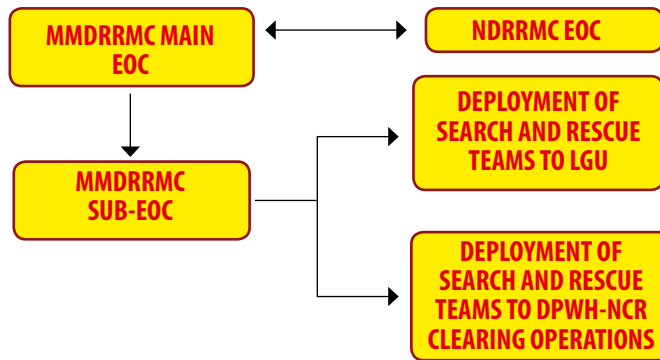
DEPUTY: MMDA

9 - MMEIRS

COOPERATING AGENCIES:

AGENCY / GROUP	TASK / RESPONSIBILITY
<ul style="list-style-type: none"> • Armed Forces of the Philippines-Joint Task Force National Capital Region (AFP-JTF NCR) • Bureau of Fire Protection • Philippine National Police • Fire National Training Institute • Olongapo City Disaster Risk Reduction and Management Office • Subic Bay Metropolitan Authority (SBMA) Fire Department • Amity Public Safety Academy • Emergency Rescue Unit Foundation • Davao Rescue 911 • Various Mining Companies 	<p>Assist in providing manpower and equipment augmentation for search and rescue needs.</p>

FLOW OF OPERATIONS:



STANDARD OPERATING PROCEDURE:

- Right after the intense earthquake, all MMDA SAR personnel should immediately report status and location to the MMDRRMC Main EOC. If possible, immediately go to their assigned quadrant or MMDRRMC Sub-EOC and check-in with the IC/MMDA.
 - In case that there is difficulty in reporting to their respective Sub-EOC, SAR members should check-in to the Sub-EOC nearest to his/her current location.
- Deployment of SAR teams will be based on the situation reports from the LGU and nearby areas.
- The SAR team deployed to assist the DPWH-NCR will first check the area to be cleared for any trapped victim. They will give the go signal to the DPWH-NCR if clearing of the debris can commence.
- SAR teams deployed to assist the LGUs should check-in and follow protocol of the requesting party.
- Pre-positioned Disaster Response Equipment & Field Storage Units (DRETFSU) provided by MMDA can be used to extract trapped victims inside collapsed structures by any capable civilian until the rescue team arrives.
- Volunteer rescue teams will first check-in with the Sub-EOC nearest to them for deployment instructions.
- Only a doctor can officially declare a victim dead.
- SAR teams should follow the following protocol:
 - Each SAR team will be composed of 6 personnel accompanied with a medical team from the City Health Office, if possible. Each team is with 12 hours shift.

MEMBER	FUNCTION
1 SAR LEADER	<ul style="list-style-type: none"> • Communicate with the LGU's Command Post or EOC. • Receive work instructions. • Assign tasks to the rescuers. • Decide which tools should be used to perform specific tasks. • Monitor work rotations. • Update the CP on status, progress and completed tasks to the LGU and counterpart MMDRRMC Sub-EOC. • Safety officer for the team. • Maintain a log of all events, actions and expenditures.
5 RESCUE SPECIALIST	<ul style="list-style-type: none"> • Carry out work instructions from the Team Leader. • Use the tools, equipment and accessories correctly and safely. • Update the SAR Leader on task progress. • Request from the Team Leader the resources necessary to complete the task.
1 LOGISTICS	<p>The Logistic Position is a rotating position within the SAR. This rescuer is responsible for the tools, equipment and accessories, and other resources; SAR members will take turns assuming this responsibility.</p>

▪ **NOTE:**

It is standard procedure to work in pairs. The second rescuer stands behind the first providing physical support and monitoring safety. Working in pairs also provides the opportunity for rotations and rest.

▪ Each member of the SAR team will have the following personal and protective equipment:

- Canteen or 1Liter bottle container (for hydration purposes)
- Ear protection
- Flashlight, head-mounted or hand-held, w/ replacement batteries
- Hat, cap or other sun protection
- Heavy-duty work gloves
- Knee pads (pair) (optional)
- Elbow pads (pair) (optional)
- Raincoat (for weather disturbances)
- Safety boots with steel safety toe
- Safety goggles
- Safety helmet with chin strap (industrial or rescue type)
- Safety Whistle
- Work clothes (full sets)

▪ Upon Activation and Mobilization, SAR operations have the following phases:

1. ACTIVATION AND MOBILISATION – (request to respond)

- Request transportation.
- Pack and load equipment.
- Notify team members.
- Obtain information on disaster. This includes information such as type, location, and topography, magnitude/area, number of people affected, number of buildings affected, weather, access routes
- Brief team members on current situation.

2. OPERATIONS

- The Operations phase relates directly to search and rescue work and is divided into SIX STAGES. The second stage or Initial Assessment consists of FIVE STEPS.
- Stages of operation phase:

Stage 1: Securing the Scene

A procedure is carried out to ensure safety and protection to the fullest extent possible for the rescuers, bystanders and victims.

Stage 2: Initial Assessment

This stage consists of a systematic and ordered procedure for analyzing conditions during a CSSR operation. The purpose is to ensure safety and protection to the fullest extent possible for the rescuers, bystanders and victims (hazard mitigation). IT begins with the operations phase and continues until the rescue operation is complete.

The INITIAL ASSESSMENT consists of the following five steps:

Step 1: Once at the scene, consult local authorities, gather data and conduct a need analysis. Confirm and update all information obtained in the activation phase.

Step 2: Establish Command Post.

Step 3: Establish Operational Objectives, such as:

- General access to the disaster site.
- Strategic planning and priorities.
- Allocating resources and personnel managing operations begun by neighbors or other organizations.

Step 4: Assign task to rescue team.

Step 5: Reassess the situation and make necessary adjustment.

Stage 3: Search and Locate

Conduct a search using a specific set of techniques to obtain a response or indications of the presence of live victims in a void space inside a collapsed structure.

Stage 4: Gain access to the victims

Remove rubble, break and breach materials and create a passageway to access the void space where a live victim is believed to be located.

Stage 5: Stabilise the patient

Perform basic life support on site before extricating the victim in order to improve later chances of survival. You will hand off the victim to more advanced medical care after extrication.

Stage 6: Extricate the victim

Remove rubble surrounding the victim, ensuring no further injury. Shore loads as needed. Ensure no additional pressure is applied to any trapped portions of the body.

3. DEACTIVATION and DEMOBILIZATION

- Confirm no other operations are needed.
- Account for all tools and equipment. Prepare tools and equipment and pack them for transportation.
- Confirm that personnel have all their personal items.
- Arrange for transportation.

4. POST-OPERATIONAL ACTIVITIES

- Critical Incident Stress Management (CISM)
- Medical physical examinations for rescue personnel.
- Equipment rehabilitation.
- After-Action Report for institutional management.
- Operational debriefing with rescue team.

OPERATIONAL SAFETY

Due to the risks associated with the use of tools and equipment and the environmental conditions all persons involved in any manner with **SAR MUST** follow the safety rules outlined below.

- 1. Collapsed Area:** No one is allowed to enter the collapsed areas without explicit prior

authorization from the SAR leader: SAFETY FIRST IS OUR MAIN PRIORITY.

2. **Personal protective equipment:** Anyone entering the collapsed area must be wearing (in the correct manner) **all** required personal protective equipment.
3. **Hygiene:** To reduce as much as possible the possibility of contamination or contagion, **you must wash your hands** with soap and water before and after entering the work area; before and after eating; and before and after using the bathroom.
4. **Safety officer:** During the SAR one individual from the SAR team will be the designated safety officer and will be clearly and visibly identified. This person will be in charge of all safety-related matters throughout the entire operations, and will have the authority to partially or completely halt all activities if needed.
5. **Group safety:** All members of the SAR team will also be responsible for the safety of the people in their respective groups. Should you observe any unsafe action or condition, or an emergency, immediately alert the Safety Officer. For this purpose, everyone will receive an emergency whistle to use in an emergency.
6. **Whistle signals:** The Safety Officer will use the whistle to give alarm signals and alerts in the work area using the following signal system:
 - **One long signal:** stop all work and listen for instructions.
 - **One long, one short:** continue working.
 - **Three short signals:** alarm signal, evacuate the area immediately to a previously designated safety zone.
7. **Safety Zone:** The Safety Officer will establish a safety zone near the work area. The safety zone will be used in case of any emergency requiring immediate evacuation of the work area.
8. **Emergency medical services:** A medical first responder kit and a means of communications must be made available to ensure EMS arrival within 15 minutes, should the need ever arise.
9. **Fire extinguisher:** A portable 20-pound (9-kilo) dry-chemical fire extinguisher will be available in case of fire. You must be aware of its location especially when refueling or lubricating equipment used in SAR.
10. **Drinking water:** A canteen or drinking bottle filled with drinking water, to prevent dehydration. A water container for all SAR team will be available near the work area.
11. **Maintenance:** You are responsible for maintaining all tools, equipment and accessories. Instructions and standards for maintenance are described in their respective manuals.
12. **Rotations:** Each work group must complete personnel rotations as directed by the Safety Officer. Under normal conditions, rotations will be every 15 minutes, but weather may be a factor.
13. **Trash:** All trash must be placed into designated trashcans or waste containers. No littering is permitted.
14. **Smoking and drinking:** No smoking or drinking is allowed in the active work area.
15. **Weather conditions:** The Safety Officer will decide whether exercises can continue in the work area during adverse or threatening weather.
16. **Safety markings:** All objects or areas in the work area that may pose a hazard to anyone must be marked with scene tape or safety cones.
17. **Team safety:** All operations involving the use of tools and equipment must be conducted in pairs, so that one person can use the tool or equipment while the other acts as a safety lookout. The safety lookout will use a signal system in which one tap on the shoulder means to stop working, and two taps means to continue.

POLICIES:

- Extreme caution should be exercised by teams tasked to undertake this activity following established procedures. Under no circumstances should SAR be attempted by untrained individuals or when there is extreme danger posed by unstable debris.
- Contents of pre-positioned DRETFSU should be checked and tested every month.
- MMDA should have continuous preparation of SAR teams with the following considerations:
 - Selection of team members
 - Training of team members

- Personal Protective Equipment (PPE)
 - Tools and equipment. Very important to maintain in proper working condition and ready for mobilization to work site.
 - Make general transportation arrangements.
- The list of minimum standard of tools, equipment and accessories for Search and Rescue teams is in *Annex C*.



Search, Rescue and Retrieval demonstration during the Nationwide Simultaneous Earthquake Drill on July 27, 2015

4.5. Relief and Camp Management

SCENARIO:

- 3.0M Individuals estimated to be displaced because of damage to structures:
- Major Evacuation Camps:

Evacuation Camp	Evacuees (Individuals)
<i>North Quadrant</i>	
Veterans Memorial Medical Center	87,616
UP Diliman Grounds	60,846
<i>East Quadrant</i>	
Marikina Boys Town	86,797
Red Cross, Marikina	65,345
Ultra, Pasig	4,067
<i>West Quadrant</i>	
Intramuros Golf Course	13,928
<i>South Quadrant</i>	
Villamor Air Base Golf Course	118,089

- Only 30% of existing manpower (249 staff) & equipment will be available for the 1st six (6) days

OBJECTIVES:

- To ensure safety of the affected families thru delivery of essential relief and rehabilitation services

Specifically:

- To ensure the availability of established and safe evacuation centers for emergencies and disasters;
- To ensure that temporary refuge of individuals and families potentially at risk or in actual danger are immediately provided;
- To ensure that all evacuees in evacuation center are provided with basic needs such as but not limited to food, clothing, domestic items, hygiene materials, survival kit and other essential non-food items;
- To ensure that opportunities for recovery, rehabilitation and developmental tasks as post response activities are undertaken in case of prolonged disaster operation.

LEAD AGENCY: Department of Social Welfare and Development (DSWD)

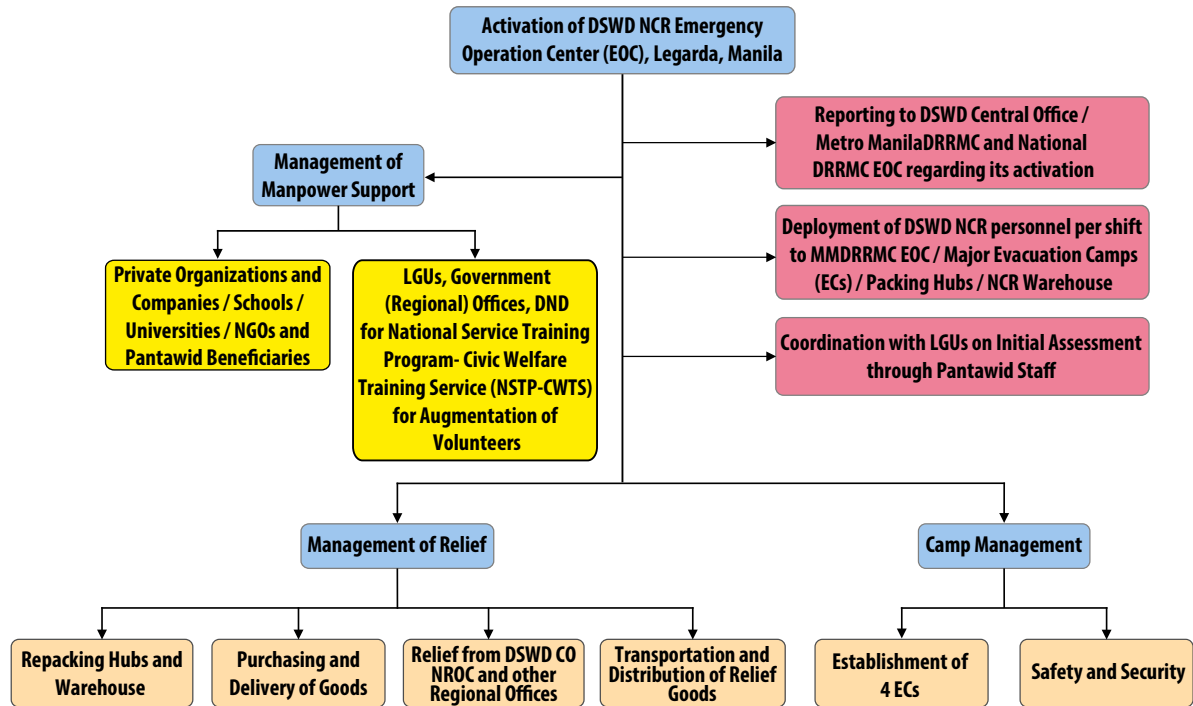
DEPUTY: Department of Social Welfare and Development - National Capital Region (DSWD-NCR)

COOPERATING AGENCIES:

AGENCY / GROUP	TASK / RESPONSIBILITY
Department of Social Welfare and Development Regions I, II, V, VI, VII, CAR, X, XI and other DSWD Regions	Send augmentation to the needs in evacuation camps and other victims.
Department of the Interior and Local Government-National Capital Region (DILG-NCR)	Coordinate provision of facilities inside the evacuation camps (e.g. tents, portalets, lights, etc.).
Department of Public Works and Highways-National Capital Region (DPWH-NCR)	Coordinate provision of electricity and water source inside the evacuation camps.
Department of Health National Capital Region Office (DOH-NCRO)	Provide maintaining Water, Sanitation and Hygiene (WASH) and nutrition guidance in the evacuation camps;

AGENCY / GROUP	TASK / RESPONSIBILITY
Department of Transportation and Communications (DOTC)	Facilitate the provision of transportation of relief goods to evacuation camps;
National Capital Region Police Office (NCRPO)	Provide security in evacuation camps, repacking hubs and transportation of relief items.
Armed Forces of the Philippines (AFP)	Provide security in evacuation camps, repacking hubs and transportation of relief items.
<ul style="list-style-type: none"> • Commission on Higher Education (CHED) • Department of Education (DepEd) 	Ensure safety of students and immediate resumption of classes
<ul style="list-style-type: none"> • Department of Labor and Employment (DOLE) • Department of Trade and Industry (DTI) • Technical Education and Skills Development Authority (TESDA) 	Provide income generating opportunities to displaced population.
<ul style="list-style-type: none"> • Metropolitan Manila Development Authority (MMDA) • Office of Civil Defense (OCD) • Local Government Units (LGUs) 	Assist in coordinating needed resources
Department of Justice (DOJ)	Ensure human rights is maintained in evacuation camps.

INITIAL FLOW OF COORDINATION UPON ACTIVATION OF DSWD NCR EOC:

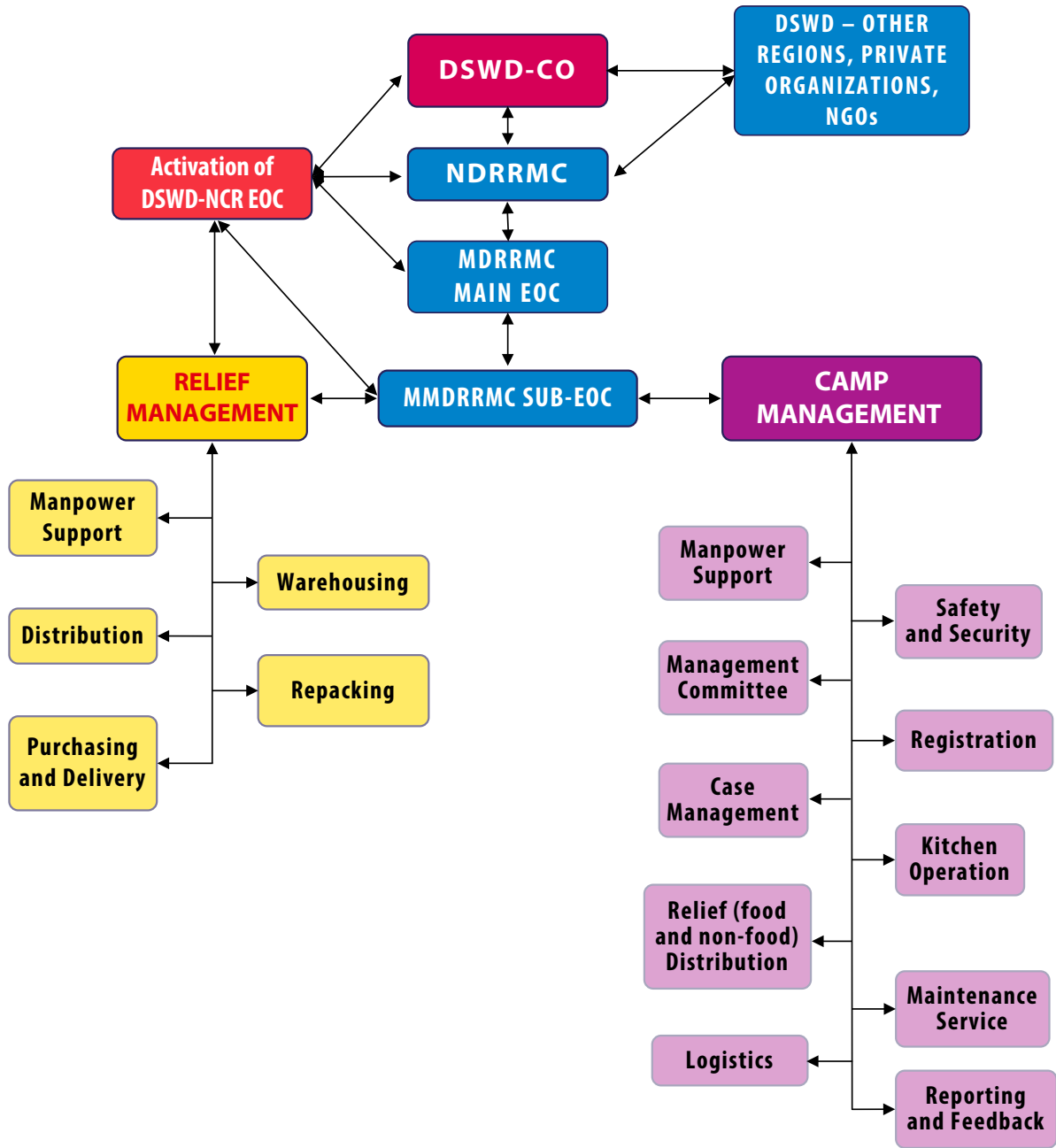


ACTIVATION OF DSWD NCR EMERGENCY OPERATIONS CENTER (EOC) LEGARDA, MANILA IMMEDIATELY AFTER THE GROUND SHAKING:

The activation of DSWD NCR EOC shall be reported immediately to DSWD-Central Office (CO) Office of the Secretary-Disaster Response Operation Monitoring and Information Center (OSEC-DROMIC), MMDRRMC EOC and NDRRMC.

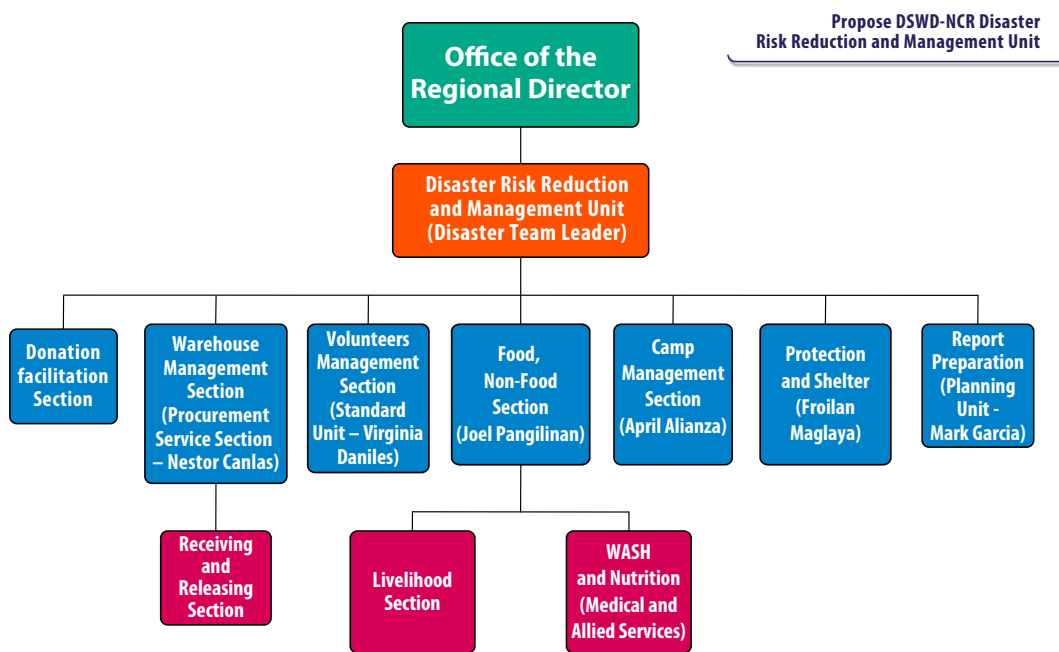
- A DSWD-NCR personnel in two (2) shifting schedule will be deployed and shall render duty at the MMDRRMC EOC, Major Evacuation Centers, packing hubs and NCR Warehouse within 8 Hours after the ground shaking
- Coordination with 17 LGUs to conduct initial assessment, reporting and feedbacking to DSWD-NCR EOC by the Pantawid Pamilya field staff using all available means of communication.
- **Manpower Support**
 - DSWD-NCR shall coordinate with its partner organization and companies, schools and universities, NGOs and Pantawid Beneficiaries for the volunteers in repacking, storage and distribution of relief goods in the four (4) ECs;
 - DSWD-NCR shall coordinate with the LGUs that are not directly affected, Government Offices and civilians that have undergone the National Service Training Program – Civic Welfare Training Service (NSTP-CWTS).
- **Management of Relief**
 - Activation of existing MOA with partner suppliers/ manufactures for the delivery of goods directly to packing hubs and evacuation centers through the DSWD-NCR – Administrative Division;
 - Activation of existing Coordination with DSWD-CO OSEC-DROMIC for the support of other DSWD-Field Office (FO) for its provision of 50,000 standby goods/ manpower/ equipment.
 - DSWD-NCR will coordinate with MMDRMC EOC, DOTC, MMDA and AFP for vehicles required in the transportation of goods from DSWD packing hubs, Villamor Airbase, Manila Port to the four (4) ECs and packing hubs.
 - Coordination with AFP, PNP and MMDRMC EOC for the provision of safety and security of delivery of services
- **Camp Management**
 - Coordination with DILG, Metropolitan Waterworks and Sewerage System (MWSS), DOH, MMDA, Private Sectors, LGUs, LDRRMCs, DPWH, DOTC, DepEd for the establishment of ECs;
 - Coordination with AFP and PNP for the provision of the safety and security services at the evacuation centers.

FLOW OF OPERATION:



STANDARD OPERATING PROCEDURE:

1. Deployment of DSWD-NCR Operating Center

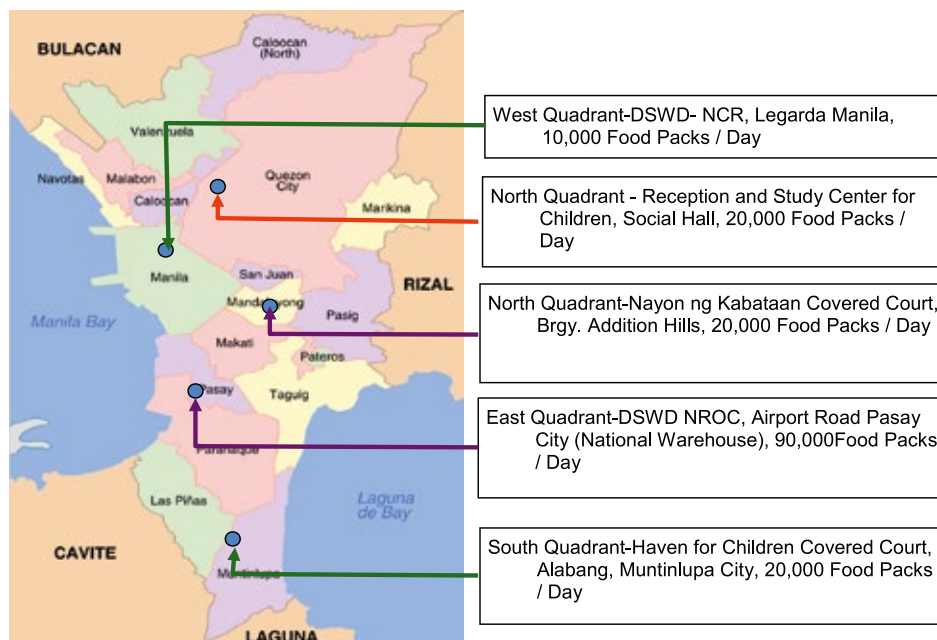


Propose DSWD-NCR Disaster Risk Reduction and Management Unit

2. Deployment of two DSWD NCR staff to MMDRRMC EOCs within 8hrs. The DSWD representative will receive all reports of relief needs from the LGU within its jurisdiction. This will be submitted to the Incident Commander with recommendation for deployment and needs for transportation. The representative will also monitor and report remaining stocks of the packing hub within the Sub-EOC to DSWD-NCR EOC and IC with a furnished copy to the MMDRRMC Main EOC.

A. Management of Relief

- a. Activation of Repacking Hubs
 - i. DSWD-NCR Repacking Hubs



ii. Partner Repacking Hubs within Metro Manila

AGENCY / INSTITUTION	Contact Persons	ADDRESS	Contact Number	Capacity (FPs/day)
<i>NORTH QUADRANT</i>				
ABS-CBN Foundation	MS. GINA LOPEZ Chairperson	Mother Ignacia Street, Sgt. E.A. Esguerra Avenue Corner, Quezon City 1100, Metro Manila	(02) 415 2272	20,000 FP/day
GMA Kapuso Foundation	MS. CARMELA TIANGCO Executive Vice- President	<ul style="list-style-type: none"> • 2nd Floor Kapuso Center, GMA Network Drive corner Samar Streets, Diliman, Quezon City • GMA Kapuso Foundation Warehouse. 366 GMA Compound Tandang Sora Avenue Brgy. Culiati, Quezon City 	<ul style="list-style-type: none"> • 928-4299/928-9351 • 931-7013 	20,000 FP/day
Aksyon Agad TV 5	MR. NOEL LORENZANA President and CEO	TV5 Media Center, Reliance St., Mandaluyong City		20,000 FPs/day
Religious of the Good Shepherd Provincialate	SR. CECILIA TORRES Provincial Coordinator	1043 Aurora Blvd., Quezon City	913 -6407	20,000 FPs/day
Araneta Coliseum	MR. JORGE L. ARANETA President, CEO	Araneta Center, Cubao, Quezon City	www.smartaranetacoliseum.com	20,000 FPs/day
Ateneo De Manila University	FR. JOSE T. VILLARIN SJ University President	Katipunan Avenue, Quezon City	(02) 426 6001	20,000 FPs/day
<i>EAST QUADRANT</i>				
Philippine Sports Arena (ULTRA)	MR. RICARDO R. GARCIA Chairman	Meralco Avenue, Pasig City	(63) 928-3741408	40,000
La Salle Greenhills	BRO. FELIPE BELLEZA, FSC President	Holy Cross Greenhills, Mandaluyong City	(02) 721 0296	20,000
<i>WEST QUADRANT</i>				
Caritas Manila	FR. ANTON CT PASCUAL Executive Director	2002 Jesus St., Pandacan, Manila	(632) 562-0020 to 25 Fax: (632) 563-93-06; (632) 564-6678	20,000
Buddhist Tzu Chi Foundation, Philippines Tzu Chi Great Love Campus (TCGLC)	MR. ALFREDO T. LI Chief Executive Officer	76 Cordillera cor. Agno Sts., Brgy. Doña Josefa, Quezon City (632) 1000 Cordillera cor. Lubiran Sts., Bacood, Sta Mesa, Manila	7320001 Email : tzuchi_phils@ph.tzuchi.org (632) 7141188; 7142288 (632) 7141188; 7142288	20,000
Unilever Philippines	MR. ROHIT JAWA Chairman and CEO	1351 U.N. Ave., Paco, Manila	(063) 588 8888. Fax No.: (0632) 702 3833	20,000
Asilo De San Pablo	SR. NIEVA C. MANZANO, DC Administrator	U.N. Ave., Manila	(02) 523 3829	20,000
Rizal Memorial Sports Complex	MR. RICARDO R. GARCIA Chairman	Adriatico St., Malate Manila	525-2171	20,000

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AGENCY / INSTITUTION	Contact Persons	ADDRESS	Contact Number	Capacity (FPs/day)
Philippine Red Cross	MS. GWENDOLYN PANG Secretary General	Port Area, Bonifacio Drive, Manila	527-0000	20,000
La Salle Taft	BRO. RICARDO P. LAGUDA FSC President	2401 Taft Ave., 1004 Manila	523-4148	20,000
SOUTH QUADRANT				
DSWD- National Resource Operation Center (NROC)	DIR. THELSA BIOLENA (Department Head)	Chapel Road, Pasay City	8512681	50,000
TESDA Training Center	MR. EMMANUEL JOEL VILLANUEVA Secretary	TESDA Complex Gate 2, East Service Road, South Superhighway Taguig City	811-3499 Fax No. 893-8306 tesdacontactcenter@gmail.com	20,000
Department of Science and Technology (DOST)	HON. MARIO G. MONTEJO Secretary	DOST Bldg. Gen. Santos Ave., Bicutan, Taguig City, Metro Manila 1631	(632) 837-20-71 to 82; 837-31-71 to 90 Fax: (632) 837-8937	20,000

iii. Coordination for the Activation of Repacking hubs outside Metro Manila

DSWD – FIELD OFFICES	Contact Persons	ADDRESS	Contact Number
FO – CAR	MR. LEONARDO REYNOSO Regional Director	40 North Drive, Baguio City	(074) 446-5961 Fax No. 442-7917
FO - I	MR. MARCELO NICOMEDES CASTILLO Regional Director	Quezon Ave., San Fernando, La Union	(072) 888-2184 Fax No. 888-2184
FO - II	MS. REMIA TAPISPISAN Regional Director	No. 3 Dala na Pagayaya, Regional Government Center, Carig Sur, Tuguegarao, Cagayan	(078) 846-7043 846-7418 Fax No. 846-7043
FO - V	MR. ARNEL GARCIA Regional Director	Magnolia St. PBN, Buraguiz, Legaspi City	(052) 820-4637 Fax No. 480 – 5754
FO - VI	MS. MA. EVELYN MACAPOBRE Regional Director	M.H. Del Pilar, Molo, Iloilo	(033) 337-6221 Fax No. 337-6221
FO - VII	MS. MERCEDITA JABAGAT Regional Director	M.J. Cuenco cor. Gen. Maxilom Ave., Cebu City	(053) 521-2040 Fax No. 321-1007

3. Deployment of DSWD NCR Staff/Volunteers and Logistics to Repacking Hubs within MM. The ff. Manpower are needed For Every 20,000 production of food packs

- 1.1. Manpower:
 - DSWD NCR Staff - 2 staff per shift x2 shifts
 - Food Packers - 67 Volunteers per shift x3 shifts
 - Encoders, Loaders – 20 Volunteers per shift x3 shifts
 - PNP personnel – 2 staff per shift x2 shifts
- 1.2. Logistics
 - Computer with printer
 - Communication – two-way radio, mobile phone

- Transportation for staff – motorbike, bicycle
 - Transportation of relief – 2 trucks
4. Provision of the ff. manpower and logistics for distribution of relief goods per truck from packing hubs and Airports will be based from the pre-identified areas/ECs or upon instruction of the MMDRRMC Sub-EOC.
 - 1.1. Manpower
 - 1 driver per shift x2 shifts
 - 2 crew per shift x2 shifts
 - 1 PNP personnel per shift x2 shifts
 - 1.2. Logistics
 - Communication Equipment
 5. Relief from other DSWD Field Offices
 - 1.1. Standby Food Packs (50,000)/region from Region 1, 2, CAR, 5, 6 and 7 will be sent to Manila via C130 thru Clark Airport and Villamor Airbase
 - 1.2. Two DSWD-NCR staff and two PNP personnel will be deployed per shift at 2 shifts at Clark Airport and Villamor Airbase to receive and facilitate distribution of food packs to ECs.
 6. Management of Donations
 - 1.1. International
 - 1.2. Ready for distribution/ready to eat food
 - 1.3. Non-food items
 - 1.4. Goods for repacking

B. Camp Management

1. Deployment of DSWD-NCR disaster team to each identified ECs. Assignments of each team are the following:

EVACUATION CAMP	TEAM
<i>North Quadrant</i> Veterans Memorial Medical Center UP Diliman Grounds	Monday Team Tuesday Team
<i>East Quadrant</i> Marikina Boys Town Red Cross, Marikina Ultra, Pasig	Wednesday Team Thursday Team Friday Team
<i>West Quadrant</i> Intramuros Golf Course	Saturday Team
<i>South sector</i> Villamor Air Base Golf Course	Sunday Team

2. Each team will be working in 2 shifts with 12 hours duty per shift. The composition of each team are the following:

TEAM	COMPOSITION
Monday Team	<ul style="list-style-type: none"> • 1 team leader • 1 assistant team leader • 12 team members • 17 support group members • 5 medical and allied group members • 1 reporting officer from Planning unit • 31 members from Pantawid Pamilya

TEAM	COMPOSITION
Tuesday Team	<ul style="list-style-type: none"> • 1 team leader • 1 assistant team leader • 12 team members • 15 support group members • 6 medical and allied group members • 1 reporting officer from Planning unit • 31 members from Pantawid Pamilya
Wednesday Team	<ul style="list-style-type: none"> • 1 team leader • 1 assistant team leader • 9 team members • 15 support group members • 5 medical and allied group members • 1 reporting officer from Planning unit • 31 members from Pantawid Pamilya
Thursday Team	<ul style="list-style-type: none"> • 1 team leader • 1 assistant team leader • 11 team members • 16 support group members • 5 medical and allied group members • 1 reporting officer from Planning unit • 31 members from Pantawid Pamilya
Friday Team	<ul style="list-style-type: none"> • 1 team leader • 1 assistant team leader • 12 team members • 15 support group members • 6 medical and allied group members • 1 reporting officer from Planning unit • 31 members from Pantawid Pamilya
Saturday Team	<ul style="list-style-type: none"> • 1 team leader • 1 assistant team leader • 9 team members • 14 support group members • 6 medical and allied group members • 1 reporting officer from Planning unit • 31 members from Pantawid Pamilya
Sunday Team	<ul style="list-style-type: none"> • 1 team leader • 1 assistant team leader • 11 team members • 12 support group members • 4 medical and allied group members • 1 reporting officer from Planning unit • 31 members from Pantawid Pamilya
OPERATIONS	<ul style="list-style-type: none"> • 4 members

3. Roles and Functions of Disaster Action Teams and Disaster Focal Person

- Upon occurrences of disaster, all workers who are members of the Disaster Action Team are expected to report for duty on their scheduled day. However, the pool of Critical Incident Stress Debriefing (CISD) personnel and Medical Team are on call as the need arises for their service. During major disasters, the Regional Director may call other workers of NCR to augment.

A. Team Leaders/Frontline

- a. Conduct monitoring and rapid assessment of any emergency situations and disaster incidents.
- b. Submit immediate feedback to the Regional Director copy furnished the disaster focal person. Feedback reports should include observations on the on-going disaster operation of LGUs as basis for technical assistance to enhance implementation of Disaster Response and Management in the local level.
- c. Upon instruction of the Regional Director, provide immediate relief goods in coordination with the disaster action member and the focal person who shall recommend the goods to be given to the recipients based on assessment
- d. Submit disaster reports and undertake proper turnover for the next disaster action team group.
- e. Frequency of submission of reports:
 - i. Initial Report – within 6 hours upon occurrence of the disaster
 - ii. Update Report – every after 6 hours (time of reporting: 6:00 am – 2:00 pm – 10:00 pm)
 - iii. Terminal Report – submitted 5 working days after the termination of disaster operation/ services
- f. Reporting:
 - Weekdays and Weekends – reports addressed to DSWD-CO Disaster Risk Reduction and Response Operations Office (DRRROO) Director, thru DROMIC
- g. Signatories:
 - i. Regional Director
 - ii. Assistant Regional Director (For and in behalf of the Regional Director)
 - iii. Division Chiefs
 - iv. Disaster Focal Person
 - v. Team Leaders
- h. Disaster action team Base:
 - i. Daytime of weekdays – Operations Division, Disaster Response Section (DRS)
 - ii. Weekend and during night time – Crisis Intervention Unit (CIU)
 - iii. Reporting time – 8:00am until 8:00am of the following day

B. Team Members/Supports:

- a. Members (Social Workers / Admin Staff)
 - i. Ensure availability of stocks specifically 2000 family packs in the bodega at any given time;
 - ii. Monitor and facilitate releases of goods to LGUs and other intermediaries and concerned parties in coordination with the disaster focal person;
 - iii. Ensure proper recording and reporting of release of relief goods including balances of stockpile fund;
 - iv. Ensure that goods are still in good condition or fit for human consumption;
 - v. During massive goods distribution/ relief operation, coordinate with MMDA, OCD and other concerned agencies for transportation need;
 - vi. Submit monitoring report after conducting assessment or area visit during disaster operation; and
 - vii. Monitor other disaster related task per instruction of Disaster Team Leader/ Regional Director.

C. Focal Person (Disaster Response Section):

- a. Monitor disaster incidents through text, messaging, radio, news and telephone and log monitoring;
- b. Monitor attendance / functionality of disaster action team;
- c. Conduct RDANA;
- d. Assess, recommend and facilitate release of augmentation assistance to LGU;
- e. Ensure preparation and timely submission of disaster report to central office thru DROMIC and other requesting party;
- f. Coordinate with the Regional Director and Administrative Division for logistic support on disaster operation and other disaster related activities;
- g. Assess training needs and conduct training for members of disaster action team and intermediaries in coordination with capability building section;
- h. Oversee/man the Disaster Operation Center once activated;
- i. Undertake the Disaster – related task per instruction of the Regional Director; and
- j. Ensure updating of data from time to time in coordination with the Disaster Response Team, LGUs and other intermediaries.

D. Transport Group (Admin, Centers and Institution)

- a. Ensure availability / readiness of transportation service. Vehicle must be in good running condition with fuel;
- b. Ensure punctual reporting of assigned driver for the Disaster action team on duty and availability of other regional drivers to be mobilized during disaster operation;
- c. Monitor schedule of drivers on duty during disaster operation;
- d. Ensure proper handling and hauling of goods; and
- e. Ensure immediate transport of staff to disaster stricken areas;

E. Planning Unit

- Shall be responsible for setting up spot map indication and relevant information to include existing resources of the localities, Evacuation Centers, Vulnerable Population, Disaster Prone Areas etc. Likewise, shall serve as depository of all pertinent data and information on disaster as basis in the preparation of reports.

F. Standard Unit

- Shall be responsible for management of the volunteers, from brief orientation to their assigned task until deployment and monitoring of the volunteer's activities during disaster operation. Likewise, shall serve as focal person of the pool of volunteers.

G. CIU Staff on Duty

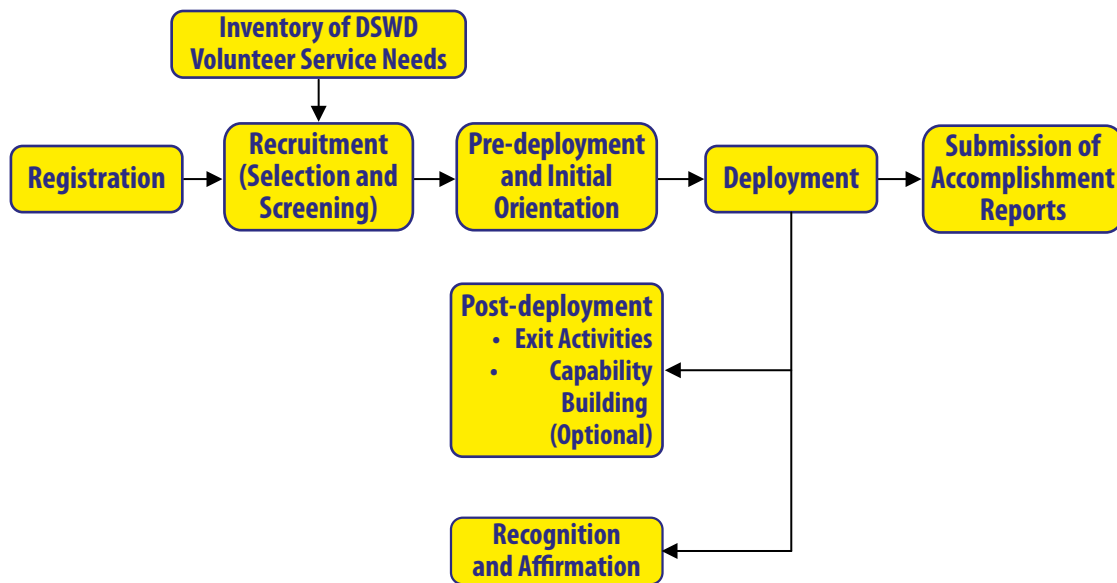
- Provide support to the Disaster action team in the conduct of disaster operation especially after 5:00 in the afternoon, weekends and during holidays.
- Monitor disaster incidents through text, messaging, radio, news and telephone and log monitoring.
- Assess, recommend and facilitate release of augmentation assistance to LGU;
- Ensure preparation and timely submission of disaster report to central office thru Project Management Bureau (PMB)/DROMIC and other requesting party;
- Submit monitoring report after conducting assessment or area visit during disaster operation; and
- Monitor other disaster related task per instruction of Disaster Team Leader/ Regional Director.

H. Medical/ Allied Team

- a. Staff on call as the need arises for their service.
- b. Monitor other disaster related task per instruction of Disaster Team Leader/ Regional Director
- c. All other issuances inconsistent therewith are considered revoked.

C. Volunteer Engagement Process (Details in Annex D)

- Implementing Guidelines
 - The following shall be the series of activities involved in the volunteer program implementation. The complete engagement process is attached as
 - In an emergency setting, the procedures for screening and selection may be temporarily waived and expedited by the Bayanihang Barangay Desk Office (BBDO) and the Regional Bayanihang Barangay Desk Offices (RBBDOs) and the following process will be followed. However, a filled-up registration form with waiver and orientation are mandatory.



1. Pre-deployment and Initial Orientation of Volunteers

The BBDO/RBBDOs, as focal person for the program shall conduct pre-deployment general orientation to qualified volunteers using the orientation module developed by Social Welfare Institutional Development Bureau (SWIDB) on areas such as;

- DSWD's Vision, Mission, Goals, Programs and services
- Orientation on volunteerism
- Specific office policies to be observed by the volunteers throughout the deployment period, e.g. wearing of I.D., nonsmoking and non-loitering inside DSWD premises, etc.
- Output required and specific work/services needed
- Duties and responsibilities of volunteers:
 - Perform the assigned tasks under supervision of DSWD Staff
 - Observe/respect DSWD's policies and procedures especially in relation to confidentiality of cases
 - Attend trainings, orientation, briefing and other capability building activities which will be provided by DSWD when needed
 - Attend regular meeting, consultations, dialogues and supervising conferences/sessions as need arises
 - Submit accomplishment reports in relation to volunteer Service
- The BBDO/RBBDOs shall prepare and facilitate the execution of MOA for group or corporate volunteers or Volunteer Services Overseas (VSO) detailing the terms of reference of volunteer work.
- Once deployment orientation is done and the necessary documents are submitted, BBDO/RBBDOs shall prepare the list of qualified volunteers ready for deployment and communicate/refer the same to concerned offices.

2. Deployment of Volunteers

- a. At the CO level, BBDO shall recommend to the concerned OBSUs needing volunteer service all qualified volunteers ready for deployment. Same task is expected from the RBBDOs at the Field Office once there are screened volunteers ready for deployment to the concerned units of the office.
- b. The volunteer shall prepare a work plan in collaboration and agreement with his/her supervisor. The duration of volunteer work shall be based upon the mutually agreed work plan between the volunteer and his/her supervisor.
- c. The BBDO/RBBDOs shall provide temporary identification cards to all volunteers. The name of the volunteer, duration of volunteer work and area of deployment must be indicated in the ID. The ID must be returned to BBDO/RBBDOs when the volunteer leaves the program.
- d. At the CO, the head of OBSUs shall act as the supervisor and shall designate a staff who will act as the immediate supervisor of volunteers. At the FO, the Social Welfare and Development (SWAD) Team Leader or Center Heads and Personnel Unit Head shall act as the supervisor and may designate a staff who will act as the immediate supervisor of volunteers. Both the supervisor and the assigned immediate supervisor assume full responsibility for volunteers even in times of disaster operations. The supervisor and the immediate supervisor are responsible for the following:
 - i. Conduct of onsite or office-based orientation specific to the programs and services;
 - ii. Impose measures for the security of volunteers, center/institution residents and the Department;
 - iii. Provide training and/or actual demonstration of work whenever necessary;
 - iv. Ensure the work area of the volunteers is provided with the necessary logistical support, etc e.g., tables, chairs, and water dispenser especially if there is a big group of volunteers;
 - v. Monitoring of attendance and tracking of hours and service rendered
 - vi. Tracking of volunteers' work accomplishment in compliance with the submitted work plan; Evaluation of volunteers' actual work condition in compliance with the volunteers' terms of reference;
 - vii. Re-planning if necessary.
 - viii. Refer to BBDO or RBBDO to facilitate the redress of grievance of volunteers as well as grievance of client beneficiaries against volunteers, if any.

3. Post-deployment of Volunteers

- a. The BBDO/RBBDOs, as focal person for the program shall ensure the following:
 - i. Facilitate the redress of grievance of volunteers as well as grievance of client-beneficiaries against volunteers, if any, and refer grievance to the NBBMC/RBBMC Chairperson, if necessary;
 - ii. Conduct post-deployment exit activities such as interviews, debriefing or reflection sessions to all deployed volunteers in order to ensure that volunteers were debriefed and pertinent post evaluation engagement has been conducted. Debriefing sessions will process and thresh out issues encountered in the course of deployment of a volunteer.
 - iii. For continuing volunteers, capability-building activities may be provided by BBDO/RBBDOs in order to upgrade the volunteers' knowledge, attitude and skills on specific area/topic.

4. Reporting

- a. The volunteer shall submit accomplishment report using Volunteer Accomplishment Report template to be submitted to his/her supervisor based on agreed timelines. The volunteer accomplishment reports as well as the attendance sheets shall serve as the bases for OBSUs and units/centers/institutions in their preparation and submission of reports to BBDO and RBBDOs, respectively.
- b. A semestral report shall be submitted by the different Offices/Bureaus/Services/Units (OBSU) to the BBDO at the CO, and by the different units/centers/institutions

to the RBBDOs at the FOs. The report shall include both narrative and statistical accomplishments following the templates. This shall be collected on the 10th day of the last month of the covered semester. The RBBDOs shall submit reports to SWIDB every 30th of June and November of the year. The received reports shall be the basis for SWIDB on coming up with a national accomplishment report on the program for the management and to be submitted to PNVSCA.



DSWD-NCR Relief Packs distribution during the Metro Manila Shake Drill on July 30, 2015

4.6. Engineering, Reconstruction and Rehabilitation

SCENARIO:

- Extensive damage of the following
 - Major roads
 - Bridges
 - Old buildings
 - Communication towers
 - Electric towers and poles
 - Water lines/ pipes
 - Railways

OBJECTIVES:

- Predicated upon the given scenario of a 7.2 magnitude earthquake, this sector has the following objectives:
 - To clear debris, obstructions and restore vital access roads and bridges
 - To conduct rapid damage assessment and needs analysis
 - To assist in the restoration of vital lifelines (e.g. power supply, communication, and water supply)
 - To assist DILG in coordination with Manila Electric Company (MERALCO) and MWSS in providing temporary electricity, water supply and other basic necessities that would require engineering in evacuation camps and MMDRRMC EOCs.
 - To assist in providing the Search and Rescue Sector additional equipment for search and rescue operations.
 - To assist in the establishment and maintenance of evacuation camps.
 - To reconstruct/rehabilitate damaged structures and facilities

LEAD AGENCY: Department of Public Works and Highways (DPWH)

DEPUTY: Department of Public Works and Highways – National Capital Region (DPWH-NCR)

COOPERATING AGENCIES:

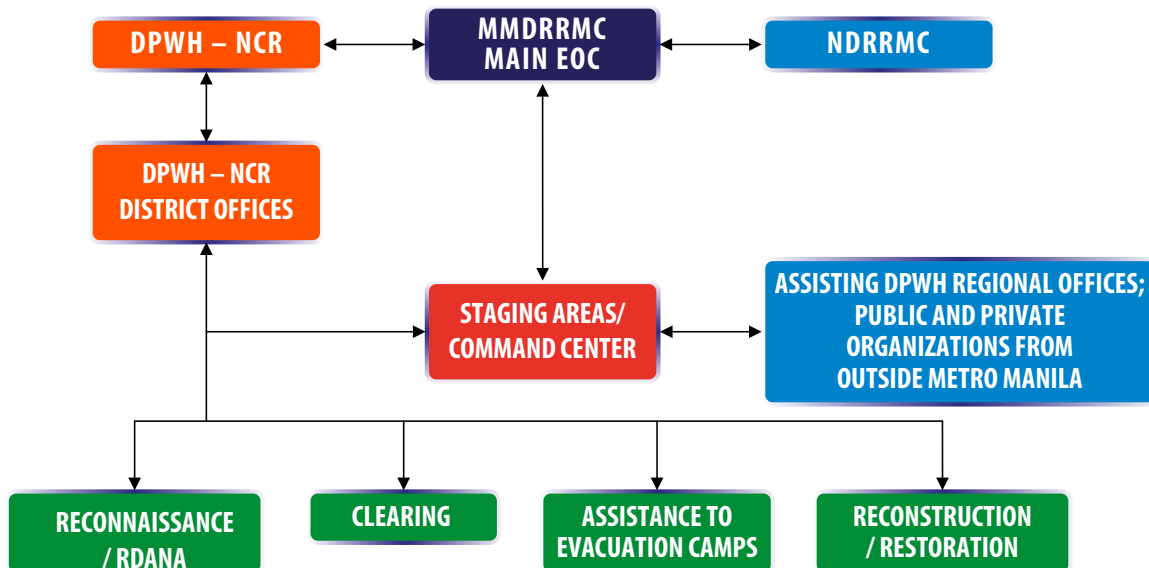
AGENCY/ GROUP	TASK/ RESPONSIBILITY
DPWH Regions I, II, CAR, V, VI, etc.	Deployment of manpower and equipment augmentation to various DPWH tasks.
Metropolitan Manila Development Authority (MMDA)	Deployment of search and rescue teams to clearing operations that can also conduct first aid treatment to extricated victims and members of the team.
Armed Forces of the Philippines (AFP-Engineering Brigade)	Deployment for search and rescue and support equipment including manpower for clearing operations.
Philippine Institute of Civil Engineers (PICE)	Deployment of manpower for technical support in the assessment of infrastructure.
Association of Structural Engineers of the Philippines (ASEP)	Deployment of manpower for technical support in the assessment of infrastructure.
Philippine Coast Guard (PCG)	Deployment of watercraft and floating equipment with manpower in clearing waterways and connecting/linking damaged bridges, particularly along Pasig River.

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AGENCY/ GROUP	TASK/ RESPONSIBILITY
Local Government Units (LGUs)	Deployment for search and rescue and support equipment including manpower for clearing operations.
Philippine Navy (PN)	Restoration of bridges and search and rescue.
Association of Carriers and Equipment Lessors Inc. (ACEL)	Support in providing heavy equipment for clearing and construction.
Philippine National Police-National Capital Region (PNP-NCRPO)	Security during clearing operations.
Department of Energy (DOE)	Assist in replenishing Fuel and fuel needs.
Association of Petroleum Owners/ suppliers	Replenishment of petroleum to identified refilling stations along Pasig River and major roads.
National Economic Development Authority (NEDA)	Costing of rehabilitation needs.
National Housing Authority (NHA)	Rehabilitation/provision of temporary shelter of affected evacuees.
MERALCO	Assist in repairing electric posts and augmentation of heavy equipment.
MWSS	Assist in repairing water lines.

FLOW OF OPERATIONS:



STANDARD OPERATING PROCEDURE:

A. Reconnaissance and Rapid Damage and Needs Assessment (RDANA)

- Immediately right after an earthquake, the DPWH-NCR District offices will deploy teams to conduct reconnaissance. Each team is composed of two (2) personnel with the following logistics:
 - One (1) motorcycle or two (2) bicycles;
 - One (1) handheld radio;
 - One (1) digital camera or mobile phone with camera.
- Initial action of each team is to visually inspect which roads are passable and which need clearing.
 - Prioritization for clearing are the following:
 1. Less debris to be cleared; and,
 2. Stability of remaining structures.
- Assignment of area of reconnaissance for each DPWH-NCR District Office are the following:

DPWH DISTRICT ENGINEERING OFFICE	TEAMS	AREAS OF RECONNAISSANCE
North Quadrant		
Quezon City First DEO (QCFDEO)	Team A	<ul style="list-style-type: none"> • Congressional Avenue • Mindanao Avenue
	Team B	<ul style="list-style-type: none"> • EDSA from Balintawak to North Avenue • North Avenue • Elliptical Road • A. Bonifacio
	Team C	<ul style="list-style-type: none"> • Bonifacio Avenue • Araneta Avenue • Del Monte Avenue • Quirino Highway • Sgt. Rivera Street
	Team D	<ul style="list-style-type: none"> • Commonwealth Avenue
Quezon City Second DEO (QCSDEO)	Team A	<ul style="list-style-type: none"> • C-5 Road to UP
	Team B	<ul style="list-style-type: none"> • Quezon Avenue • Araneta Avenue
	Team C	<ul style="list-style-type: none"> • E. Rodriguez, Sr. Avenue
	Team D	<ul style="list-style-type: none"> • Aurora blvd • EDSA
Metro Manila Third District Engineering Office (MMIIDEO)	Team A	<ul style="list-style-type: none"> • Samson Road to boundary of C-4 Road • Mac Arthur Highway • Maysan Road • Rizal Avenue Extension
Malabon-Navotas District Engineering Office (M-NDEO)	Team A	<ul style="list-style-type: none"> • C-3 Road • C-4 Road • Malara River to C-4 Road • R-10 Road to Bangkulasi Cutoff

DPWH DISTRICT ENGINEERING OFFICE	TEAMS	AREAS OF RECONNAISSANCE
<i>East Quadrant</i>		
Metro Manila First District Engineering Office (MMIDEO)	Team A	<ul style="list-style-type: none"> Sumulong Highway Marcos Highway
	Team B	<ul style="list-style-type: none"> Katipunan Avenue
	Team C	<ul style="list-style-type: none"> C-5 Road boundary of Makati and Taguig to Quezon City
	Team D	<ul style="list-style-type: none"> Ortigas Avenue
	Team E	<ul style="list-style-type: none"> Shaw Boulevard
<i>West Quadrant</i>		
North Manila District Engineering Office (NMDEO)	Team A	<ul style="list-style-type: none"> Dimasalang Street España Boulevard A. Maceda Street R-10 Road
	Team B	<ul style="list-style-type: none"> Lacson Avenue R. Magsaysay Boulevard CM Recto Avenue Aurora Boulevard Rizal Avenue
<i>South Quadrant</i>		
South Manila District Engineering Office (SMDEO)	Team A	<ul style="list-style-type: none"> Taft Avenue Quirino Avenue
	Team B	<ul style="list-style-type: none"> Roxas Boulevard Osmeña Highway
Metro Manila Second District Engineering Office (MMIIDEO)	Team A	<ul style="list-style-type: none"> East Service Road Roxas Boulevard
	Team B	<ul style="list-style-type: none"> McKinley Road Airport Road
	Team C	<ul style="list-style-type: none"> C-5 Road (from Makati to South Super Highway)
Las-Piñas Muntinlupa District Engineering Office (LPMDEO)	Team A	<ul style="list-style-type: none"> West Service Road
	Team B	<ul style="list-style-type: none"> Zapote-Alabang Road

- After the initial reconnaissance the same teams will conduct RDANA. This will also determine the actual cost of damages and rehabilitation to be submitted to National Economic and Development Authority (NEDA).
- Assessment of Structural Soundness of various structures.
 - This is performed in order to determine the structural stability of various structures and infrastructures affected by the earthquake.

B. Establishment of Command Centers and Staging Areas

- A command center will be immediately established at a strategic location at the entry point from North and South Luzon Express Ways. The command center will monitor progress and needs

of the clearing operations. They will also be responsible in assigning the assisting agencies for various DPWH-NCR operations. All updates and actions taken will be reported to the MMDRRMC Main EOC, DPWH – NCR. DPWH – NCR then furnishes the copy to DPWH – Central Office.

- The staging areas, located in various locations, shall serve as initial entry points toward NCR of assisting agencies from other regions. Assisting agencies may consist of DPWH Regional Offices, volunteer and/or private organizations. As more roads toward the center of Metro Manila are cleared, the staging areas shall also be moved.
- The list of identified location of command center and staging areas are the following:

COMMAND CENTER	STAGING AREAS	ENTRY POINTS OF ASSISTING DPWH REGIONAL OFFICES
North		
Balintawak Cloverleaf	<ol style="list-style-type: none"> 1. Eternal Gardens Memorial Park Corp., Balintawak 2. G. Araneta University (Pangako Street Balintawak) 3. Bagong Pag-Asa, Quezon City 4. Vacant Lot along A. Bonifacio Avenue 5. NLEX Mindanao Area 6. Vacant Lot along Mindanao Avenue 	Region 2: Balintawak Cloverleaf towards A. Bonifacio DPWH CAR: Balintawak Cloverleaf towards A. Bonifacio DPWH Region 1: Mindanao Avenue Alternate entry points: <ul style="list-style-type: none"> • Malinta • Bocaue, Marilao, Meycauayan- • Commonwealth • Mc Arthur – Valenzuela
South		
Alabang Flyover	<ol style="list-style-type: none"> 1. Santo Niño De Cebu Parish Church, Alabang 2. Manila Memorial Park, Sucat, Parañaque 3. Libingan ng mga Bayani, West Bicutan, C-5 Road 4. Heritage Memorial Park, C.P. Garcia, C-5 Road 5. Villamor Airbase, Taguig City 	<ul style="list-style-type: none"> • Osmena • Alabang-Muntinlupa • Sucat • C-5 – Libingan ng mga Bayani • Villamor –Sales • EDSA • C-6

C. Clearing Operations

- Clearing operations will only commence after the area have been cleared by the search and rescue team of the MMDA. MMDA should ensure that there are no trapped victims in the area to be cleared.
- Priority areas/roads to be cleared are the following:

DPWH-NCR DISTRICT OFFICE	TEAM ASSIGNED	ROAD/ AREA
North Area		
MMIIDEO	Team 1	Mc. Arthur Highway
	Team 2	EDSA Monumento To Balintawak
QCFDEO	Team 1	Mindanao Avenue
	Team 2	Balintawak
QCSDEO	Team 1	EDSA
	Team 2	A. Bonifacio Avenue

DPWH-NCR DISTRICT OFFICE	TEAM ASSIGNED	ROAD/ AREA
North Area		
NMDEO	Team 1	España Boulevard
	Team 2	Quirino Avenue
M-NDEO	Team 1 and 2	Samson Road – Monumento to Malabon and Navotas City proper
DPWH - NCR		Araneta Ave
South Area		
SMDEO	Team 1	Roxas Boulevard
	Team 2	Osmeña Highway – Magallanes to Quirino
MMIIDEO	Team 1	East Service Road
LPMDEO	Team 1	West Service Road
MMIDEO	Team 1	EDSA– Magallanes, Pasay and Makati
	Team 2	C-5 Road – SLEX to Taguig and Pateros

- Other areas for clearing in the North and South Area are the following:
- **North Area**
 - a. Congressional Ave
 - b. North Avenue
 - c. Elliptical Road
 - d. Sumulong Highway
 - e. Marcos Highway
 - f. Katipunan Avenue
 - g. Commonwealth Avenue
 - h. C-5 Road
 - i. C-3 Road
 - j. C-4 Road
 - k. R-10 Road
 - l. Del Monte Avenue
 - m. Dimasalang
 - n. Quezon Avenue
 - o. A. Maceda St.
 - p. Taft Avenue
- **South Area**
 - a. Ortigas Avenue
 - b. Shaw Boulevard
 - c. Mc-Kinley Road
 - d. C-6 Road
 - e. Zapote- Alabang Road
 - f. And other National Roads

- Each team for clearing operations shall be composed of the following equipment and manpower:

EQUIPMENT	MANPOWER/shift at 2 shifts per day	Personal Protective Equipment
Backhoe with Concrete breaker and bucket	2 (rigger and operator)	Each member of the team should have the following PPEs: <ul style="list-style-type: none"> • Reflectorized life vest; • Hard hat; • Rain coat; • Boots, • Flashlight • Emergency tool kit
Payloader	2 (rigger and operator)	
Dump Truck	2 (rigger and operator)	
Generator (25 kva)	1	
Gas detector	Same as the operator of the generator	
Bulldozers	2 (rigger and operator)	
Cutting outfit	1	
Cargo truck	2 (rigger and operator)	
Gang member (labor)	10	
Search and Rescue	5 from MMDA	
Security	2 from PNP	

D. Assistance in the Establishment and Maintenance of Evacuation Camps and Sub-EOC

- Deploy teams to assist in the establishment and maintenance of the 8 identified evacuation camps. The team deployed should ensure that there is electricity and water inside the camps. They will also assist in setting up tents and other temporary structures needed in the evacuation camps.
- Each team deployed will consist of 5 personnel with the following tools and equipment:
 - Handheld radio
 - Electric tools
 - Repair tools

MMDRRMC EOC	EVACUATION CAMP
North Quadrant	
Veterans Memorial Medical Center	<ul style="list-style-type: none"> • Veterans Memorial Medical Center • UP Diliman Grounds
East Quadrant	
LRT 2 Santolan Station Depot	<ul style="list-style-type: none"> • Red Cross, Marikina • Marikina Boys Town • Ultra, Pasig
West Quadrant	
Intramuros Golf Course	Intramuros Golf Course
South Sector	
Villamor Air Base Golf Course, Pasay	Villamor Air Base Golf Course

E. Rehabilitation and Reconstruction/Restoration

- The final activity for the DPWH is the Rehabilitation and Reconstruction/Restoration, which shall be based upon the Post Damage Assessment and Needs Analysis PDANA.
- As needed, activate MOA with private construction companies.

F. Monitoring and Reporting

- All actions, decisions and updates on the ground will be monitored and reported based on DPWH-NCR's Disaster Risk Reduction and Management Team (DRRMT) structure. Duties and responsibilities at different levels are included in the POLICIES section of this plan.

POLICIES:

- Modernize existing equipment fleet and conduct seminars and lectures in Disaster Preparedness Management to equipment operators (road clearing equipment).
- Conduct quarterly drills on Disaster Preparedness Management
- Conduct workshops and trainings for equipment operators on how to cope up with situations, during disasters.
- Annual Inspection of vital infrastructures, which include, bridges, under and overpass, roads, etc.
- Regular updating of inventory of existing equipment of support agencies.
- Regular updating of directory of support agencies.
- Stockpiling/warehousing of logistics, such as fuel, oil, tools and other needs.
- Provision of adequate protective gears to rescuers including food, temporary shelters, potable water.
- Execute Memorandum of Understanding to private contractors and equipment lessors for the utilization of their equipment and manpower during disaster
- Reporting, monitoring and evaluation within the DPWH-NCR shall follow its policy and guideline. (Annex E)

4.7. Transportation

SCENARIO:

- The intensity VIII earthquake caused damages in roads, airports and seaports and broken railways.
- The following may need transportation to specific destinations:
 - Residents outside Metro Manila;
 - Relief/medical goods from other regions;
 - Relief/medical goods from to evacuation camps and emergency field hospitals;
 - Rescue personnel and equipment from other regions;

OBJECTIVE:

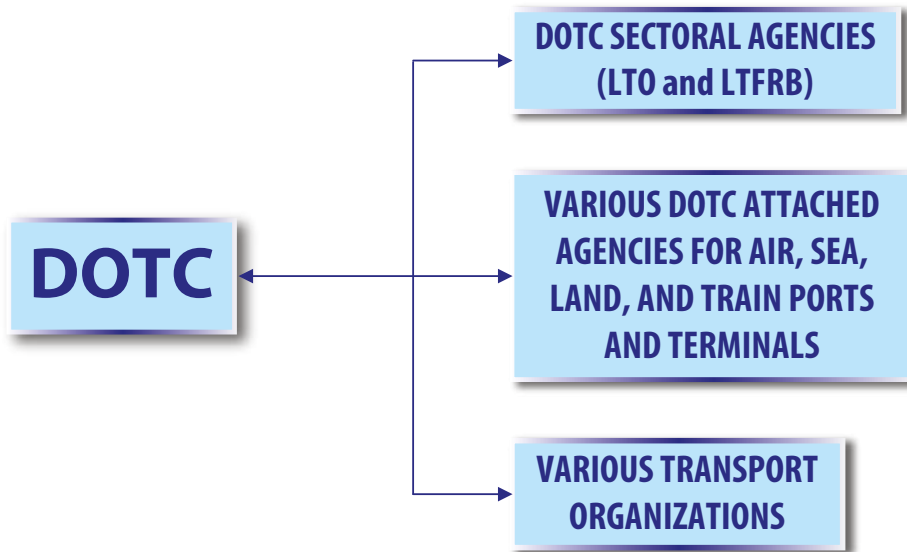
- To monitor the immediate repair/restoration of damaged air, sea and railway transportation terminals and ports.
- Facilitate provision of various transportation needs of the different sectors.

LEAD AGENCY: Department of Transportation and Communication (DOTC)

COOPERATING AGENCIES:

AGENCY/ GROUP	TASK/ RESPONSIBILITY
Metropolitan Manila Development Authority (MMDA)	Lead in prioritizing and identification of deployment of transportation needs of response sectors.
DSWD, DOH, DILG and Other Response Sectors	Coordinate transportation needs.
<ul style="list-style-type: none"> • Land Transportation Franchising and Regulatory Board (LTFRB) • Land Transportation Office (LTO) 	Provide manpower to the identified MMDRRMC EOCs.
<ul style="list-style-type: none"> • Department of Agriculture • Philippine Coastal Corporation • Department of Energy • Marina • Philippine Coast Guard • Private/Non-government transport companies/services • Board of Airline Representatives of the Philippines; • Philippine Airlines; • Cebu Pacific Air; • Air Asia Philippines; • Association of International Shipping Lines, Inc.; • Philippine Liner Shipping Association; • International Container Terminal Services, Inc.; • Confederation of Truckers Association of the Philippines; • Integrated North Harbor Truckers Association; • Provincial Bus Operators Association of the Philippines; • Southern Luzon Bus Operators Association, Inc.; • Inter-City Bus Operators Association; • Integrated Metropolitan Bus Operators Association; • Federation of Filipino Chinese Chambers of Commerce and Industry, Inc.; and • Lina Group of Companies (i.e. Air21, Cargohaus). 	Provide augmentation for transportation needs of response sectors.

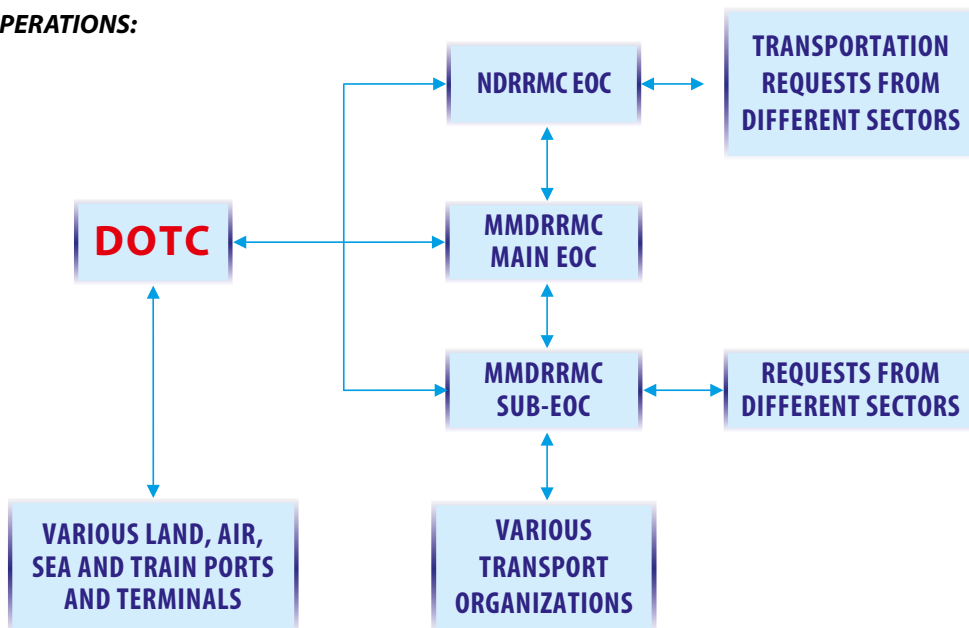
INITIAL FLOW OF COORDINATION:



STANDARD OPERATING PROCEDURE:

- Right after the strong earthquake, DOTC will coordinate with the following:
 - Member agencies of the Transportation Sector to know the status and condition of various transportation services and assets;
 - DOTC attached agencies to ensure deployment of representatives at the MMDRRMC Sub-EOC, as necessary;
 - Various transport organizations to know status of transportation assistance capability.

FLOW OF OPERATIONS:



STANDARD OPERATING PROCEDURE:

A. REPAIR/ RESTORATION OF DAMAGED PORTS, TERMINALS, RAILWAYS:

- DOTC, through its attached agencies, shall monitor the status of the repair/restoration of damaged seaports, airports, terminals and railways under their respective areas of jurisdiction.

TRANSPORTATION FACILITY	RESPONSIBLE AGENCY
Airport	<ul style="list-style-type: none"> • Manila International Airport Authority (MIAA) • Clark International Airport Corporation (CIAC) • Mactan-Cebu International Airport Authority (MCIAA) • Civil Aviation Authority of the Philippines (CAAP)
Railways	<ul style="list-style-type: none"> • Philippine National Railways (PNR) • Light Rail Transit Authority (LRTA) • Metro Rail Transit (MRT)
Sea/ Maritime	<ul style="list-style-type: none"> • PPA • Cebu Ports Authority (CPA)

- DOTC should update MMDRRMC Main EOC for the progress of restoration/repair and resumption of operations of each port, terminal and railway.

B. OPERATIONS CENTERS

- DOTC will send representatives to the following EOC:

EMERGENCY OPERATIONS CENTER	DOTC and DOTC Sectoral Agency
National Disaster Risk Reduction and Management Council (NDRRMC) EOC Camp Aguinaldo, Quezon City	DOTC
Metro Manila Disaster Risk Reduction and Management Council (MMDRRC) Main EOC <i>1st Option:</i> MMDA, Orense St., Makati City <i>2nd Option:</i> AFP JTF NCR Compound, near gate 6, Camp Aguinaldo, Quezon City <i>3rd Option:</i> PNP NCRPO HQ, Camp Bagong Diwa, Bicutan, Taguig	DOTC
MMDRRMC Sub-EOC North Quadrant Veterans Memorial Medical Center, Quezon City	DOTC attached agencies
MMDRRMC Sub-EOC East Quadrant LRT 2 Santolan Station Depot, Santolan, Pasig City	DOTC attached agencies
MMDRRMC Sub-EOC West Quadrant Intramuros Golf Course, Manila	DOTC attached agencies
MMDRRMC Sub-EOC South Quadrant Villamor Air Base Golf Course, Pasay City	DOTC attached agencies

- **The DOTC representative at each EOC should have the following:**
 - List/inventory of all transportation vehicle that may be used/rented during the operations. The list may be classified based on its location based on the four (4) quadrants identified in this contingency plan;
 - Communications equipment, as provided by the MMDRRMC/NDRRMC, to coordinate with agencies that could provide transportation to various sectors.
- **The DOTC representative's responsibility at each EOC are the following:**
 - NDRRMC EOC
 - ❑ Furnish the IC a copy of the list/inventory.
 - ❑ Will be responsible in coordinating transportation requests to organizations outside Metro Manila through their attached agencies.
 - ❑ Receive reports from the DOTC representative at the MMDRRMC Main EOC and submit it to the Incident Commander.
 - MMDRRMC Main EOC
 - ❑ Receive and collate reports from the DOTC representative at the MMDRRMC Sub-EOC and submit it to the Incident Commander and to the DOTC representative at the NDRRMC.
 - ❑ Coordinate with DOTC representative at NDRRMC EOC of transportation requests that cannot be provided by the different transportation agencies within Metro Manila.
 - MMDRRMC Sub-EOC
 - ❑ Furnish DOTC representative and IC of updates and reports regarding transportation deployment.
 - ❑ Coordinate with DOTC representative at MMDRRMC Main EOC of transportation requests that cannot be provided by the different transportation agencies within the quadrant.

C. TRANSPORTATION REQUESTS DEPLOYMENT PROCESS

- a. Transportation requests will be received by the IC at each EOC.
- b. Each request will be matched to the list/inventory by the DOTC representative.
- c. If there is an available vehicle for the said request/s, the IC will give the command to deploy the said vehicle to the requesting party.
- d. Approved requests will be coordinated by the DOTC representative with the transportation provider and the requesting party.
- e. The representative shall monitor the deployed transportation and regularly update the IC of status and other available vehicles. He/she will also furnish the DOTC of the reports.
- f. If possible, request security for any vehicles/vessels transporting goods, equipment, personnel, etc., from PNP-NCRPO.

POLICIES:

- Create and regularly update a centralized inventory of available transportation assets of government agencies and private sectors that may be deployed during and after disasters.
- The inventory shall also be classified based on its location corresponding to the quadrants identified in this contingency plan.
- DOTC shall identify its representatives/personnel/units that will be deployed/ activated during disaster response and submit their pertinent contact details to the four (4) sub-emergency operations centers for quicker communication with the command and control sector headed by the MMDA.
- Member agencies shall designate representatives/personnel that the DOTC will coordinate with for the completion and periodic updating of the said inventory.
- The list of transportation assets must include, among others, the type of vehicle/vessel/aircraft (model/brand) and its registration details (plate number/registration number), the owner/operator's contact details, the current location of the vehicle, and the vehicle remarks/status (e.g. available for deployment/in-use by owner/non-operational/under repair) for expeditious matching of transportation needs.
- The MMDRRMC, through the MMDA, shall enter into an MOA/MOU with commercial trucking/bus/shipping/airline/cargo handling companies to make available their services for or to prioritize the

- government's transportation needs during disasters/emergencies/declared national calamities.
- The MOAs/MOUs will include a list of (discounted) fees/charges/rates, to be updated periodically, for the said services.
 - The DOTC, with the Civil Aeronautics Board (CAB), the Civil Aviation Authority of the Philippines (CAAP), the Maritime Industry Authority (MARINA), the PPA, the Cebu Port Authority (CPA), and the LTFRB, will assist concerned government entities/agencies that might opt to enter into agreements with trucking/bus/shipping/airline/cargo handling companies.
 - Payment for services rendered by the hired transportation providers shall be shouldered by the requesting government agency.

4.8. Medical, Nutrition, Water, Sanitation and Hygiene (WASH), and Mental Health and Psychosocial Services (MHPSS)

SCENARIO:

- Deaths: 31,228
- Life Threatening Injuries: 13,751
- Serious Injuries: 112,426
- Slight Injuries: 385,545
- Evacuation Camps: 7
- Emergency Field Hospitals: 7

GENERAL OBJECTIVE:

- To decrease the morbidity and mortality related to earthquake.

Specific Objective:

- To provide immediate medical and nutritional assessment, treatment and or referrals of earthquake victims.
- To provide proper Water Sanitation to include Waste Management and Hygiene in the Evacuation Centers and Health Facilities.
- To provide appropriate mental and psychosocial services to victims and as well as to the responders.
- To provide and conduct effective and efficient management of the dead and the injured.
- To provide logistical augmentation to NCR Government Hospitals.
- To conduct RDANA/ Surveillance in Post Extreme Emergencies and Disasters (SPEED) to the impacted areas.

LEAD AGENCY: Department of Health (DOH)

DEPUTY: Department of Health National Capital Region Office (DOH-NCRO)

COOPERATING AGENCIES:

AGENCY/ GROUP	TASK/ RESPONSIBILITY
<ul style="list-style-type: none"> • Department of Health Central Office (DOH-CO) • Department of Health Regional Offices • Department of Health Retained Hospitals • Other Government Health Facilities (NCR and nearby regions) 	<p>Provide manpower and equipment augmentation to the identified MMDRRC EOCs, Evacuation Camps and Emergency Field Hospitals.</p>
<ul style="list-style-type: none"> • Local Government Units <ul style="list-style-type: none"> • Local Health Offices • CSWD/MSWDOs, • DRRMOs, 	<p>Responsible in managing health concerns within their AOR and coordinate needed Health Assistance/ Support</p>
<ul style="list-style-type: none"> • National Bureau of Investigation (NBI) • Philippine National Police (PNP) 	<p>Lead in identifying dead bodies and missing persons</p>
<ul style="list-style-type: none"> • Private Health Facilities • Development Partners and Organizations <ul style="list-style-type: none"> ▪ Local – Philippine Medical Association (PMA), Philippine Nurses Association (PNA), Philippine Dental Association (PDA), other Health and Allied Professional Organizations, etc. ▪ International - United Nations Children’s Fund (UNICEF), United States Agency For International Development (USAID), Australian Aid Program (AUSAID), etc. 	<p>Provide manpower and equipment augmentation to the identified MMDRRC EOCs, Evacuation Camps and Emergency Field Hospitals.</p>

- The matrix shows the point of coordination/integration of DOH services with its support agencies:

DOH ROLES in MEDICAL/ CLINICAL/ TRAUMA HEALTH SERVICES
DOH ROLES IN PUBLIC HEALTH SERVICES

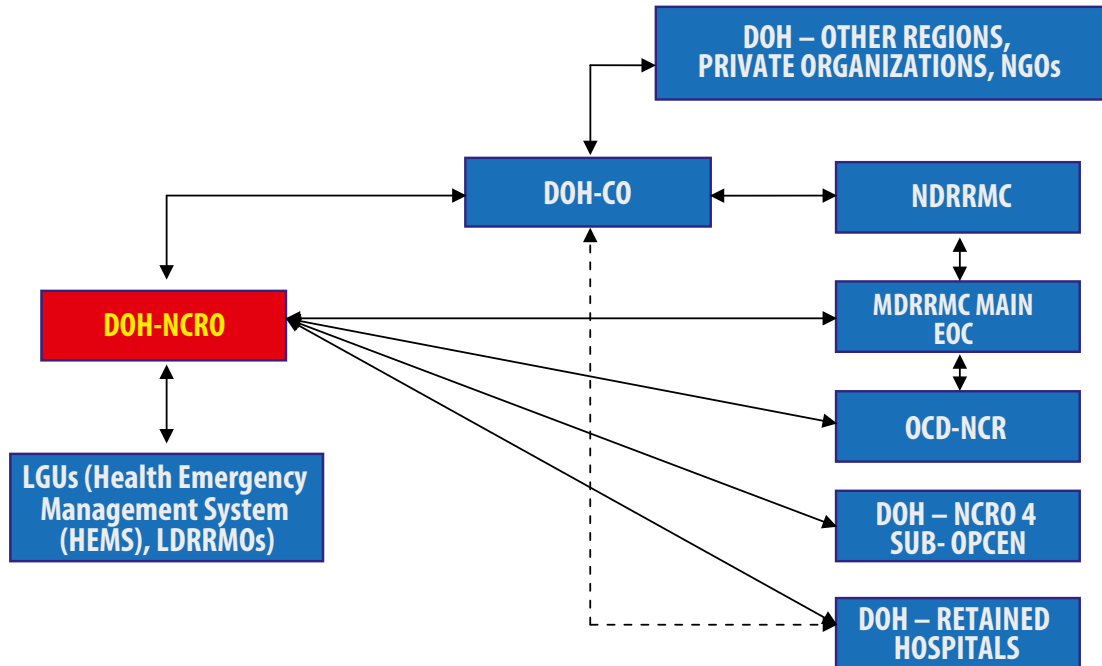
Health Service Areas	Health Services	Point of Coordination/ Integration with Other Agencies
Medical & Trauma Cases needing immediate care	<ul style="list-style-type: none"> • Trauma/Medical Team • Provision of Field Hospitals when needed • Blood Programs 	<ul style="list-style-type: none"> • Coordination/ referral with private/LGU/DOH retained Hospitals

DOH ROLES IN PUBLIC HEALTH SERVICES

Health Service Areas	Health Services	Point of Coordination/ Integration with Other Agencies
Water Ensure safety and adequacy of water supply	<ul style="list-style-type: none"> • Water analysis • Water Treatment (disinfection/ purifications) • Technical Assistance • Health Education-waste segregation & disposal 	<ul style="list-style-type: none"> • Coordination/ referral with private/ LGU/DOH retained Hospitals
Management of the Mass Dead & Missing Person	<ul style="list-style-type: none"> • Disinfection of sites & vector control • Psychosocial Services to the Bereaved Families • Issuance of Medical Certificates • Sanitation Guidelines on Mass Burial 	<ul style="list-style-type: none"> • Coordination for Mass Burial with DILG/ LGU • Coordination with DSWD for missing persons • Coordination with NBI/ PNP for unidentified dead human bodies
Immunization	<ul style="list-style-type: none"> • Provide technical standards, augmentation of human/logistics • Refer to protocols on NEC & Center on Communicable Prevention & Control • Cold chain (LGU) • Actual immunization & reporting (LGU) • Requisition of vaccines & reporting. 	<ul style="list-style-type: none"> • Cold chain (LGU) • Actual immunization & reporting (LGU) • Requisition of vaccines & reporting.
Food and Micronutrients Ensure that at least the minimum nutritional requirement for food is met (a full ration can flow).	<ul style="list-style-type: none"> • Provide standards on nutritious food and food supplements. • Assess nutritional status (mid-upper arm circumference; vital statistics) • Provide micronutrients supplementation (Protocol for Vit. A) 	<ul style="list-style-type: none"> • With Department of Social Welfare and Development and LGU Social Services • Set up special feeding programs if there are clear indications of malnutrition. • Coordinate with National Nutrition Council (NNC)
Reproductive Health	<ul style="list-style-type: none"> • Provide technical assistance for services on safe sex, responsible parenthood. 	<ul style="list-style-type: none"> • Violence against women and children, men (in coordination with DSWD)
Management of Non-communicable Diseases	<ul style="list-style-type: none"> • Provide management, drugs, equipment and supplies: hypertension, diabetes 	<ul style="list-style-type: none"> • Referrals for logistic assistance
Psychosocial Services	<ul style="list-style-type: none"> • Mental health and psychosocial support 	<ul style="list-style-type: none"> • Consultation with psychiatrist/ psychologist and Social Welfare services.
Pregnant and breastfeeding women	<ul style="list-style-type: none"> • To be separated in the evacuation center • With breastfeeding corner • General health or well being 	<ul style="list-style-type: none"> • Local Health (doctors, nutritionist, etc) • CSWD / DSWD
Newborn and 1 – 5 yo children	<ul style="list-style-type: none"> • Follow milk code • Exclusive breastfeeding • No milk formula donation /acceptance • Immunization 	<ul style="list-style-type: none"> • Local Health (doctors, nurses, nutritionist, midwives, Barangay Health Workers (BHW), etc) • CSWD / DSWD • NNC

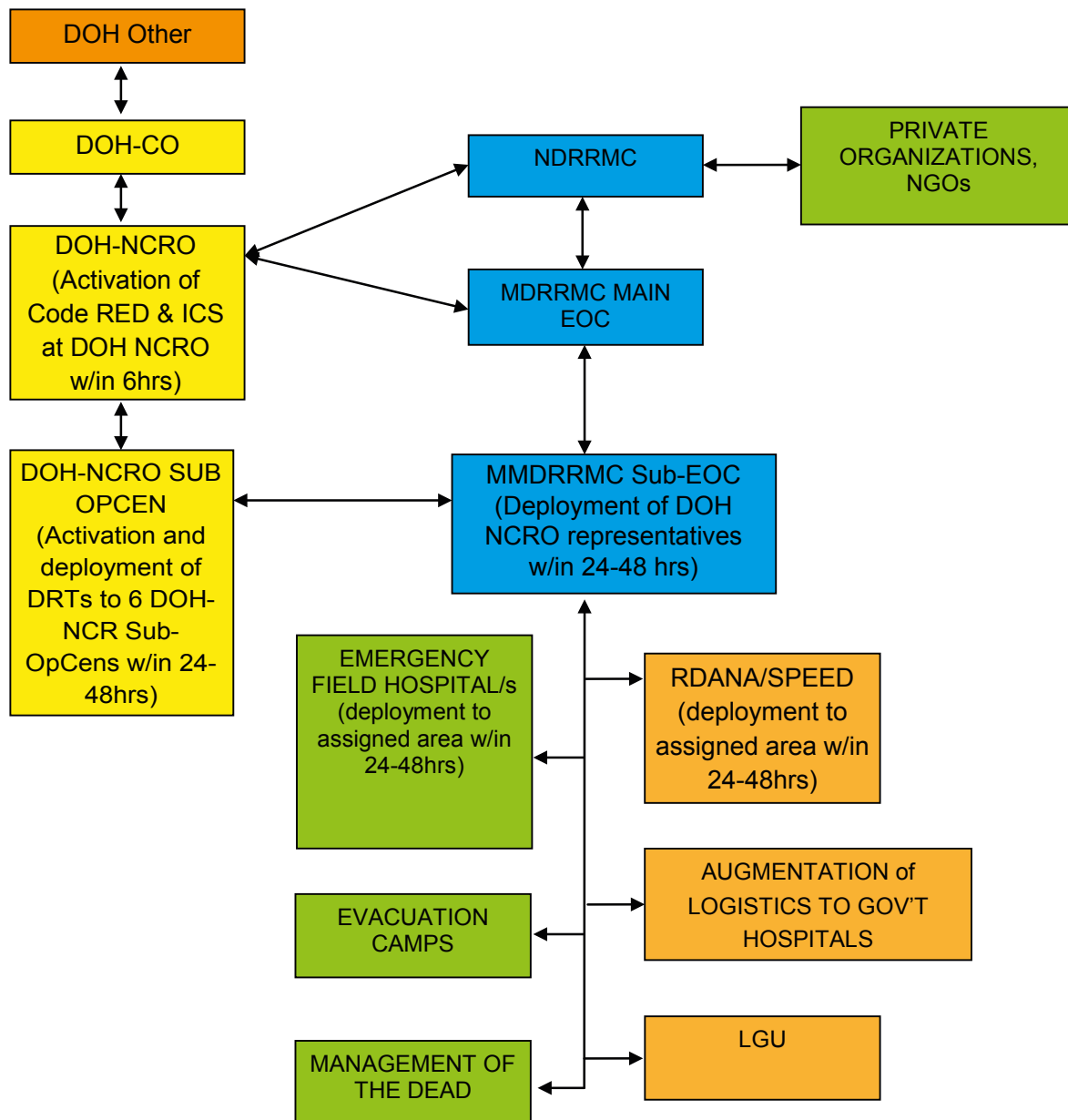
STANDARD OPERATING PROCEDURE:

A. Initial Flow of Coordination Immediately after an Earthquake



1. *DOH-NCRO activates Code Red / Incident Command System immediately after the earthquake.*
2. *DOH-NCRO will coordinate with the following:*
 - a. DOH – Central Office;
 - b. MDRRMC Main EOC
 - c. OCD-NCR;
 - d. DOH Retained Hospitals;
 - e. DOH-NCRO Sub-OpCen; and,
 - f. LGU HEMS/LDRRMOs.

B. Response Flow of Operation



1. Deployment of support manpower and logistics at DOH NCRO.
2. Deployment of two (2) DOH-NCRO manpower to MMDRRMC Main EOC and each MMDRRMC Sub-EOCs. The DOH representatives at the MMDRRMC Sub-EOC will coordinate manpower, medical and other logistics needs of evacuation camps, government hospitals and emergency field hospitals within its jurisdiction. They will likewise coordinate with the DOH-NCRO Sub-OpCen for additional medical and other logistics needs and to MMDRRMC and DOH-NCRO for manpower and health services augmentation. The DOH-NCRO representatives assigned at the MMDRRMC Sub-EOCs will furnish status report of the health sector to the MMDRRMC Sub-EOC Incident Commander with a copy furnished to DOH-NCRO Main OpCen and MMDRRMC Main EOC.

2.1. The following matrix show the DOH-NCRO Operations Center with its counterpart MMDRRMC Sub-EOCs, Evacuation Camps and Emergency Field Hospital:

QUADRANT	DOH-NCRO OPCENs	MMDRRMC OPCENs	EVACUATION CAMPS	EMERGENCY FIELD HOSPITALS
MAIN	<p>1st Option: DOH Central Office, Tayuman, Sta Cruz, Manila</p> <p>2nd Option: East Avenue Medical Center, Quezon City</p> <p>3rd Option: DOH NCRO, Mandaluyong</p>	<p>1st Option: MMDA, Orense St., Makati City</p> <p>2nd Option: AFP JTF NCR Compound, near gate 6, Camp Aguinaldo, Quezon City</p> <p>3rd Option: PNP NCRPO HQ, Camp Bagong Diwa, Bicutan, Taguig</p>		
NORTH	<ol style="list-style-type: none"> 1. Quirino Memorial Medical Center 2. Valenzuela Medical Center 	Veterans Memorial Medical Center, North Ave., Quezon City	<ul style="list-style-type: none"> • Veterans Memorial Medical Center, North Ave., Quezon City • UP Diliman Grounds 	<ul style="list-style-type: none"> • Veterans Memorial Medical Center, North Ave., Quezon City • Quezon Memorial Circle
EAST	DOH-NCRO Pasig Warehouse	LRT 2 Santolan Station Depot	<ul style="list-style-type: none"> • Marikina Boys Town • Red Cross, Marikina • Ultra, Pasig 	<ul style="list-style-type: none"> • LRT 2 Santolan Station Depot • Cirma Street Field Hospital for Amang Rodriguez Medical Center
WEST	<ol style="list-style-type: none"> 1. Las Pinas General Sattelite and Trauma Hospital 2. DOH-NCRO Mandaluyong 	Intramuros Golf Course	Intramuros Golf Course	<ul style="list-style-type: none"> • Intramuros Golf Course
SOUTH	DOH Central Office, Tayuman, Sta Cruz, Manila	Villamor Air Base Golf Course, Pasay	Villamor Air Base Golf Course, Pasay	Villamor Air Base Golf Course, Pasay

3. Deployment to and Activation of DOH NCRO Main OpCen and seven (7) Sub-OpCens. This will serve as warehouse of other medical supplies and logistics. The DOH NCR Sub-OpCen coordinates and provides other logistics and medical supplies to its counterpart MMDRRMC Sub-EOC. The DOH-NCRO Sub-OpCen will coordinate with the DOH-NCRO Main OpCen of inventory and replenishment of medicines and medical supplies.

- Support Manpower and Logistics at DOH NCR Main and Sub-OpCens:

- **MANPOWER with 12 hours shift**

- ❑ 1 Incident Commander
 - ❑ 3 Emergency Officers
 - ❑ 1 Admin/Finance Officer
 - ❑ 1 Planning Officer
 - ❑ 1 Logistics
 - ❑ 1 Utility
 - ❑ 5 Liaison
 - ❑ 1 Driver
 - ❑ 5 Utility crew – can come from volunteers

** In the event that the incident commander is not on duty, one of the emergency officers will act as the incident commander

- **LOGISTICS**

- ❑ Radios
 - ❑ Means of transport – bicycles, motorcycle

- Drugs
 - Medical supplies
 - Fuel
 - Generator
 - Warehouse needs
4. Activation of Emergency Field Hospitals and deployment of DOH Regional Offices (I, II, CAR, 5, etc.) within 24-48 hours. Two representatives from DOH NCRO will be likewise deployed on 2 shifts to assist the Regional Health Offices assigned at the Emergency Field Hospitals
- 4.1. The Location of Emergency Field Hospitals and the assigned DOH Regional Offices:

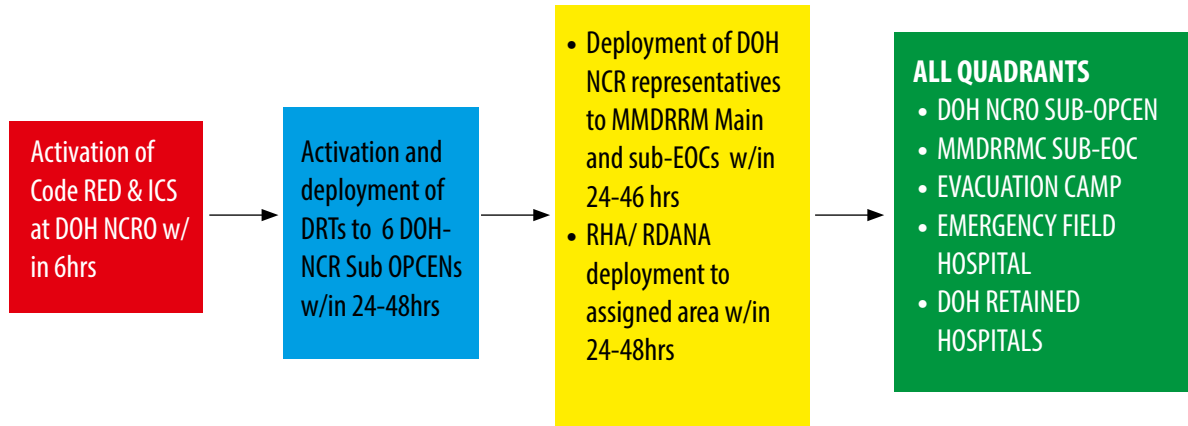
Quadrant /Emergency Field Hospital	Support DOH Regional Office
NORTH QUADRANT (1) Philippine Veterans Hospital, North Avenue Quezon City (2) Quezon Memorial Circle (3) UP Diliman	(1) DOH-Region 02 (2) DOH –CAR (3) DOH Region 01
SOUTH QUADRANT (4) Villamor Air Base Golf Course, Pasay City – REGION 7	(4) DOH – Region 07
EAST QUADRANT (5) LRT 2 SANTOLAN STATION DEPOT (6) Cirma Street Field Hospital for Amang Rodriguez Medical Center	(5) DOH –Region 01 (6) DOH –Region 05
WEST QUADRANT (7) Intramuros Golf Course	(7) DOH –Region 11 and 12

- 4.2. Manpower and other Logistics Needs Per Emergency Field Hospital based on 50-bed capacity hospital --- 2 shifts/12 hours per shift
- MANPOWER with 2 shifts / 12 hours shift
 - 1 Senior House Officer
 - 5 Physicians
 - 5 Nurses
 - 3 Nursing Attendants
 - 2 Nutritionist/Dieticians
 - 3 Midwives
 - 3 Medical Technologist
 - 3 Laboratory Aides

**adjustments should be made base on the number of personnel available during the time of the disaster.
 - LOGISTICS
 - Field hospital tents (10 patients per tens)
 - Generator set
 - Emergency drugs and medicines
 - Tables/ chairs
 - IV stands
 - Lights and ventilation units
 - Fuel
5. Deployment of Rapid Health Assessment Team/RDANA within 24-48 hours to areas affected. The team will use the proposed RDANA form (Annex A) and fill-up the necessary data. RDANA results will be submitted to the concerned MMDRRMC Sub-EOC through the DOH-NCRO representatives and/or OCD representatives and/or the IC for appropriate action.

- The following flowchart shows the deployment mechanism of DOH-NCRO:

Flow Chart Showing Activation of OpCens and Deployment of Disaster Response Teams (DRT) Timeline



- Deployment of DRTs from other regional offices to the major evacuation camps for the delivery of services such as medical, WASH, nutrition and MHPSS within 24 – 48 hours.

6.1. The Evacuation Camps and the Assigned DOH Regional Offices:

QUADRANT/EVACUATION CAMP	DRTs from DOH Regional Offices
NORTH SECTOR <ul style="list-style-type: none"> UP Diliman Grounds Commonwealth 	<ul style="list-style-type: none"> DOH Region 02 DOH CAR
SOUTH SECTOR <ul style="list-style-type: none"> Villamor Air Base Golf Course, Pasay City 	<ul style="list-style-type: none"> DOH Region 07
WEST SECTOR <ul style="list-style-type: none"> Intramuros Golf Course 	<ul style="list-style-type: none"> DOH Region 6 and 11
EAST SECTOR <ul style="list-style-type: none"> Marikina Boys Town Marikina Red Cross Pasig, Ultra 	<ul style="list-style-type: none"> DOH Region 01 DOH Region 12 DOH Region 05

- Each Evacuation Camp should have the following manpower per team per shift. Two shifts per day at 12 hours per shift:

PERSONNEL	RATIO/ NUMBER
Medical Doctor	1: 750 Evacuees
Nurse	2: 1 Medical Doctor or 1:1500 Evacuees
Rural Health Midwife (RHM)	1:1 Medical Doctor
WASH	1 Sanitary Engineer and 3 RSlS/spray man
MHPSS	1 Nurse, possibly from National Center for Mental Health
Nutritionist	1
Driver	1
Utility	2
Regional Epidemiology Surveillance Unit (RESU)	1

** Responding team from other regional office should have their own food, fuel, medical equipment and supplies, etc.

7. Deployment of DRTs from other Regional Health Offices and augmentation of logistic to various DOH retained Hospitals. (See Annex F for the list of augmentation)
8. LGUs are expected to submit status report of health and medical needs to their assigned MMDRRMC Sub-EOC, but in the case that the LGU reports directly to DOH-NCRO Main OpCen, the DOH-NCRO will validate and furnish a copy of the request and actions taken to concern MMDRRMC Sub-EOC.
9. Checking-in, orientation and deployment of assisting DOH regional Offices and other volunteers.
 - 9.1. DOH-Central Office representatives will be deployed at the Engineering staging areas at NLEX and SLEX. They will be responsible in receiving, orienting and deploying the assisting DOH regional offices. Once the assisting regional office arrives at the scene of their assignment, they should check-in with the DOH officer-in-charge/incident commander for further orientation and instructions.
 - 9.2. All assisting medical associations or volunteer groups should coordinate with OCD-NCRO or OCD-Central Office for area of deployment. Once they arrive at the scene, they should check-in with the DOH officer-in-charge/incident commander for further orientation and instructions.
10. Referring Hospitals within Metro Manila for Life Threatening and Seriously Injured Victims
 - 10.1. 30% of the Existing Bed Capacities of Government and Private Hospitals within Metro Manila are expected to accommodate life threatening and seriously injured Earthquake victims

NORTH QUADRANT							
City	Life Threatening Injuries	Health Facilities					Remarks
		DOH RETAINED HOSPITALS	Other Gov.t Hospital	Private	Bed Capacity		
					Total	30%	
Valenzuela	468	1	1	6	220	66	With the assumed 30% capacity for earthquake victims about 100 will not be given immediate medical attention
Caloocan	1295	2	0	12	646	194	
San Juan	105	0	1	2	516	155	
Mandaluyong	392	1	1	2	4,554	1367	
Quezon City	2232	8	7	38	8,697	2610	
Sub Total	4492	12	10	60	14,633	4392	
The remaining victims of 100 with life-threatening injuries will be received at the identified Emergency Field Hospital located at VMMC and Quezon City Memorial Circle							
EAST QUADRANT							
City	Life Threatening Injuries	Health Facilities					Remarks
		DOH RETAINED HOSPITALS	Other Gov.t Hospital	Private	Bed Capacity		
					Total	30%	
Pasig	1135	1	1	12	1270	381	With the assumed 30% capacity for earthquake victims about 1,244 will not be given immediate medical attention
Marikina	657	1	0	11	556	167	
Sub Total	1792	2	1	23	1826	548	
The remaining victims of 1,244 with life-threatening injuries will be received at the identified Emergency Field Hospital located at Amang Rodriguez Medical Center, Cirma Street, Marikina and LRT 2 Santolan Station							

WEST QUADRANT							
City	Life Threatening Injuries	Health Facilities					Remarks
		DOH RETAINED HOSPITALS	Other Gov.t Hospital	Private	Bed Capacity Total / 30%		
Manila	2775	4	7	17	7,171	2151	With the assumed 30% capacity for earthquake victims about 1,302 will not be given immediate medical attention
Malabon	403		2	0	262	79	
Navotas	354		0	0	0	0	
Sub Total	3532	4	9	17	7,433	2,230	
The remaining victims of 1,302 with life-threatening injuries will be received at the identified Emergency Field Hospital located at Intramuros.							
SOUTH QUADRANT							
City	Life Threatening Injuries	Health Facilities					Remarks
		DOH RETAINED HOSPITALS	Other Gov.t Hospital	Private	Bed Capacity Total / 30%		
Makati	609	0	1	3	895	269	With the assumed 30% capacity for earthquake victims about 2,477 will not be given immediate medical attention
Pateros	117	0	0	0	0	0	
Taguig	1018	0	3	4	1,001	301	
Parañaque	496	0	1	7	484	146	
Las Piñas	616	1	0	11	654	197	
Muntinlupa	514	0	3	8	1,184	356	
Pasay	565		2	2	630	189	
Sub Total	3935	1	10	35	4,848	1458	
The remaining victims of 2,477 with life-threatening injuries will be received at the identified Emergency Field Hospital located at Villamor Air Base Golf Course							

10.2. DOH-NCRO representative at the MMDRRMC Sub-EOC should closely monitor available beds in the identified Metro Manila Hospitals in close coordination with other MMDRRMC Sub-EOC, MMDRRMC Main EOC and DOH-Central Office for efficient referral of life-threatening and seriously injured victims.

- With a total of 126,177 victims with life-threatening and serious injuries, it is assumed that there is a 30% or 8,622 allotment of bed capacity for each DOH-operated, LGU and private hospitals out of the 28,740 existing. Victims with life-threatening injuries (13,751) will be prioritized in the existing hospitals.
- The 8 Emergency Field Hospital can only accommodate 50 beds each. A total of 400 beds/patients with serious injury will be prioritized.

10.3. Referring Government and Private Hospitals Outside Metro Manila and their Bed Capacities. (See Annex G)

10.4. If the roads going outside Metro Manila are immediately cleared, injured victims may be brought to Subic, Pampanga, Pangasinan, Nueva Ecija, La Union and other hospitals in Northern Luzon. This may as well be done in Southern Luzon provinces.

10.5. Seriously injured victims may avail air transportation services. Priority injured victims that cannot be accommodated immediately at the nearby hospital/s may opt to seek treatment outside MM. In this case, victims may be brought to Villamor Air Base to be transported to the regions identified by DSWD as pick-up points of relief goods (Regions, 5, 6, 7). Targeted patients for air transport from Villamor Air Base are 1,800. Other patients may be transported to Clark airport (via land) for air transport to their respective regions (Regions 11 and 12, 1, 2 and CAR). Around 4,000 seriously injured patients needing treatment outside MM.

10.6. The remaining seriously injured victims (106,226) may be transported to other regions thru commercial air and land transportation.

POLICIES:

- A. Logistics
 - Implement DOH policy (attach/indicate in the document) for the stock piling, replenishment and request of medicine and drug supplies for emergency situation.
- B. DOH code alerts
- C. Deployment policy (formulation stage).
- D. SPEED

4.9. Evacuation and Management of The Dead And Missing (MDM)

SCENARIO:

- The Magnitude 7.2 earthquake with Intensity VIII from the West Valley Fault will cause structures to collapse and/or have extensive damage that is not safe to live in. This will leave an estimated 3,000,000 affected individuals who would need temporary shelter until their homes are rehabilitated.
- Deaths: 31,228

OBJECTIVES:

- To lead in the establishment of evacuation camps to displaced families/individuals;
- To lead in the management of dead and missing bodies;
- To assist the command and control sector in disseminating and creating partnership with the local government units concerned in the security of the pre-positioned container vans/command center.

LEAD AGENCY for EVACUATION: Department Of Social Welfare And Development (DSWD)

LEAD AGENCY for MANAGEMENT OF THE DEAD AND MISSING:

Department Of The Interior and Local Government (DILG)

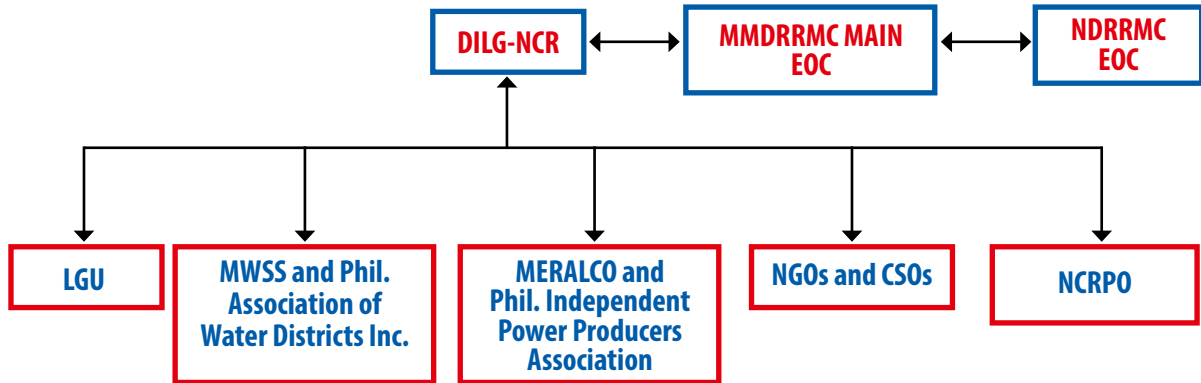
DEPUTY: Department of the Interior and Local Government – National Capital Region (DILG-NCR)

COOPERATING AGENCIES:

AGENCY/ GROUP	TASK/ RESPONSIBILITY
<ul style="list-style-type: none"> • Department of Health Central Office (DOH-CO) • Department of Health Regional Offices • Department of Health Retained Hospitals • Other Government Health Facilities (NCR and nearby regions) 	Assist in providing certification/ validation of dead bodies.
<ul style="list-style-type: none"> • Local Government Units <ul style="list-style-type: none"> ▪ Local Health Offices ▪ DRRMOs 	<ul style="list-style-type: none"> • Lead in the management of the dead and missing bodies at their AOR. • Coordinate with the DILG on any support needs for managing dead and missing bodies. • Provide temporary burial sites for dead bodies. • Assist in the establishment of Evacuation Camp facilities
<ul style="list-style-type: none"> • NBI • PNP/ PNP SOCO 	Lead in identifying dead bodies and missing persons
<ul style="list-style-type: none"> • Metropolitan Manila Development Authority (MMDA) • Provincial/Local Government Units • Engineers of Assisting Regions • DSWD/DSWD-NCR • DPWH/DPWH-NCR • Philippine Red Cross (PRC) • MERALCO • MWSS • Maynilad Water Services (Maynilad) • Phil. Independent Power Producers Association • Phil. Association of Water Districts Inc. • International Organizations - United Nations Children’s Fund (UNICEF), World Food Programme (WFP), International Organization for Migration (IOM) 	Assist in the establishment of Evacuation Camp facilities

A. EVACUATION

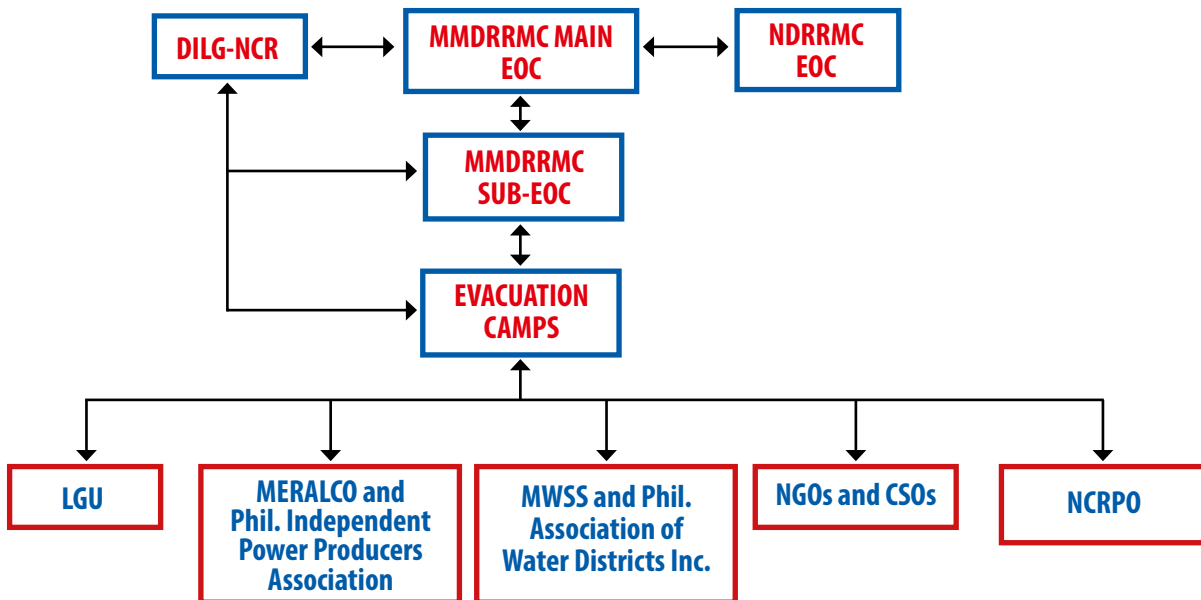
INITIAL FLOW OF COORDINATION



STANDARD OPERATING PROCEDURE:

- Coordinate with the LGUs on number of possible evacuees from each city/municipality.
- Coordinate with MWSS/Maynilad to ensure that there will be water supply/source at the identified evacuation camps;
- Coordinate with MERALCO to ensure that there will be electricity at the identified evacuation camps
- NGOs and CSOs to deploy resources of tents, portalets, generators, etc. needed at the evacuation camps

FLOW OF OPERATIONS:

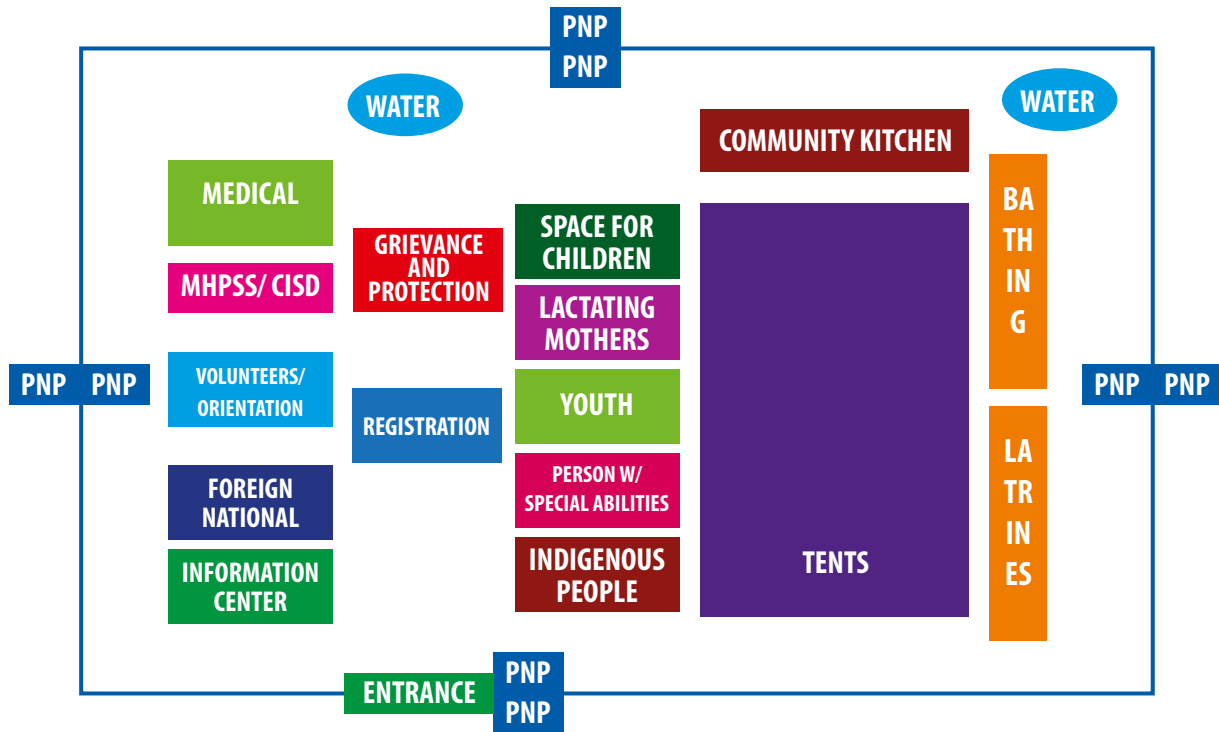


STANDARD OPERATING PROCEDURE:

- Two (2) DILG-NCR personnel will be deployed to the MMDRRMC Main and Sub-EOCs to represent the Evacuation Sector a few hours after the strong earthquake;
- Two DILG –NCR personnel will be deployed at the identified major evacuation camps as lead and assistant lead in the establishment of needed and priority facilities in coordination with various partners;

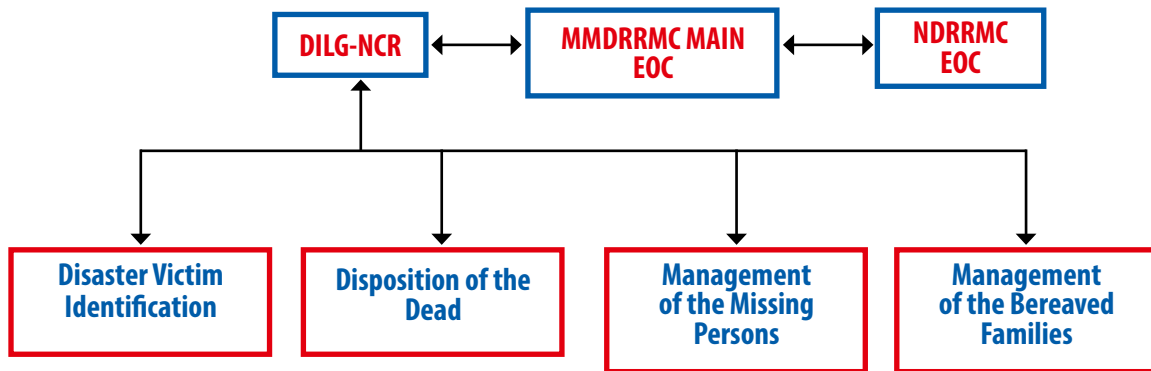
MMDRRMC EOCs	Location	Evacuation Camps (EC)	Capacity (# if Individuals)	Manpower Support to be Deployed for Each Evacuation Camp		
				DILG NCR	Skilled / Assisting Region /PLGU/s	Volunteers/ Assisting Regions
North Quadrant	Veterans Memorial Medical Center, North Ave., Quezon City	7. Veterans Memorial Medical Center	87,616	• Lead:	• Foreman (1) • Electrician (1) • Plumber (1) • Laborers (20)	• Volunteers (30)
		8. UP Diliman Grounds	60,846	• Asst. Lead:		
East Quadrant	LRT 2 Santolan Station Depot	1. Marikina Boys Town	86,797	• Lead:	• Foreman (1) • Electrician (1) • Plumber (1) • Laborers (20)	• Volunteers (30)
		2. Red Cross, Marikina	65,345	• Asst. Lead:		
		3. Ultra, Pasig	4,067			
West Quadrant	Intramuros Golf Course	Intramuros Golf Course	13,928	• Lead: • Asst. Lead:	• Foreman (1) • Electrician (1) • Plumber (1) • Laborers (20)	• Volunteers (30)
South Quadrant	Villamor Air Base Golf Course, Pasay	Villamor Air Base Golf Course	118,089	• Lead: • Asst. Lead:	• Foreman (1) • Electrician (1) • Plumber (1) • Laborers (20)	• Volunteers (30)

- **DILG-NCR** personnel assigned at the:
 - **MMDRRMC Sub-EOC**
 - ☐ Continuously coordinates with the concerned support agencies for the following:
 - ✓ Deployment of manpower equipment and tools for the installation of electricity at ECs;
 - ✓ Deployment of manpower, equipment, facilities and tools for the provision of supply of water at ECs;
 - ✓ Deployment of manpower, provision and installation of adequate tents, portalets, wash and bath areas for the evacuees at ECs.
 - ✓ Continuously coordinates with lead and asst lead assigned at ECs for updates;
 - ✓ Furnish Incident Commander at the MMDRRMC Sub-EOC reports/updates.
 - ✓ Monitor actions taken/status of evacuation camps.
 - **Evacuation camps:** DILG-NCR representatives shall assign a Team Leader and Asst. Team Leader.
 - ☐ Team Leader
 - ✓ Shall provide regular update to representative of DILG NCR assigned at MMDRRMC Main and Sub-EOCs for request of assistance received/gaps, progress of establishment and other concerns for replenishment/augmentation and support.
 - ✓ Regularly coordinate with DSWD-NCR updates of additional/ extra tents or other facilities in the camp
 - ☐ Assistant Team Leader
 - ✓ Shall account and record all received tents, electricity, water equipment, portalets, etc.,
 - ✓ Furnish the Team Leader reports/updates and thru the lead regularly report/ update DILG-NCR personnel at the concerned MMDRRMC Sub-EOC assigned to the evacuation camp.
 - ☐ The lead and asst lead shall ensure that lay-out of camp is similar with the example given:



B. MANAGEMENT OF THE DEAD AND MISSING:¹⁰

FLOW OF OPERATIONS:



10 - Organizational/Functional Chart in Support to MDM of the "Interim guidelines on the management of the dead and missing persons during mass fatality incident as a result of emergencies and disasters".

STANDARD OPERATING PROCEDURE:

A. Disaster Victim Identification (DVI)

1. The NBI shall take the lead in identifying victims as a result of natural disasters, while PNP takes the lead in human-induced disasters.
2. All retrieved bodies and body parts shall be turned over to NBI/PNP for identification and accounting.
3. The medico-legal officers of the NBI and/or PNP shall issue a certificate of identification for all examined/processed and identified bodies.
4. The Local Health Officer shall issue a Death Certificate based on the Certificate of Identification issued by the NBI/PNP.
5. The NBI and PNP shall provide the Local Health Officer with the official number of identified bodies with the list of names, while they issue only number of unidentified bodies
6. Upon verification of the legitimacy of the claimant, the LGU through the local health officer shall authorize the release of the identified dead body to the family or claimant.
7. The LGU shall take charge in burying unidentified processed bodies in coordination with the NBI/PNP.
8. The LGU shall be responsible for the final disposition of unclaimed identified bodies.
9. For purposes of rapid reporting on retrieved bodies, the NDRRMC shall issue the information based on the reports submitted by the LGUs through the RDRRMC Operations Center.
10. For official reports on the dead, the NDRRMC shall provide the information based on the reports submitted by DOH.
 - 1.1. All concerned units, including implementing partners at the community level should be encouraged to report dead or retrieved bodies to NBI/PNP
 - 1.2. The NBI/PNP shall submit report to the local health officer
 - 1.3. The local hospitals (both public and private) shall submit the number and list of dead bodies to the local health office
 - 1.4. The DOH-retained hospitals should submit the number and list of dead bodies to the DOH-Regional Office (DOH-RO).
 - 1.5. The DOH-RO Center for Health Development (CHD) shall integrate reports from the DOH hospitals, NBI/PNP and Local Health Office and submit said reports to DOH-Central Office (DOH-CO)
 - 1.6. The DOH-CO shall submit report to the NDRRMC
11. The LGU through the NDRRMC shall provide the DFA a list of identified and unidentified dead foreigners.
12. All retrieved body parts and corpses waiting for examination and identification in the temporary mortuary shall be properly preserved through any appropriate and available means.
 - 12.1. Refrigeration of bodies and body parts is the preferred method in storing dead bodies.
 - 12.2. Formalin and quicklime can be applied only to dead bodies after processing by the NBI/PNP.
 - 12.3. Instead, they should be properly numbered and temporarily buried in a collective grave in a monolayered manner not more than three (3) feet below the ground with plastic sheets beneath and above them.
13. LGUs shall identify temporary burial sites
 - All concerned government and NGOs shall provide essential information (e.g. dental records, finger prints, medical records, etc.) to help NBI establish the identity of the dead.
14. The existing Interpol forms will be used in recording the dead bodies until such time these are revised to expedite the DVI process.
15. The LGU shall, in coordination with the NBI, PNP, DOH, DILG and other agencies involved in managing the dead/missing, shall conduct trainings and seminars regarding the proper handling of the missing/dead and the bereaved families.
16. The NBI/PNP shall accredit volunteer experts (groups or individuals), to help in the retrieval and identification of the dead bodies.
17. The NBI/PNP should establish a set of standards as basis in allowing foreign groups to participate in retrieval and identification of dead bodies

18. The DOH shall include in the licensing requirements of morticians the training on MDM.
19. Basic requirements for a temporary mortuary facility shall be observed based on the Implementing Rules and Guidelines of the Sanitation Code, which should be disseminated to all concerned.
20. The DILG shall allocate funds for the body movers during disasters in case LGUs are unable to do so.



Pre-identified area for displaced population during the Metro Manila Shake Drill, July 30, 2015

B. Final Arrangement for the Dead

1. All identified body parts and corpses shall be turned over to the rightful/legitimate claimant accordingly.
2. Legitimate claimants shall be responsible for the ultimate disposal of identified cadavers.
3. The respective embassies of identified dead foreigners shall be informed and the repatriation of these bodies shall be their responsibility.
4. The LGU shall be responsible for the final disposition of the unidentified bodies to be buried in the collective or individual graves, marked with their unique case numbers and/ or labels.
5. The LGU shall consult the community and religious leaders of the disaster site regarding the final disposition of the unidentified bodies.
6. Exhumation of dead bodies shall be done in the presence of local health officials with proper disinfection of the dis-interment area.
7. The legitimate claimants of the dead bodies have the prerogative to have the dead bodies embalmed.

C. Management of the Missing Persons

1. A person can only be considered missing upon the report of the relatives / concerned persons to the local police station. The PNP shall verify the identity of the reported missing persons from the records of its Warrant Section.
2. The DSWD shall also verify the reported missing persons from its records of Children in Conflict with the Law (CICL).
3. In exceptional cases such as huge magnitude calamities, the latest National Census shall be the basis for reporting missing persons.
4. The police shall immediately inform the incident commander who initiates active search and rescue / retrieval and provides feedback.
5. The Local Social Welfare and Development Office (LSWDO) shall certify that the missing person is affected by the disaster.
6. The Barangay Chairman / Punong Barangay shall certify that the reported missing person is a resident of the affected community;
7. Provincial/City/Municipal Social Welfare Office (P/C/MSWDO) shall:
 - a. Establish the Local Social Welfare Inquiry Desks for data generation/information management of missing persons presumed to be dead during the disaster and their surviving families

- b. Ensure available or alternative sources of information such as local census, voters list, i-cloud or back up servers with the support from regional or national DSWD,
 - c. Validate and process documents of the missing persons presumed to be dead during the disaster.
8. The validated list of missing person presumed to be dead shall be submitted to the Local Chief Executive for approvals endorsement to the NDRRMC for issuance of certificate of missing person presumed to be dead during the disaster.
 9. The LGU must submit to the NBI and/or PNP an updated list of missing persons. The LGU shall be responsible in updating the list of missing persons.
 10. The DSWD, DOH, and PRC, shall provide technical and resource augmentation/ assistance for the medical, psychological, and physiological needs of the families of the missing persons. DILG shall ensure that the interventions are in accordance to MHPSS standard.

D. Management of the Bereaved Families

1. Provincial/City/Municipal Social Welfare and Development Office (P/C/MSWDO) is the Lead Agency in the over-all management of the bereaved families.
2. The DSWD shall provide technical assistance and resource augmentation to the P/C/MSWDO on the over-all management of the bereaved families.
3. The DSWD, PRC, and NGOs shall provide technical and resource augmentation assistance to P/C/MSWDO for the following:
 - a. Physiological needs to the bereaved shall include: Food Assistance; Financial Assistance; Livelihood Assistance; Clothing Assistance; Shelter Assistance; Management of the Orphans; and Food/Cash for Work.
 - b. Social needs of the bereaved in terms shall include: Family/Peer Support System; Social Welfare Inquiry Desk/Information Center; Educational Assistance and Legal Needs.
 - c. Psychological needs of the bereaved shall include: Psychological First Aid and other Special Needs like Psychiatric or Mental Services;
4. The DOH and the PRC shall provide the resource augmentation/assistance for the medical and psychological needs of the families of the missing persons until such time the LGUs can provide the needed services.
5. The DSWD, DOH and PRC shall develop a harmonized training program for responders in providing Mental Health and Psychosocial Support to bereaved families.
6. The OCD Regional Offices (OCDRO) shall coordinate with the P/C/MSWDO to facilitate the processing of requirements for the benefit claims of the bereaved families:
 - a. Barangay Certificate as resident and claimant is the legal beneficiary from the Barangay Captain
 - b. Police report of LDRRMC report from the local PNP/LDRRMC
 - c. Death certificate from the local civil registrar
 - d. Endorsement for payment from LDRRMC
 - e. Endorsement of OCDRO to the chairperson of the NDRRMC

POLICIES:

A. EVACUATION

The general policies and guidelines that should be maintained before the actual incident operations are:

- Establishment/maintenance/regular updating of directories of national government agencies, LGUs and CSOs, NGOs which can provide assistance in the setting-up of the evacuation camps;
- Adherence to ICS per NDRRMC directive and international protocols such as those of Association of South East Asian Nations (ASEAN) and UN, when requesting for international assistance.
- Mandate LGU to allocate funds (for tents and portalets) for their residents assigned to the identified evacuation camps.
- Facilitate the Creation of Memorandum of Understanding between the NDRRMC and the Barangay/ LGU regarding Safekeeping of the Keys to the Container Vans in the 4 Sub-EOCs;

- Facilitate the LGU-Sponsored Training of the Barangay regarding Usage of Equipment and Facilities in the 4 Sub-EOCs;

4.10. Fire

SCENARIO:

- A 7.2 Magnitude Earthquake with Intensity VIII caused widespread fire numbering around 500 fires all over the Metro Manila with the possible spread if the prevailing winds are strong.
- Only 30% of BFP-NCR manpower will be able to respond for the first three (3) days after impact of the earthquake.

OBJECTIVE:

- To suppress all destructive fires to minimize the loss of lives and properties.

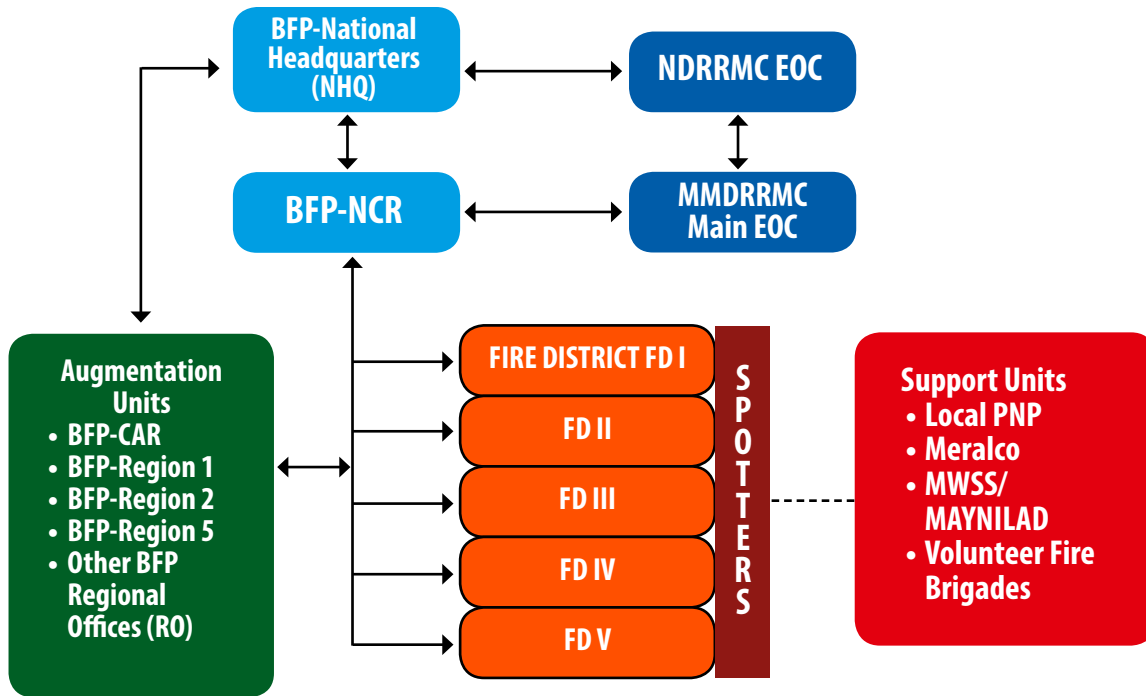
LEAD AGENCY: Bureau of Fire Protection (BFP)

DEPUTY: Bureau of Fire Protection - National Capital Region (BFP-NCR)

COOPERATING AGENCIES:

AGENCY/ GROUP	TASK/ RESPONSIBILITY
Bureau of Fire Protection Regions I, II, CAR, 5, 6, etc	Shall provide augmentation and support to BFP-NCR in fire suppression activities
Philippine National Police (PNP)	Shall be responsible in peace and order, crowd control at the fire scene to avoid looting whether residential or business establishment that is on fire.
Meralco	Shall facilitate the cutting of power lines for safe movement of the responding firefighting personnel and avoid further injury either from members of the community or the responders. The Meralco shall provide a 24/7 emergency response personnel who will take charge of cutting the power lines in the event of fire incidents that occurred during the Intensity VIII earthquake.
Metropolitan Waterworks and Sewerage System (MWSS)	Shall be activated to provide water hydrants accessible to firefighters for refilling during fire suppression activity. Appropriate pressure in the hydrant should be checked regularly by water services in order to optimize the time spent in water refilling.
Maynilad Water Services, Inc. (Maynilad)	Shall be activated to provide water hydrants accessible to firefighters for refilling during fire suppression activity. Appropriate pressure in the hydrant should be checked regularly by water services in order to optimize the time spent in water refilling.
Barangay Tanod	Shall assist the responding unit and clear the way towards the fire scene in order to have a quick access in the area and do firefighting activities. Close coordination with PNP and LGU traffic officer shall be maintained.
Special Rescue Unit (SRU)	Shall be responsible for search and rescue of the victims
Emergency Medical Service (EMS)	Shall be responsible for medical needs of the victims
Fire Brigades	Shall assist the BFP-NCR in fire suppression activities

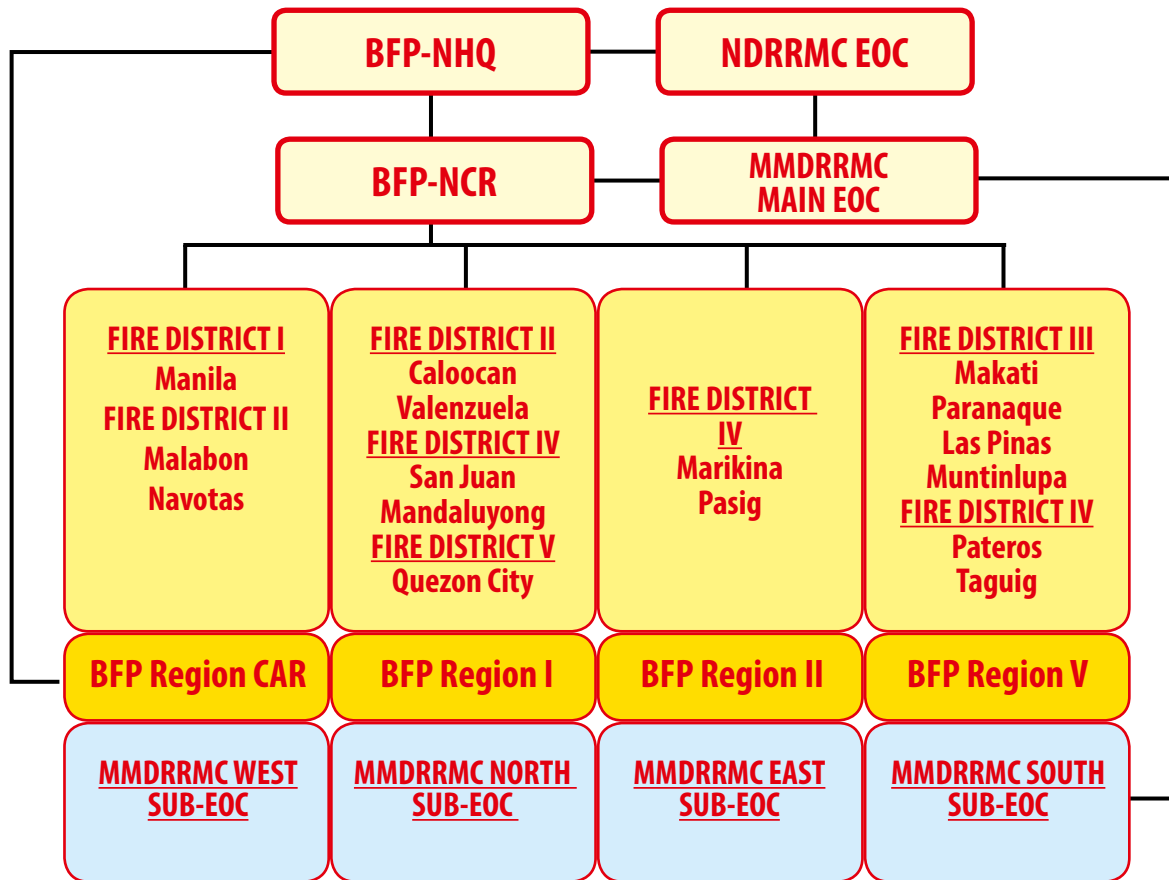
FLOW OF OPERATION:
Initial Coordination



STANDARD OPERATING PROCEDURE:

1. Right after the earthquake, each fire station will deploy spotters within their AOR to look for fire situations.
2. Activate contingency plan.
3. All fire stations should report to BFP district fire station if still operational.
4. In case that the BFP-NCR is non-operational, the BFP-NHQ will oversee the fire situation in Metro Manila will be observed:
 - Option 2: The BFP-NHQ will oversee the operations in Metro Manila and coordination with other BFP Regional Offices until BFP-NCR reports that they can already take-over.
 - Option 3: The NDRRMC will oversee the operations in Metro Manila and coordination with other BFP Regional Offices until BFP-NCR reports that they can already take-over.
5. Report number of operational fire stations to MMDRRMC Main EOC and BFP-NHQ.
6. Coordinate with PNP, Meralco, MWSS and Maynilad for the assistance needed.
7. Coordinate with the assisting BFP Regional Offices for deployment of augmentation. The assisting BFP Regional Office will then coordinate with the fire stations within its area of responsibility to deploy fire trucks for augmentation. Fire stations that may send augmentation to BFP-NCR are those that have two (2) or more fire trucks.

FLOW OF OPERATION:



STANDARD OPERATING PROCEDURE:

1. If there is a fire incident, each fire station will deploy responding units based on the running card system.
2. Each team with 24 hours shift to be deployed to fire incident will have the following composition:
 - Seven (7) firefighters to One (1) fire truck for fire suppression.
 - Seven (7) BFP Search and Rescue Unit (SRU) to One (1) Rescue truck
 - Three (3) BFP Emergency Medical Service (EMS) to One (1) Ambulance
3. Fire stations with deployed teams will coordinate with PNP, MWSS, Maynilad for the specific assistance needed.
4. A representative/coordinator from BFP-NCR should immediately report/check-in to MMDRRMC Main EOC.
5. A representative from BFP-NCR District Offices should immediately report/check-in to their assigned MMDRRMC Sub-EOC.
 - Every district assigned to each MMDRRMC Sub-EOC should have a representative.
 - The BFP-NCR FD representative will coordinate any fire incidents and updates within their area.
 - The representative will also consolidate reports to be submitted to the Incident Commander of the MMDRRMC Sub-EOC and BFP-NCR.
6. The Fire Sectors from adjacent regions shall provide augmentation and support to BFP-NCR in fire suppression activities.
 - Assisting BFP Regions should immediately call / report to their assigned MMDRRMC Sub-EOC for instructions and/or deployment.
 - In the event of collapsed BFP-NCR fire stations, which also lead to the incapability of BFP-NCR

due to heavy damage of equipment and apparatus, the Fire Sectors from adjacent regions shall take the responsibilities of the fire suppression activities in designated areas, until such time BFP-NCR is operational.

- Respective Regions shall carry out fire suppression activities according to assigned area:
 - Region CAR BFP and Fire Brigades: West Quadrant;
 - Region I BFP and Fire Brigades: North Quadrant
 - Region II BFP and Fire Brigades: East Quadrant
 - Regions V BFP and Fire Brigades: South Quadrant
- 7. Any volunteer firefighting group should check-in first with the Fire Marshal before doing any fire suppression.
- 8. The Fire Marshal shall report status of response to its FD Office. The FD will then give updates/ status report to BFP-NCR and its counterpart MMDRRMC Sub-EOC.

POLICIES:

- Ensure the operational readiness of all fire stations such as:
 - Apparatus and equipment for firefighting and communication
 - Structural soundness of building
 - Adequacy of Firefighting personnel
 - Maintain the sufficiency of Aqueous Film Forming Foam (AFFF) in all Fire Stations.
- Management Training of Fire Brigades and Barangay Tanods on fire suppression activities.
- Conduct fire and earthquake drills to all barangay and business establishment's owners or occupants at least semi-annually.
- Ensure adequate supplies, equipment and apparatus.
- Regular quarterly inventory of apparatus and equipment.
- Daily maintenance of the Fire Trucks and Apparatus.
- Strict implementation of RA 9514 – Fire Code of the Philippines and other fire related laws.
- Advance pre-fire planning in fire prone areas shall be undertaken and rehearsed to ensure smooth coordination and flow of operation to all fire stations.

CHAPTER 5

PROCEDURE FOR FEEDBACK, UPGRADING AND FUTURE ACTION



Undersecretary ALEXANDER PAMA orients the OCD's Regional Directors on Response Strategy during the tabletop simulation/ exercise held to test NDRP for Earthquake and Tsunami and Oplan Metro Yakal Plus on July 28-29, 2015.

5.1. Information Dissemination / Communication Strategy

This plan is to be disseminated and implemented within the National Capital Region's LGUs, NGAs, Private Sector and other Stakeholders, as well as to the responding Regions stated within this plan. All concerned agencies are directed to disseminate, discuss and practice this plan with their identified Cooperating and Assisting Agencies and/or Offices stated within the sectoral plans.

Strategies for dissemination may include, but are not limited to the following:

- Conduct of DRRM Summits;
- Exposure trips of cooperating and assisting regions/ agencies to identified Emergency Operations Centers, Evacuation Centers, Emergency Field Hospitals, Food and Non-Food Items Warehouses, Staging Areas, etc. among others;
- Regular Table-top and on the ground exercises/drills;
- Production of brochures, posters, flyers, etc. for all stakeholders.

5.2. Policy Support

This plan is supported and complemented by the NDRP for Earthquake and Tsunami by the NDRRMC. As stated in the NDRP, the NDRRMC shall automatically deploy assisting and augmentation groups from Regions I, II, V, VI, VII, XI, X, and CAR, as well as various teams/ units of the AFP.

Other identified needed policy support at the National Level for effective and efficient implementation of this plan are the following:

- Guidelines on payment mechanism of lent/ rented and procured equipment/ services rendered during disaster operations;
- MOA with private/business sectors on lending/ rental/ procurement mechanism of equipment and basic necessities;
- Executive Order – President (for disaster operations at national level)
 - NGAs in regularly providing updated inventories of resources (manpower, equipment, transportation, etc);
 - Regions providing support/assistance shall have their own PPEs/equipment/ supplies and other basic provisions during response.
- NDRRMC Memorandum Circular for NGAs
 - Allocate 5% of budget for DRRM other than the QRF of selected agencies
 - Guideline on source of fund and utilization in excess of the 30% QRF

At the Regional Level, the following policy support shall be adhered to:

- All agencies are encouraged to establish and regularly update their respective Chain of Command and submit the same to the MMDRRMC;
- Maintain an updated inventory and regular maintenance of the following:
 - Existing and functional communication system and other redundant communication to ensure communication inter-operability and redundancy between and among different stakeholders;
 - Existing and functional PPE and tools, equipment and accessories for Search and Rescue; and, Security and Safety.
 - All available transportation assets of government agencies and private sectors that may be deployed during and after disasters.
- The Philippine Institute of Petroleum (PIP) shall provide petroleum requirements for emergency response, adherent to the MOA signed between N/MMDRRMC, PIP and DOE.
- Stockpiling and warehousing of the following:
 - Tools and other logistical needs;
 - Food and non-food items;
 - Medicines.
- Maintain and update directory of all response, support and augmenting agencies/ groups/ offices.
- Rehabilitation and acquisition of modern response equipment as well as training for technicians.
- Testing of communication and response equipment shall be done at least once every quarter.
- Regular conduct of workshops and training on DRRM; upgrading of response skills; and fire and earthquake drills.
- Annual inspection of vital infrastructures, which include bridges, underpasses, overpasses, government buildings, hospitals, etc.
- Create and execute Memorandum of Agreements / Understanding with Private Companies

EXISTING MOA

- Philippine Disaster Recovery Foundation (PDRF) - provision of recovery and rehabilitation assistance
- PIP - provision of fuel requirements during response operations
- PICE/ASEP - structural audits of structures and infrastructures
- Philippine College of Surgeons
- Philippine Mortuary Association
- National Food Authority
- GMA 7 Network
- Pure Force

5.3. Review, Monitoring, and Evaluation

Regular review, monitoring and evaluation shall be done to ensure the reliability of this plan. The MMDRRMC shall review this plan on an annual basis; updating needed information, such as directory, alignment of mandated response actions, information on the gaps and needs, among others. Monitoring of implementation may be based on the plan of action indicated in the gaps and needs identification matrix of each sector. In order to assess the effectiveness of the plan, evaluation results of tabletop exercises, drills and reviews shall be documented, collated and include during the review of this Plan.

ANNEX

A. RAPID DAMAGE ASSESSMENT AND NEEDS ANALYSIS FORM

RAPID DAMAGE ASSESSMENT AND NEEDS ANALYSIS INITIAL REPORT – PHASE I

I. PROFILE OF THE DISASTER

Type of Disaster : _____
Date and Time of Occurrence : _____
Site Location/Address : _____
GPS Coordinates : _____
Time of RDANA Team Arrival : _____
Time of RDANA Team Departure : _____
Local authorities/persons interviewed : _____
Summary of Disaster/Incident: _____

II. INITIAL EFFECTS --- TOTAL, check with updated rdana from ETD

Total Population : ___ men ___ women ___ children ___ elderly ___ PWDs ___
Affected : ___ men ___ women ___ children ___ elderly ___ PWDs ___
Displaced : ___ men ___ women ___ children ___ elderly ___ PWDs ___
Dead : ___ men ___ women ___ children ___ elderly ___ PWDs ___
Missing : ___ men ___ women ___ children ___ elderly ___ PWDs ___
Injured : ___ men ___ women ___ children ___ elderly ___ PWDs ___

III. STATUS OF LIFELINES AND CRITICAL FACILITIES

Roads and Bridges	
Electricity	
Communication Network	
Hospitals	
Schools	
Airports	
Sea Ports	
Water Supply System	
Market	
Residential Houses	
Others	

IV. INITIAL NEEDS ASSESSMENT

	Status	Priority Needs
Health		
Food		
WASH		
Shelter		
Protection		
Others		

IV. INITIAL RESPONSE ACTIONS

Response groups involved

: _____

Assets deployed

: _____

Number of families served

: _____

Extent of local assistance

: _____

References:

NDRRMC Report Development Workshop – Forms I and II
 ASEAN-ERAT Daily Assessment Form for ARF DIREX
 ASEAN RDANA Manual Quick Reference Guide December 2008
 Initial Needs Assessment Checklist (INAC) – Version 06/05/10

B. LIST OF CALL SIGN OF OFFICERS AND PERSONNEL OF THE AUTHORITY

Radio Recept/End User		Call Sign	Portable Radio	Base Radio
MMDA				
1	Chairman	Metro 6	1	
2	General Manager (GM)	Metro 2	1	
3	Assistant General Manager (AGM)	Metro 3	1	
4	Ramon Santiago	Metro 7	1	
Flood Control Group				
5	Baltazar N. Melgar	Neptune 6	1	
6	Michael Doce	Neptune 3	1	
7	Maxima M. Quiambao	EFCOS 1	1	
8	EFCOS	EFCOS		1
9	FCIC	FCIC		1
10	FCIC Asst. Head	FCIC 2	1	
11	EMD, Head	Neptune 4	1	
12	B. Villanueva (EMD, Napindan Eqpt. Yard)	Neptune 41	1	
13	E. Aban (EMD, 105 Base)	Neptune 42	1	
14	O. Lacorte			
14	Dick Arenas (1NMMFCOD)	Neptune 10	1	
15	Tony Abayon (2NMMFCOD)	Neptune 11	1	
16	Enrico Capistrano (1 EMMFCOD)	Neptune 12	1	
17	Nelson Cabigas (2 EMMFCOD)	Neptune 13	1	
18	Tess Vergara (QC1FCOD)	Neptune 14	1	
19	Nolland Baduel (QC2FCOD)	Neptune 15	1	
20	Savideo Abello (NMFCOD)	Neptune 16	1	
21	Joel Pascua (CMFCOD)	Neptune 17	1	
22	Alex Mohammad (SMFCOD)	Neptune 18	1	
23	Eduardo Arguilles (1 SMMFCOD)	Neptune 19	1	
24	Nancy Lucinario (2 SMMFCOD)	Neptune 20	1	
Other Offices or Units				
25	Optn. Control & Monitoring Grp, OAGMO	Metro Base		1
26	HPSEPO-PSD	Papa Sierra	1	
27	TDO Road Emergency Group	Romeo Echo	1	

Radio Receptient/End User		Call Sign	Portable Radio	Base Radio
Metro Local Government Units				
28	Caloocan City	Caloocan		1
29	Las Piñas City	Las Pinas		1
30	Makati City	Makati		1
31	Malabon City	Malabon		1
32	Mandaluyong City	Mandaluyong		1
33	Manila City	Manila		1
34	Marikina City	Marikina		1
35	Muntinlupa City	Muntinlupa		1
36	Navotas City	Navotas		1
37	Paranaque City	Paranaque		1
38	Pasay City	Pasay		1
39	Pasig City	Pasig		1
40	Pateros Town	Pateros		1
41	Quezon City	Quezon		1
42	San Juan City	San Juan		1
43	Taguig City	Tagig		1
44	Valenzuela City	Valenzuela		1
Flood Control Bayanihan Zone				
45	Bayanihan Zone 1&2	Bayanihan 1	1	
46	Bayanihan Zone 3	Bayanihan 3	1	
47	Bayanihan Zone 4	Bayanihan 4	1	
48	Bayanihan Zone 5&6	Bayanihan 5	1	
49	Bayanihan Zone 7	Bayanihan 7	1	
50	Bayanihan Zone 8	Bayanihan 8	1	
51	Bayanihan Zone 9	Bayanihan 9	1	
52	Bayanihan Zone 10	Bayanihan 10	1	
MMDRRM ORGANIZATIONS				
53	DPWH NCR	Crane		1
54	DOH-NCRO	Mercury	1	
55	DSWD-NCR	Dromic		1
56	DEP-ED NCR	Teacher		1
57	NDRRMC-OCD	Central		1
58	OCD-NCR	NCR Base		1
59	Bureau of Fire Protection	Leo Base		1
60	Meralco	Lineman		1
61	Red Cross	Red Cross		1
62	GMA News	GMA News		1
63	NCRPO	Guardian		1
64	NCRCOM	NCRCOM		1
65	MOVERS (Frequency Host Volunteer)	Movers		1
66	PAGASA	Astro	1	
67	PHIVOLCS	Zeus	1	

Radio Receptient/End User		Call Sign	Portable Radio	Base Radio
MMDRRM ORGANIZATIONS				
68	CHED NCR	Master	1	
69	DILG NCR	Plato	1	

Note:

Bayanihan Zone 1&2 - Sampaloc Area

Bayanihan Zone 3 - Makati Diversion Channel, South Superhighway, Buendia and its vicinity

Bayanihan Zone 4 - Maysilo Circle, Boni Ave. and its vicinity, Mandaluyong City

Bayanihan Zone 5&6 - Kalentong St., New Panadero St., Shaw Blvd., Acacia Lane, Mandaluyong City

Bayanihan Zone 7 - Barangay Salapan & Balong Bato, San Juan City

Bayanihan Zone 8 - Brgy. Dna. Imelda, Dmayan Lagi, Tatalon and Talayan, Quezon City

C. MINIMUM STANDARD OF TOOLS, EQUIPMENT AND ACCESSORIES FOR SEARCH AND RESCUE

Tools, Equipment and Accessories (TEAs) for Search and Rescue Sector

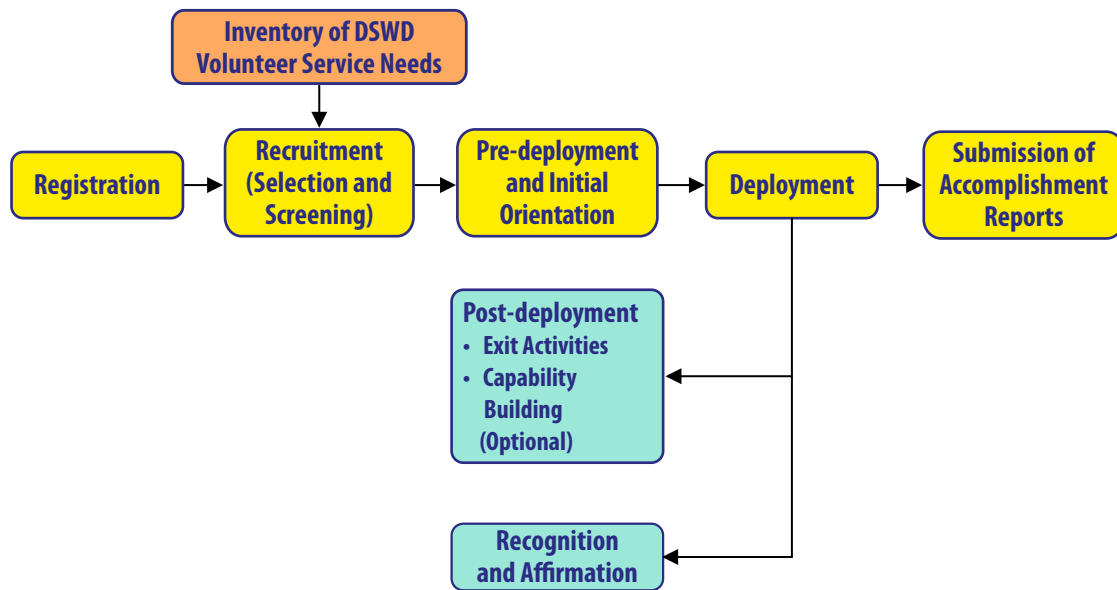
Reference: CSSR Course- NDRRMC NSET-PEER Program

Note: Mandatory to have these TEAs per DRETFSU

PARTICULARS	QUANTITY/PCS.	PARTICULARS	QUANTITY/PCS.
Backboard straps	8	Come-along, rescue type, 3,400-lb. (1,400-kg) capacity	4
Backboard, long	2	Crowbar, 24-inch (60 cm)	4
Bolt-cutter, 14-inch	2	Drill bits (electric) for metal/wood, minimum 1.25-cm diameter, 15 cm long	8
Bolt-cutter, 30-inch	2	Drill, electric, reversible w/ 1/2-inch chuck	2
Bucket	4	Extension cord, 30 metres long, 15 amp	4
Carpenter's square, 30-cm minimum length	8	Fire extinguisher, 20 lbs. dry chemical, Type BC	2
Cervical collar (adult/infant)	2	Fuel containers, suitable for mixing gasoline and oil	4
Chain saw replacement chain	4	Gasoline	190 litres
Chainsaws, gas or electric, 18-inch (45-cm) minimum	3	Generator, portable, 2,500 watts	4
Chipping hammer bits, flat, 30-45 cm long, 2.5-5 cm wide	4	Hacksaw replacement blades	20
Chipping hammer bits, pointed 30-45 cm long	4	Hacksaw, 25-30 cm (10-12 inch) blade	5
Chipping hammer, 115 V, 10 amps	4	Hammer drill, 115 V, 10.5 amps, 18 lbs.	4
Chisel, diamond-point, 1 cm (3/8-inch) point	4	Hammers (standard carpenter's)	8
Chisel, flat, 1.25 to 2.5 cm (1/2 to 1 inch) wide	4	Hydraulic jack, 12-ton	4
Circular saw blade replacements, for cutting wood (carbide tip)	4	Keyhole saw, 15-cm minimum blade	4
Circular saw, 15 amps, 26 cm (10-1/4 inch) blade	3	Latex gloves	30 pairs
		Levels, 60-cm (24-inch)	8
		Lighting equipment	4

PARTICULARS	QUANTITY/PCS.	PARTICULARS	QUANTITY/PCS.
Medical First Responder box, complete	1	Optional Items	
Megaphone	2	Air chisel bits, diamond point (min. 30 cm long)	4
Nails, 12 cm long	10 kg.	Air Chisel bits, flat point	4
Nails, 6 cm long	10 kg.	Air gun, 90 psi	4
Oil, two-cycle motor	4 litres	Compressed air bottles	4
Oxygen delivery equipment	1	Fan for confined spaces, electric	2
Pencils, carpenter's	20	Safety cones	10
Pry bar, 6-ft. (1.85 m)	16	Air gun, 90 psi	4
Radios, portable, for point-to-point communications	10	Tool Kit Quantity	
Reciprocating saw replacement blades, for cutting metal	10	Crescent wrench, 30-cm. (12-inch)	2
Reciprocating saw replacement blades, for cutting wood	10	Screwdriver set, slot and Philips head (various sizes)	4
Reciprocating saw, 120V, 4 amps.	4	Wood Supplies- Good lumber: (for shoring purposes)	
Rotary hammer drill bits, 5-cm diameter, 40-cm minimum	8	10 cm x 10 cm x 3 m.	34
Rotary rescue saw replacement blades, for cutting concrete	8	5 cm x 10 cm x 3 m.	40
Rotary rescue saw replacement blades, for cutting metal	8	5 cm x 10 cm x 5 m.	15
Rotary rescue saw replacement blades, for cutting wood	2	10 cm x 10 cm x 5 m.	14
Rotary rescue saw, 30-cm (12-inch) blade	5	1.2 m x 2.4 m x 1.25-1.9 cms (1/2-3/4 in.) plywood sheets	10
Safety vest	2		
Saw, 60-cm blade	5		
Scene tape roll	150 m.		
Shovels, rounded or spade	4		
Sledgehammer, 4.5–6 kg. (10-12 lbs.)	8		
Spray paint cans, international fluorescent orange	4		
Tape measure, metric, 10-metre minimum	8		
Tarps, 4 x 4 metres (minimum)	4		
Tarps, 6 x 6 metres (minimum)	10		
Thermos (drinking water), min. 10-litre capacity	4		
Tin snips	4		
Pliers in tool kit	2		

D. DSWD VOLUNTEER ENGAGEMENT PROCESS



1. Registration – an individual or organization registers on-line or walk-in.

2. Recruitment – involves selection or matching of the DSWD’s volunteer service needs against the skills, qualifications, preferences, etc. of registered volunteers. The screening process is to ensure that a volunteer meet the specified criteria and is fit for the volunteer work. Note: In an emergency setting, the procedures for recruitment may be temporarily waived and expedited.

3. Pre-deployment and Initial Orientation - the conduct of pre-deployment general orientation to volunteers using an orientation module that contains:

- *DSWD’s Vision, Mission, Goals, Programs and Services*
- *Orientation on volunteerism*
- *Specific office policies to be observed by the volunteers throughout the deployment period*
- *Specific work/services needed and output expected*
- *Duties and responsibilities of volunteers*

4. Deployment – the actual deployment of volunteer to work area under a supervisor. The supervisor shall conduct onsite or specific orientation about the programs or services and may provide training and/or demonstration of work. The volunteer is expected to observe logging of attendance, follow DSWD’s policies and procedures, and comply with agreed work plan, if there is.

5. Submission of Accomplishment Reports – the volunteer is expected to submit, to and as agreed with the supervisor, accomplishment reports using a provided template during and after deployment.

6. Post-deployment – conduct of exit activities such as interviews, reflection sessions, debriefing, or redress of grievance to volunteers. Capability-building activities may be provided for continuing volunteers.

7. Recognition and Affirmation – individual volunteer or organization who have rendered volunteer work regardless of duration shall be provided with a Certificate of Appreciation.

Implementing Guidelines

1. Submission of Needs for Volunteer Service

1.1. The Program Management Bureau (PMB) shall recommend to SWIDB possible areas of work for

deployment of volunteers along their programs and projects quarterly every first Friday of the first month of the quarter.

- 1.2. The Standards Bureau (SB) shall likewise recommend to SWIDB possible areas of work for deployment of volunteers to registered, licensed and accredited Social Welfare and Development Agencies using the template provided.
- 1.3. The HRMDS shall likewise submit to SWIDB a quarterly inventory of needs every 1st Friday of the 1st months of the quarter using the template provided. The inventory shall include office works needing volunteers such as administrative and technical work (i.e., conducting analytical studies, research, information technology and clerical) in coordination with other Bureaus (other than PMB and SB) and Services in the Central Office needing such volunteers.
- 1.4. At the Field Office, the request for volunteers shall be submitted to the IDU.

2. Social Marketing

- 1.1. The Social Marketing Service or Unit at Central and Field Office respectively, in coordination with the BBDO or RBBDOs, shall be responsible for the information dissemination on the volunteer program using all available media highlighting volunteer work opportunities of the Department. The promotion of volunteer program shall be included on the SMS's yearly advocacy plan to cover the four (4) deployment areas for volunteers as covered in Section VI.
- 1.2. The SWIDB, in coordination with SMS, shall upload in the VRP website the list of events or activities in the CO needing volunteers. The consolidated needs for volunteer service forwarded to SWIDB can likewise be packaged and promoted by SMS to further promote the need for volunteers.
- 1.3. The IDU, in coordination with SMU, shall advertise using all available media the list of events or activities in the FO needing volunteers.

3. Registration - The registration has two modes, namely online and walk-in:

1.1. Online Registry

- 1.1.1. The program has installed an online registry of volunteers through the Volunteer Registry Plus (VRP). The VRP shall be utilized for matching of volunteers' skills, interest, and location with the required services.
- 1.1.2. SWIDB shall be responsible for the web-content management of VRP to include but not limited to updating of RBBDO Directory, feature articles on volunteerism, announcements etc. SWIDB as the Secretariat shall have full access to the VRP database.
- 1.1.3. The MISS shall host and administer the VRP and provide authorized user an access to its Content Management System (CMS). Based on the recommendations of SWIDB, MISS shall upgrade the VRP from time to time to ensure relevance to current needs.
- 1.1.4. The RBBDOs shall have full access to the list of registered volunteers. The RMISU shall provide technical assistance to the RBBDOs in accessing the list of volunteers and in the management of the VRP website. BBDO/RBBDOs shall contact registered volunteers for screening and possible deployment in the FOs. Further, RBBDOs shall supply necessary information to SMU for articles to be featured in the VRP website.

1.2. Walk-In

- 1.1.1. Interested individuals and organizations can also register as walk-in volunteers if they are unable to register online. They will be requested to fill-up the revised registration form, content of which is the same as the on-line registration form.
- 1.1.2. The BBDO and RBBDOs shall add the profile of the walk-in volunteers to the registry of volunteers through the VRP for assignment of an account of volunteers recruited for the period.
- 1.1.3. In times of disaster, the BBDO and RBBDOs shall utilize/explore all local and manual modes of recruitment available in the area because electricity may not be available during and after the onslaught of a disaster.

1.3. Selection and Screening - The BBDO/RBBDOs shall take charge of the screening and selection of qualified volunteers guided by the following:

- 1.1.1. Volunteers must meet the following basic criteria:
 - a. Must be at least 15 years of age, provided those who are at least 15 to below 18 years old

- may be eligible to volunteer only in non-hazardous and simple activities;
 - b. Must be willing to commit his/her time, resources and/or talent and be assigned to a specific work without material or financial remuneration;
 - c. Must be willing to learn and undergo training on volunteerism and specialized skills, if needed;
 - d. Must be willing to abide by the policies of the respective assignment/deployment areas;
 - e. Must present any valid ID for identification such as school, company or government-issued ID;
 - f. Must have at least two (2) character reference and a Barangay Clearance where he/she resides;
 - g. Must be physically and mentally capable to render volunteer work. If warranted, this must be certified by a licensed physician or a psychologist;
 - h. For foreigners outside of the Peace Corps program interested to be volunteers, a clearance from the Philippine National Volunteer Service Coordinating Agency (PNVSCA) and a proof of legality of stay in the Philippines are required.
- 1.1.2. The BBDO and RBBDOs shall preside in the selection from the registered volunteers.
 - 1.1.3. The residence of each volunteer must be considered as one of the criteria for deployment to maximize the effectiveness of active volunteers' participation.
 - 1.1.4. For volunteers interested to render service in centers and institutions, RBBDOs must refer them to the Center Heads to ensure the fitness of prospective volunteers with respect to the clientele groups. The same shall apply to community-based programs.
 - 1.1.5. The BBDO/RBBDOs shall respond to email and telephone inquiries of volunteers. The MISS shall ensure the automated acknowledgment of online registrants.

Note: In an emergency setting, the procedures for screening and selection may be temporarily waived and expedited by the BBDO and the RBBDOs. However, a filled-up registration form with waiver and orientation are mandatory.

A. Pre-deployment and Initial Orientation of Volunteers

The BBDO/RBBDOs, as focal person for the program shall conduct pre-deployment general orientation to qualified volunteers using the orientation module developed by SWIDB on areas such as;

- a. DSWD's Vision, Mission, Goals, Programs and services
- b. Orientation on volunteerism
- c. Specific office policies to be observed by the volunteers throughout the deployment period, e.g. wearing of I.D., nonsmoking and non-loitering inside DSWD premises, etc.
- d. Output required and specific work/services needed
- e. Duties and responsibilities of volunteers:
 - i. Perform the assigned tasks under supervision of DSWD Staff
 - ii. Observe/respect DSWD's policies and procedures especially in relation to confidentiality of cases
 - iii. Attend trainings, orientation, briefing and other capability building activities which will be provided by DSWD when needed
 - iv. Attend regular meeting, consultations, dialogues and supervising conferences/sessions as need arises
 - v. Submit accomplishment reports in relation to volunteer Service
- f. The BBDO/RBBDOs shall prepare and facilitate the execution of MOA for group or corporate volunteers or VSOs detailing the terms of reference of volunteer work.
- g. Once deployment orientation is done and the necessary documents are submitted, BBDO/RBBDOs shall prepare the list of qualified volunteers ready for deployment and communicate/refer the same to concerned offices.

B. Deployment of Volunteers

- a. At the CO level, BBDO shall recommend to the concerned OBSUs needing volunteer service all

- qualified volunteers ready for deployment. Same task is expected from the RBBDOs at the Field Office once there are screened volunteers ready for deployment to the concerned units of the office.
- b. The volunteer shall prepare a work plan in collaboration and agreement with his/her supervisor. The duration of volunteer work shall be based upon the mutually agreed work plan between the volunteer and his/her supervisor.
 - c. The BBDO/RBBDOs shall provide temporary identification cards to all volunteers. The name of the volunteer, duration of volunteer work and area of deployment must be indicated in the ID. The ID must be returned to BBDO/RBBDOs when the volunteer leaves the program.
 - d. At the CO, the head of OBSUs shall act as the supervisor and shall designate a staff who will act as the immediate supervisor of volunteers. At the FO, the SWAD Team Leader or Center Heads and Personnel Unit Head shall act as the supervisor and may designate a staff who will act as the immediate supervisor of volunteers. Both the supervisor and the assigned immediate supervisor assume full responsibility for volunteers even in times of disaster operations. The supervisor and the immediate supervisor are responsible for the following:
 - i. Conduct of onsite or office-based orientation specific to the programs and services;
 - ii. Impose measures for the security of volunteers, center/institution residents and the Department;
 - iii. Provide training and/or actual demonstration of work whenever necessary;
 - iv. Ensure the work area of the volunteers is provided with the necessary logistical support, etc e.g., tables, chairs, and water dispenser especially if there is a big group of volunteers;
 - v. Monitoring of attendance and tracking of hours and service rendered
 - vi. Tracking of volunteers' work accomplishment in compliance with the submitted work plan; Evaluation of volunteers' actual work condition in compliance with the volunteers' terms of reference;
 - vii. Re-planning if necessary.
 - viii. Refer to BBDO or RBBDO to facilitate the redress of grievance of volunteers as well as grievance of client beneficiaries against volunteers, if any.

C. Post-deployment of Volunteers

- a. The BBDO/RBBDOs, as focal person for the program shall ensure the following:
 - i. Facilitate the redress of grievance of volunteers as well as grievance of client-beneficiaries against volunteers, if any, and refer grievance to the NBBMC/RBBMC Chairperson, if necessary;
 - ii. Conduct post-deployment exit activities such as interviews, debriefing or reflection sessions to all deployed volunteers in order to ensure that volunteers were debriefed and pertinent post evaluation engagement has been conducted. Debriefing sessions will process and thresh out issues encountered in the course of deployment of a volunteer.
 - iii. For continuing volunteers, capability-building activities may be provided by BBDO/RBBDOs in order to upgrade the volunteers' knowledge, attitude and skills on specific area/topic.

D. Reporting

- a. The volunteer shall submit accomplishment report using Volunteer Accomplishment Report template to be submitted to his/her supervisor based on agreed timelines. The volunteer accomplishment reports as well as the attendance sheets shall serve as the bases for OBSUs and units/centers/institutions in their preparation and submission of reports to BBDO and RBBDOs, respectively.
- b. A semestral report shall be submitted by the different OBSUs to the BBDO at the CO, and by the different units/centers/institutions to the RBBDOs at the FOs. The report shall include both narrative and statistical accomplishments. This shall be collected on the 10th day of the last month of the covered semester. The RBBDOs shall submit reports to SWIDB every 30th of June and November of the year. The received reports shall be the basis for SWIDB on coming up with a national accomplishment report on the program for the management and to be submitted to PNVSCA.

E. POLICY AND GUIDELINE OF REPORTING, MONITORING AND EVALUATION WITHIN THE DPWH-NCR

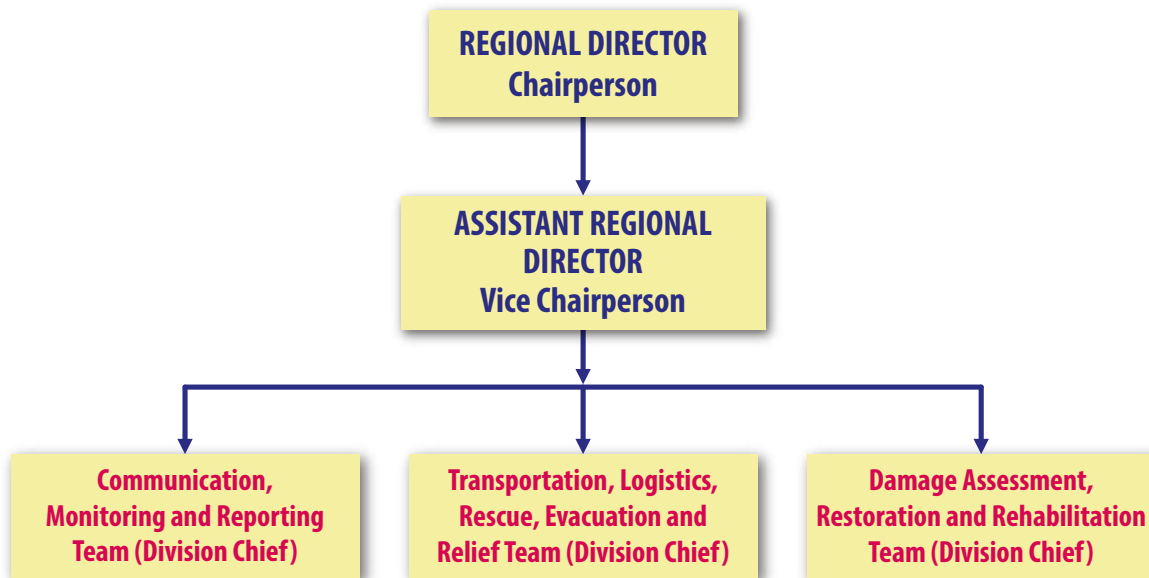


Figure 1. Organizational Structure: Regional DPWH DRRMT

As shown in the figure above, the DPWH-NCR Director is the **Chairperson** with the following functions:

1. Prepares a comprehensive and detailed Regional Disaster Preparedness Operation Plan and oversees its full and efficient implementation.
2. Activates the Regional Disaster Operations Center upon warning of an impending disaster, and submit to the DPWH Central Disaster Risk Reduction Management (CDRRM) the activation form complete with names of personnel.
3. Directs, reports, and monitors all disaster operations and rehabilitation activities within his jurisdiction.
4. Coordinates with the Metro Manila Disaster Risk Reduction Management Council, to ensure proper responses and consistency in terms of situational reporting, and to provide appropriate support or assistance, as may be required/necessary.
5. Maintains direct linkage with the CDRRM through the Bureau of Maintenance to ensure expedient, fast and timely delivery of status reports/updates.
6. Ensures the validity and accuracy of all reports before submission to CDRRM.
7. Submits daily reports through fastest possible means; e.g. fax, mobile phones, internet the needed reports on disaster operations, situational updates, restoration works and rehabilitation activities to be supported with pictures taken before, during and after or videos and initial estimate of restoration/ rehabilitation cost on infrastructure damages.
8. Sees to it that all field teams are equipped with the prescribed standard safety gadgets e.g. reflectorized life vest, hard hats, rain coats, boots, flashlights, emergency tool kits, equipment and mobile communication units, e.g. cellphone, two (2)-way radio.
9. Performs other duties that will be assigned from time to time regarding disaster operation/restoration works.

Under the Regional Director, DPWH-NCR Assistant Director is the **Vice-Chairperson** with the following functions:

1. Exercises direct supervision and control of all emergency operations.
2. Ensures that the Regional Operations Center is activated on time and manned 24/7 with all the teams prepared for their assigned tasks.

3. Oversees the timely preparation and submission of disaster situational reports to the Office of the Regional Chairperson.
4. Performs duties that will be assigned by the Chairperson relative to disaster and risk reduction management.

The regional organization is divided into three teams, namely: Communication, Monitoring and Reporting Team; Transport, Logistics, Rescue, Evacuation, and Relief Team; and the Damage Assessment, Restoration, and Rehabilitation Team. The aforementioned teams are headed by their respective division chiefs. **The Communication, Monitoring and Reporting Team Leader** has the following functions:

1. Activates immediately the Communications, Monitoring and Reporting Team which shall be composed preferably of a Section Chief and minimum of two (2) other technical personnel who shall be on a 24/7-3 shifts upon warning of an impending disaster.
2. Ensures that the Regional Operations Center is activated and manned 24/7. An hourly report is submitted to the RDRRM complete with information on the extent of damages as well as the corresponding estimated restoration/rehabilitation cost.
3. Monitors the field/district offices on a timely submission of status of any damages within their area of responsibility complete with pictures/videos and updates.
4. Assists the Regional Chairperson and Assistant Chairperson in the timely preparation and submission of disaster situational reports to the CDRRM.
5. Ensures that the Regional Operation Center is adequately equipped with communication facilities/equipment; e.g. computer set, printer, fax machine, internet, xerox machine, generator set, telephone, service vehicles, etc. for easy linkage with the CDRRM.
6. Performs duties that might be assigned by the Regional Chairperson relative to disaster and risk reduction management.

The **Team Leader for Transport, Logistics, Rescue, Evacuation, and Relief** has the following functions:

1. Activates immediately the Transportation Logistics, Rescue, Evacuation and Relief Team that shall be composed of a minimum of Six (6) personnel preferably a Section chief and five (5) other technical personnel upon warning of an impending disaster.
2. Ensures that all equipment in the Regional Equipment Services/Areas to be assigned during disasters are roadworthy or in good running condition/operational and have adequate fuel, lubricants & new batteries and must be ready for deployment anytime.
3. Keeps an inventory of all available equipment in the region that will be used in the rescue and evacuation operations.
4. Submits daily status report of equipment deployed and manpower involved in the disaster operations; e.g removal of landslides, clearing of fallen trees, restoration works of road cuts, etc.
5. Identifies the safest alternate route to be used during rescue operations or emergency situation; and to be provided with informative signs for proper guidance to all motorists.
6. Ensures that roadworthy equipment and service vehicles are used in the rescue and evacuation operations as well as during the distribution of relief.
7. Keeps a pool of experienced drivers and mechanics on standby in times of disasters.
8. Keeps an inventory of all available materials for restoration works of all damages to infrastructures.
9. Performs other duties that will be assigned by the Chairperson relative to disaster and risk reduction management

The **Team Leader for Damage Assessment, Restoration, and Rehabilitation** shall have the following functions:

1. Activates immediately the Damage Assessment, Restoration/ Rehabilitation Team which shall be composed of a minimum of three (3) personnel preferably a Section chief, and a minimum of two (2) other technical personnel upon warning of an impending disaster.
2. Guides all reports on infrastructure damages submitted by the district/field offices prior to forwarding

same to the CDRRM.

3. Guides the district/field offices to submit a rehabilitation plan containing therein the nature & extent of damages, location/name of project, initial recommendation, time frame (i.e. start & completion dates) and its corresponding cost of restoration/rehabilitation works.
4. Performs other duties that will be assigned by the Chairperson relative to disaster risk reduction management

It must be noted that the NCR DRRM Team of the DPWH is part and parcel of national DRRM Team of the said department, with Secretary as National Chairperson. More importantly, the District offices have corresponding DRRM Teams, which are basically the implementing arm of the Regional DPWH offices. Like Local Government Units (LGUs), the DPWH District offices are the first line of response in the DPWH structure.

F. DEPLOYMENT OF DRTS FROM OTHER REGIONAL HEALTH OFFICES AND AUGMENTATION OF LOGISTIC TO VARIOUS DOH RETAINED HOSPITALS.

Quadrant/ HOSPITALS	DIRECTOR/COORDINATOR (FOR REGULAR UPDATING)	ASSISTING REGION	DIRECTOR/COORDINATOR OF ASSISTING REGION
NORTH			
	VALENZUELA, CALOOCAN, SAN JUAN, MANDALUYONG, QUEZON CITY	REGION 2	RIO MAGPANTAY , MD, MPH, DTM, NH Director IV SHIRLYN PEREZ,MT RHEMS Coordinator
		CAR	VALERIANO V. LOPEZ, MD OIC, Director IV ELNORIA G. BUGNOSEN, RN RHEMS Coordinator
VALENZUELA MEDICAL CENTER Padrigal St., Karuhatan, Valenzuela City	DR. MARIO C. PANAY District Health Officer II		
	DR. MARY GRACE H.REYES HHEMS Coordinator		
DR. JOSE N. RODRIGUEZ MEMORIAL HOSPITAL Tala, Caloocan City	DR. EDGARDO S.A. JAVILLONAR Chief of Sanitarium III		
	DR. ALFONSO FAMARAN HHEMS Coordinator		
EAST AVENUE MEDICAL CENTER East Avenue, Quezon City	ROLAND L. CORTEZ, MD, FPCHA MHA, CESO IV, CEO VI Medical Center Chief II		
	ALFONSO G. NUNEZ, MD HHEMS Coordinator		
NATIONAL CHILDREN'S HOSPITAL E. Rodriguez, Quezon City	EPIFANIA SIMBUL, MD Medial Center Chief II		
	CELIA C. PANGAN, RN HHEMS Coordinator		

Quadrant/ HOSPITALS	DIRECTOR/COORDINATOR (FOR REGULAR UPDATING)	ASSISTING REGION	DIRECTOR/ COORDINATOR OF ASSISTING REGION
NORTH			
PHILIPPINE ORTHOPEDIC CENTER Banawe Quezon City	JOSE BITTANIO PUJALTE, MD, MHA, CESE OIC, Medical Center Chief II		
	RYAN A. CARNERO, MD HHEMS Coordinator		
QUIRINO MEMORIAL MEDICAL CENTER Project 4 Quezon City	ANGELES T. DE LEON, MD DPBA, MMHA, MHSA Medical Center Chief II		
	ALBERT A. CAPUNO, MD HHEMS Coordinator		
LUNG CENTER OF THE PHILIPPINES Quezon Avenue, Quezon City	DR. JOSE LUIS J. DANGUILAN Executive Director		
	DR. DAVID F. GEOLLEGUE HHEMS Coordinator		
NATIONAL CENTER FOR MENTAL HEALTH Nueve de Pebrero St., Mandaluyong City	DR. BERNARDINO A. VICENTE Medical Center Chief II		
	DR. ROMEO J. SABADO HEMS Coordinator		
NATIONAL CHILDRENS HOSPITAL E. Rodriguez Sr. Avenue, Quezon City	Dr. Epifania Simbul Medical Center Chief II		
	MS. CELIA C. PANGAN, RN HEMS Coordinator		
NATIONAL KIDNEY & TRANSPLANT INSTITUTE Quezon Avenue, Quezon City	JOSE DANTE P. DATOR, MD Executive Director Noel Polero (Dr. Dator's Exec Asst)		
	ENRICO P. RAGAZA, MD HHEMS Coordinator		
PHILIPPINES CHILDRENS MEDICAL CENTER Quezon Avenue, Quezon City	JULIUS LECCIONES, MHSA, MPM, CEO III Executive Director		
	MA. VICTORIA C. RIBAYA, MD HHEMS Coordinator		
PHILIPPINE HEART CENTER East Ave. Quezon City	MANUEL T. CHUA CHIACO, Jr ,MD, Executive Director		
	ELMER BENEDICT E. COLLONG, RN HHEMS Coordinator		

Quadrant/ HOSPITALS	DIRECTOR/COORDINATOR (FOR REGULAR UPDATING)	ASSISTING REGION	DIRECTOR/ COORDINATOR OF ASSISTING REGION		
EAST					
	PASIG, MARIKINA	REGION 01	MYRNA C. CABOTAJE Director IV ROSARIO P. PAMINTUAN, MD, MDH, PHSAE RHEMS Coordinator		
		REGION 5	GLORIA BALBOA ,MD, CEO VI, CESO III Director ROSA MARIA B. REMPILLO, MD, MCHM RHEMS Coordinator		
		REGION 12	TEOGENES F. BALUMA, MD Director IV LEO A. CHIONG, RN, MPH RHEMS Coordinator		
RIZAL MEDICAL CENTER Pasig City	RELITO M. SAQUILAYAN, MD Medical Center Chief				
	ROEL TITO A. MARCIAL, MD HHEMS Coordinator				
AMANG RODRIGUEZ MEDICAL CENTER Sumulong Hi-way, Sto.Niño, Marikina City	EMMANUEL M. BUENO, MD, FPCS Medical Center Chief II				
	ROMEL T. MENGUITO , MD HHEMS Coordinator				
WEST					
	MANILA , MALABON , NAVOTAS			REGION 6	MARLYN W. CONVOCAR, MD Director IV FLORD'LYN B. GALLARDO,RN MAN RHEMS Coordinator
		REGION 11	ABDULLAH B. DUMAMA JR., MD, MPA, CEO VI Director IV PAULO S. PANTOJAN, MD RHEMS Coordinator		
DR. JOSE FABELLA MEMORIAL HOSPITAL Lope de Vega, Sta. Cruz, Manila	RUBEN C. FLORES, MD, MHA Medical Center Chief II				
	ROMEO A. BITUIN, MD HHEMS Coordinator				

Quadrant/ HOSPITALS	DIRECTOR/COORDINATOR (FOR REGULAR UPDATING)	ASSISTING REGION	DIRECTOR/ COORDINATOR OF ASSISTING REGION
WEST			
SAN LAZARO HOSPITAL Address: Quiricada St., Sta. Cruz, Manila	WINSTON S. GO, MD Medical Center Chief		
	ALEXIS Q. DIMAPILIS, MD HHEMS Coordinator		
TONDO MEDICAL CENTER Balut, Tondo, Manila	CRISTINA V. ACUESTA, MD Medical Center Chief		
	MYRNA T. RIVERA, MD HHEMS Coordinator		
DR. JOSE R. REYES MEMORIAL MEDICAL CENTER Rizal Avenue, Sta. Cruz, Manila	EMMANUEL MONTAÑA JR.,MD Medical Center Chief II		
	ENRICO A. DE JESUS,MD, MS III HHEMS Coordinator		
SAN LORENZO RUIZ WOMEN'S HOSPITAL O. Reyes St. Malabon, Metro Manila	MARIA ISABELITA M. ESTRELLA MD, MHA, FPOGS, CESE Chief of Hospital I		
	NOEL D. VALDERRAMA, MD HHEMS Coordinator		
SOUTH			
	MAKATI, PATEROS, TAGUIG, PARANAQUE, LAS PINAS, MUNTINLUPA, PASAY	REGION 7	JAIME BERNADAS, MD Director IV EXPEDITO A. MEDALLA, DMD RHEMS Coordinator
LAS PINAS GENERAL AND SATELLITE TRAUMA CENTER Las Pinas City	EDMUNDO B. LOPEZ MD, MDH, MHA District Health Officer II		
	RODRIGO H. HAO,MD, DHO I HHEMS Coordinator		

G. REFERRING GOVERNMENT AND PRIVATE HOSPITALS OUTSIDE METRO MANILA AND THEIR BED CAPACITIES

REGION 1 (ILOCOS REGION) 4 PROVINCES					
	PROVINCES	NAME OF HOSPITAL	PUBLIC/PRIVATE	BED CAPACITY	
1	ILOCOS NORTE	BAGUI DISTRICT HOSPITAL	PUBLIC (PROV)	25	
2		DINGRAS DISTRICT HOSPITAL	PUBLIC (PROV)	25	
3		DOÑA JOSEFA E. MARCOS DISTRICT HOSPITAL	PUBLIC (PROV)	25	
4	BATAK CITY	MARIANO MARCOS MEMORIAL & MEDICAL CENTER	PUBLIC (DOH RETAINED)	200	
5	LAOAG CITY	GOV.ROQUE B. ABAL SR. MEMORIAL HOSPITAL	PUBLIC	100	
6		LAOAG CITY GENERAL HOSPITAL	PUBLIC (CITY)	50	
7	ILOCOS SUR	BESSANG PASS MEMORIAL HOSPITAL	PUBLIC (PROV)	12	
8		MAGSINGAL DISTRICT HOSPITAL	PUBLIC (PROV)	25	
9		CENTRAL ILOCOS SUR DISTRICT HOSPITAL	PUBLIC (PROV)	50	
10		STA. LUCIA DISTRICT HOSPITAL	PUBLIC (PROV)	25	
11		SINAIT DISTRICT HOSPITAL	PUBLIC (PROV)	25	
12		TAGUDIN GENERAL HOSPITAL AND CAPILLARIASIS	PUBLIC (PROV)	50	
13	VIGAN CITY	GABRIELA SILANG GENERAL HOSPITAL	PUBLIC	100	
14	CANDON CITY	CITY OF CANDON HOSPITAL	PUBLIC	25	
15	LA UNION	LA UNION MEDICAL CENTER	PUBLIC	100	
16		BACNOTAN DISTRICT HOSPITAL	PUBLIC (PROV)	25	
17		BALAOAN DISTRICT HOSPITAL	PUBLIC (PROV)	25	
18		CABA MEDICARE COMMUNITY HOSPITAL	PUBLIC (PROV)	15	
19		NAGUILIAN DISTRICT HOSPITAL	PUBLIC (PROV)	25	
20		ROSARIO DISTRICT HOSPITAL	PUBLIC (PROV)	25	
21		ILOCOS TRAINING & REGIONAL MEDICAL CENTER	PUBLIC (DOH RETAINED)	200	
22		PANGASINAN	ASINGAN COMMUNITY HOSPITAL (SANTIAGO ABELLA GINEZ SR. MEMORIAL HOSPITAL)	PUBLIC (PROV)	15
23			BAYAMBANG DISTRICT HOSPITAL	PUBLIC (PROV)	50
24			BOLINAO MEDICAL CENTER	PUBLIC (PROV)	25
25			DASOL COMMUNITY HOSPITAL (former COL.DOMINGO A. VALDEZ MEMORIAL HOSPITAL)	PUBLIC (PROV)	20
26	LINGAYEN DISTRICT HOSPITAL (former DON MARIANO C. VERZOSA MEMORIAL HOSPITAL)		PUBLIC (PROV)	40	
27	MANAOAG COMMUNITY HOSPITAL		PUBLIC	25	
28	MANGATAREM DISTRICT HOSPITAL		PUBLIC (PROV)	25	
29	MAPANDAN COMMUNITY HOSPITAL		PUBLIC (PROV)	10	
30	POZORRUBIO COMMUNITY HOSPITAL		PUBLIC	10	
31	EASTERN PANGASINAN DISTRICT HOSPITAL		PUBLIC (PROV)	75	
32	UMINGAN COMMUNITY HOSPITAL	PUBLIC (PROV)	15		
33	ALAMINOS CITY	WESTERN PANGASINAN DISTRICT HOSPITAL	PUBLIC (PROV)	75	
34	DAGUPAN CITY	REGION I MEDICAL CENTER	PUBLIC (DOH RETAINED)	300	
35	SAN CARLOS CITY	PANGASINAN PROVINCIAL HOSPITAL	PUBLIC	150	
36	URDANETA CITY	URDANETA DISTRICT HOSPITAL (formerly DON AMADEO J. PEREZ SR. MEMORIAL GEN.HOSP.)	PUBLIC	50	
	TOTAL			2037	

REGION II (CAGAYAN VALLEY) 5 PROVINCES				
	PROVINCES	NAME OF HOSPITAL	PUBLIC/PRIVATE	BED CAPACITY
1	BATANES	BATANES GENRAL HOSPITAL	PUBLIC (DOH RETAINED)	75
2	CAGAYAN	APARRI DISTRICT HOSPITAL (forMERLY APARRI PROVINCIAL HOSPITAL)	PUBLIC	50
3		BALLESTEROS DISTRICT HOSPITAL	PUBLIC	25
4		MATILDE OLIVAS DISTRICT HOSPITAL	PUBLIC	25
5		PUYAOAN GENERAL HOSPITAL	PUBLIC	12
6		DR. TOMAS NOLASCO SR. MEM. HOSPITAL REPRODUCTIVE HEALTH CENTER	PUBLIC	10
7		ALFONSO PONCE ENRILE MEMORIAL HOSPITAL	PUBLIC	25
8		LASAM DISTRICT HOSPITAL	PUBLIC	25
9		NUESTRA SRA. DE PIAT DISTRICT HOSPITAL	PUBLIC	40
10		NORTHERN CAGAYAN DISTRICT HOSPITAL	PUBLIC	17
11		TUAO DISTRICT HOSPITAL	PUBLIC	25
12	TUGUEGARAO CITY	CAGAYAN VALLEY MEDICAL CENTER	PUBLIC (DOH RETAINED)	500
13		TUGUEGARAO CITY PEOPLE'S GENERAL HOSPITAL	PUBLIC	68
14	ISABELA	MILAGROS ALBANO DISTRICT HOSPITAL	PUBLIC	50
15		ECHAGUE DISTRICT HOSPITAL	PUBLIC	25
16		GOV. FAUSTINO N. DY SR. MEMORIAL HOSPITAL	PUBLIC	100
17		SAN ANTONIO MUNICIPAL HOSPITAL	PUBLIC	10
18		CAMP MELCHOR F. DELA CRUZ STATION HOSPITAL	PUBLIC (MILITARY)	30
19		PROSPERO G. BELLO INTEGRATED COMMUNITY HOSPITAL	PUBLIC	10
20		PALANAN STATION HOSPITAL	PUBLIC (MILITARY)	10
21		MANUEL A. ROXAS DISTRICT HOSPITAL	PUBLIC	50
22		SAN MARIANO MEDICARE COMMUNITY HOSPITAL	PUBLIC	10
23	CAUAYAN CITY	CAUAYAN DISTRICT HOSPITAL	PUBLIC	50
24	SANTIAGO CITY	SOUTHERN ISABELA GENERAL HOSPITAL	PUBLIC (DOH RETAINED)	50
25	NUEVA VIZCAYA	NUEVA VIZCAYA PROVINCIAL HOSPITAL	PUBLIC	123
26		VETERANS REGIONAL HOSPITAL	PUBLIC (DOH RETAINED)	200
27		DUPAX DISTRICT HOSPITAL	PUBLIC	17
28		KASIBU MUNICIPAL HOSPITAL	PUBLIC	10
29		LT. TIDANG MEMORIAL HOSPITAL	PUBLIC	15
30	QUIRINO	QUIRINO PROVINCIAL HOSPITAL	PUBLIC	100
31		DIFFUN DISTRICT HOSPITAL	PUBLIC	15
32		MADDELA MUNICIPAL HOSPITAL	PUBLIC	10
				1782

REGION III (CENTRAL LUZON) 7 PROVINCES

	PROVINCES	NAME OF HOSPITAL	PUBLIC/PRIVATE	BED CAPACITY
1	AURORA	AURORA MEMORIAL HOSPITAL	PUBLIC	49
2	BATAAN	JOSE C. PAYUMO JR. MEMORIAL HOSPITAL	PUBLIC	50
3		ORANI DISTRICT HOSPITAL	PUBLIC	45
4	BALANGA CITY	BATAAN PROVINCIAL HOSPITAL	PUBLIC (DOH RETAINED)	214
5	BULACAN	BALIUAG DISTRICT HOSPITAL	PUBLIC	75
6		GREGORIO DEL PILAR DISTRICT HOSPITAL	PUBLIC	25
7		CALUMPIT DISTRICT HOSPITAL	PUBLIC	25
8		OSPITAL NG GUIGUINTO	PUBLIC	25
9		EMILIO G. PEREZ MEMORIAL HOSPITAL	PUBLIC	50
10		NORZAGARAY MUNICIPAL HOSPITAL	PUBLIC	25
11		ROGACIANO M. MERCADO MEMORIAL HOSPITAL	PUBLIC	150
12		SAN MIGUEL DISTRICT HOSPITAL	PUBLIC	50
13	SAN JOSE DEL MONTE	OSPITAL NG LUNGSOD NG SAN JOSE DEL MONTE	PUBLIC	50
14	CITY	BULACAN MEDICAL CENTER	PUBLIC	300
15	MALOLOS CITY	BONGABON DISTRICT HOSPITAL	PUBLIC	50
16	NUEVA ECIIJA	GAPAN DISTRICT HOSPITAL	PUBLIC	25
17		GUIMBA DISTRICT HOSPITAL	PUBLIC	25
18		SAN ANTONIO DISTRICT HOSPITAL	PUBLIC	50
19		STO. DOMINGO DISTRICT HOSPITAL	PUBLIC	25
20		E.L. JOSON MEMORIAL HOSPITAL	PUBLIC	100
21	CABANATUAN CITY	DR. PAULINO J. GARCIA MEMORIAL RESEARCH & MEDICAL CENTER	PUBLIC (DOH RETAINED)	400
22		M.V. GALLEGRO CABANATUAN CITY GEN.HOSPITAL	PUBLIC	76
23	PALAYAN CITY	FORT MAGSAYSAY ARMY STATION HOSPITAL	PUBLIC (MILITARY)	50
24	SAN JOSE CITY	SAN JOSE CITY GENERAL HOSPITAL	PUBLIC	50
25	PAMPANGA	DR. EMIGDIO C. CRUZ, SR. MEMORIAL HOSPITAL	PUBLIC	25
26		AIRFORCE CITY HOSPITAL (formerly CLARK AIRBASE HOSPITAL)	PUBLIC (MILITARY)	25
27		BASA AIRBASE HOSPITAL	PUBLIC (MILITARY)	60
28		RICARDO P. RODRIGUEZ MEMORIAL HOSPITAL (Annex Specialty Hosp)	PUBLIC	25
29		ROMANA PANGAN DISTRICT HOSPITAL	PUBLIC	50
30		DIOSDADO MACAPAGAL MEMORIAL HOSPITAL	PUBLIC	75
31		ESCOLASTICA ROMERO DISTRICT HOSPITAL	PUBLIC	50
32		MABALACAT DISTRICT HOSPITAL	PUBLIC	25
33		DOMINGO B. FLORES DISTRICT HOSPITAL (formerly MACABEBE DISTRICT HOSPITAL)	PUBLIC	25
34		DR. ANDRES LUCIANO JR. MEMORIAL HOSPITAL (formerly BALITUCAN DISTRICT HOSPITAL)	PUBLIC	25
35		MEXICO COMMUNITY HOSPITAL	PRIVATE	50
36		JOSE SONGCO LAPID DISTRICT HOSPITAL	PUBLIC	48

REGION III (CENTRAL LUZON) 7 PROVINCES				
	PROVINCES	NAME OF HOSPITAL	PUBLIC/PRIVATE	BED CAPACITY
37		SAN LUIS DISTRICT HOSPITAL	PUBLIC	25
38	ANGELES CITY	RAFAEL LAZATIN MEMORIAL MEDICAL CENTER	PUBLIC	120
39	SAN FERNANDO CITY	RICARDO P. RODRIGUEZ MEMORIAL HOSPITAL	PUBLIC	25
40		JOSE B. LINGAD MEMORIAL REGIONAL HOSPITAL	PUBLIC (DOH RETAINED)	250
41	TARLAC	CONCEPCION DISTRICT HOSPITAL	PUBLIC	50
42		DR. EUTQUIO LI. ATANACIO, JR. MEMORIAL HOSPITAL	PUBLIC	18
43		GILBERTO O.TEODORO MEMORIAL HOSPITAL	PUBLIC	25
44		SALVADOR GENERAL HOSPITAL	PUBLIC	20
45		CAMP AQUINO STATION HOSPITAL	PUBLIC (MILITARY)	50
46		TARLAC PROVINCIAL HOSPITAL	PUBLIC	200
47	ZAMBALES	CANDELARIA DISTRICT HOSPITAL	PUBLIC	25
48		PRES. RAMON MAGSAYSAY MEMORIAL HOSPITAL	PUBLIC	150
49		SAN MARCELINO DISTRICT HOSPITAL	PUBLIC	89
50		OSPITAL NG STA. CRUZ	PUBLIC	15
51	OLONGAPO CITY	JAMES L. GORDON MEMORIAL HOSPITAL	PUBLIC	270
52		AFABLE MEDICAL CENTER	PUBLIC	16
				3815

REGION IV A (CALABARZON) 5 PROVINCES				
	PROVINCES	NAME OF HOSPITAL	PUBLIC/PRIVATE	BED CAPACITY
1	BATANGAS	DON MANUEL LOPEZ MEMO.DISTRICT HOSPITAL	PUBLIC	50
2		BAUAN GENERAL HOSPITAL	PUBLIC	45
3		MARTIN MARASIGAN MEMORIAL HOSPITAL	PUBLIC	25
4		BATANGAS PROVINCIAL HOSPITAL (formerly DON JUAN MAYUGA MEMORIAL HOSPITAL)	PUBLIC	50
5		LOBO MUNICIPAL HOSPITAL	PUBLIC (MUN)	14
6		APACIBLE MEMORIAL DISTRICT HOSPITAL	PUBLIC (DISTRICT)	50
7		DR. ROMEO I. ROSALES GENERAL HOSPITAL	PUBLIC	16
8		MAHAL NA VIRGEN MARIA STO. ROSARIO DISTRICT HOSPITAL	PUBLIC	30
9		SAN JOSE DISTRICT HOSPITAL	PUBLIC	25
10		SAN JUAN DISTRICT HOSPITAL	PUBLIC	25
11		BATANGAS REGIONAL HOSPITAL	PUBLIC (DOH RETAINED)	200
12	LIPA CITY	FERNANDO AIR BASE HOSPITAL	PUBLIC (MILITARY)	70
13		LIPA CITY DISTRICT HOSPITAL	PUBLIC	75
14	TANAUAN CITY	LAUREL MEMORIAL DISTRICT HOSPITAL	PUBLIC	25
15	CAVITE	BACOR DISTRICT HOSPITAL	PUBLIC	10
16		PAGAMUTANG BAYAN NG CARMONA	PUBLIC	15
17		GEN. TRIAS MEDICARE HOSPITAL	PUBLIC	10

REGION IV A (CALABARZON) 5 PROVINCES

	PROVINCES	NAME OF HOSPITAL	PUBLIC/PRIVATE	BED CAPACITY
18		KAWIT KALAYAAN HOSPITAL	PUBLIC	25
19		CAVITE MUNICIPAL HOSPITAL	PUBLIC	10
20	CAVITE CITY	DRA. OLIVIA SALAMANCA MEMORIAL DISTRICT HOSPITAL	PUBLIC	50
21	TRECE MARTIREZ CITY	CAVITE NAVAL HOSPITAL	PUBLIC (MILITARY)	100
22		GEN. EMILIO AGUINALDO MEM HOSPITAL	PUBLIC	284
23	LAGUNA	PAGAMUTANG PANGMASA NG LAGUNA	PUBLIC	25
24		OSPITAL NG BIÑAN	PUBLIC	50
25		OSPITAL NG CABUYAO	PUBLIC	40
26		UNIVERSITY HEALTH SERVICE	PUBLIC	30
27		LUISINA DISTRICT HOSPITAL	PUBLIC	50
28		MAJAYJAY MEDICARE HOSPITAL	PUBLIC	25
29		NAGCARLAN DISTRICT HOSPITAL	PUBLIC	25
30		GEN. J. CAILLES MEMORIAL DISTRICT HOSPITAL	PUBLIC	50
31		SAN PEDRO MUNICIPAL HOSPITAL	PUBLIC	10
32		SAN PEDRO JOSE L. AMANTE EMERGENCY HOSPITAL	PUBLIC	12
33		LAGUNA PROVINCIAL HOSPITAL	PUBLIC	150
34		SANTA ROSA COMMUNITY HOSPITAL	PUBLIC	83
35	SAN PABLO CITY	PANLALAWIGANG PAGAMUTAN NG LAGUNA	PUBLIC	100
36		SAN PABLO CITY GEN HOSPITAL	PUBLIC	32
37	CALAMBA CITY	DR. JOSE P. RIZAL MEMORIAL DISTRICT HOSPITAL	PUBLIC	100
38	QUEZON	ALABAT ISLAND DISTRICT HOSPITAL	PUBLIC	25
39		DOÑA MARTA MEM DISTRICT HOSPITAL	PUBLIC	50
40		BONDOC PENINSULA DISTRICT HOSPITAL	PUBLIC	25
41		GUINAYANGAN MEDICARE COMMUNITY HOSPITAL	PUBLIC	15
42		GUMACA DISTRICT HOSPITAL	PUBLIC	75
43		CLARO M. RECTO MEM DISTRICT HOSPITAL	PUBLIC	25
44		MAGSAYSAY MEM DISTRICT HOSPITAL	PUBLIC	75
45		MAUBAN DISTRICT HOSPITAL	PUBLIC	25
46		POLILLO MEDICARE HOSPITAL	PUBLIC	10
47		SAN FRANCISCO MUNICIPAL HOSPITAL	PUBLIC	10
48		SAN NARCISO MUNICIPAL HOSPITAL	PUBLIC	10
49		MARIA L. ELEAZAR MEMORIAL DISTRICT HOSPITAL	PUBLIC	25
50		UNISAN MEDICARE COMMUNITY HOSPITAL	PUBLIC	10
51	LUCENA CITY	QUEZON MEDICAL CENTER	PUBLIC	200
52	RIZAL	RIZAL PROV HOSPITAL SYSTEM-Angono Annex	PUBLIC	75
53		BAGONG CAINTA MUNICIPAL HOSPITAL	PUBLIC	15
54		YNARES MUNICIPAL HOSPITAL	PUBLIC	10
55		CASIMIRO A. YNARES SR. MEMORIAL HOSPITAL	PUBLIC	50

REGION IV A (CALABARZON) 5 PROVINCES				
	PROVINCES	NAME OF HOSPITAL	PUBLIC/PRIVATE	BED CAPACITY
56		RIZAL PROVINCIAL HOSPITAL	PUBLIC	100
57		TAYTAY EMERGENCY HOSPITAL	PUBLIC	10
58	ANTIPOLO CITY	RIZAL PROVINCIAL HOSPITAL SYSTEM-ANTIPOLO	PUBLIC	50
		ANNEX (formerly ANTIPOLO DISTRICT HOSPITAL)		
	TOTAL			2876

REGION V (BICOL REGION) 6 PROVINCES				
	PROVINCES	NAME OF HOSPITAL	PUBLIC/PRIVATE	BED CAPACITY
1	ALBAY	CAGRARAY DISTRICT HOSPITAL	PUBLIC	25
2		PANTAO DISTRICT HOSPITAL	PUBLIC	25
3		MANITO MUNICIPAL HOSPITAL	PUBLIC	10
4		PIO DURAN MEMORIAL DISTRICT HOSPITAL	PUBLIC	25
5		RAPU-RAPU DISTRICT HOSPITAL	PUBLIC	25
6	LIGAO CITY	JOSEFINA BELMONTE DURAN MEMORIAL HOSPITAL	PUBLIC	25
7	LEGAZPI CITY	BICOL REGIONAL TRAINING AND TEACHING HOSPITAL	PUBLIC (DOH RETAINED)	250
8	LEGAZPI CITY	CAMP SIMEON A. OLA HOSPITAL	PUBLIC (MILITARY)	12
9	TABACO CITY	ZIGA MEMORIAL DISTRICT HOSPITAL	PUBLIC	50
10	CAMARINES NORTE	CAPALONGA MEDICARE COMMUNITY HOSPITAL	PUBLIC	15
11		CAMARINES NORTE PROVINCIAL HOSPITAL	PUBLIC	100
12		LABO DISTRICT HOSPITAL	PUBLIC	25
13	CAMARINES SUR	BICOL SANITARIUM	PUBLIC (DOH RETAINED)	450
14		CARAMOAN MUNICIPAL HOSPITAL	PUBLIC	10
15		GARCHITORENA MEDICARE COMMUNITY HOSPITAL	PUBLIC	15
16		LIBMANAN DISTRICT HOSPITAL	PUBLIC	25
17		OCAMPO MUNICIPAL HOSPITAL	PUBLIC	10
18		CAMP ELIAS ANGELES STATION HOSPITAL	PUBLIC (MILITARY)	20
19		RAGAY DISTRICT HOSPITAL	PUBLIC	25
20		SAN JOSE MEDICARE COMMUNITY HOSPITAL	PUBLIC	15
21		SIPOCOT DISTRICT HOSPITAL	PUBLIC	25
22		SIRUMA MUNICIPAL HOSPITAL	PUBLIC	10
23		TIGAON MUNICIPAL HOSPITAL	PUBLIC	10
24		TINAMBAC MEDICARE COMMUNITY HOSPITAL	PUBLIC	15
25		TINAMBAC MUNICIPAL HOSPITAL	PUBLIC	10
26	NAGA CITY	BICOL MEDICAL CENTER	PUBLIC (DOH RETAINED)	450
27		NAGA CITY HOSPITAL	PUBLIC	16
28	CATANDUANES	BATO MATERNITY AND CHILDREN'S HOSPITAL	PUBLIC	25
29		CARAMORAN MUNICIPAL HOSPITAL	PUBLIC	10

REGION V (BICOL REGION) 6 PROVINCES				
	PROVINCES	NAME OF HOSPITAL	PUBLIC/PRIVATE	BED CAPACITY
30		GIGMOTO DISTRICT HOSPITAL	PUBLIC	25
31		PANDAN DISTRICT HOSPITAL	PUBLIC	25
32		JUAN M. ALBERTO MEMORIAL DISTRICT HOSPITAL	PUBLIC	25
33		VIGA DISTRICT HOSPITAL	PUBLIC	25
34		EASTERN BICOL MEDICAL CENTER	PUBLIC	100
35	MASBATE	AROROY MUNICIPAL HOSPITAL	PUBLIC	10
36		BALUD MUNICIPAL HOSPITAL	PUBLIC	10
37		CATAINGAN DISTRICT HOSPITAL	PUBLIC	25
38		CAWAYAN MUNICIPAL HOSPITAL	PUBLIC	10
39		CLAVERIA DISTRICT HOSPITAL	PUBLIC	25
40		MOISES ESPINOSA SR. MEMORIAL MUNICIPAL HOSPITAL	PUBLIC	10
41		MANDAON MEDICARE COMMUNITY HOSPITAL	PUBLIC	15
42		TICAO DISTRICT HOSPITAL	PUBLIC	25
43		MABATE PROVINCIAL HOSPITAL	PUBLIC	100
44	SORSOGON	PANTALEON G. GOTLADERA MEMORIAL HOSPITAL	PUBLIC	10
45		VICENTE PERALTA MEMORIAL DISTRICT HOSPITAL	PUBLIC	25
46		DONSOL DISTRICT HOSPITAL	PUBLIC	25
47		GUBAT DISTRICT HOSPITAL	PUBLIC	25
48		IROSIN DISGTRICT HOSPITAL	PUBLIC	25
49		MAGALLANES MEDICARE COMMUNITY HOSPITAL	PUBLIC	15
50		MATNOG MEDICARE COMMUNITY HOSPITAL	PUBLIC	15
51		PRIETO DIAZ MUNICIPAL HOSPITAL	PUBLIC	10
52	SORSOGON CITY	DR. FERNANDO B. DURAN SR. MEMORIAL HOSPITAL	PUBLIC	100
	TOTAL			2408

REGION VI (WESTERN VISAYAS REGION) 6 PROVINCES				
	PROVINCES	NAME OF HOSPITAL	PUBLIC/PRIVATE	BED CAPACITY
1	AKLAN	DR. RAFAEL S. TUMBOKON MEMORIAL HOSPITAL	PUBLIC	162
2	ANTIQUE	CULASI DISTRICT HOSPITAL	PUBLIC	25
3		ANGEL SALAZAR MEMORIAL GENERAL HOSPITAL	PUBLIC	100
4		RAMON MASA SR. MEMORIAL DISTRICT HOSPITAL	PUBLIC	25
5	CAPIZ	MAMBUSAO DISTRICT HOSPITAL	PUBLIC	50
6		BAILAN DISTRICT HOSPITAL	PUBLIC	50
7	ROXAS CITY	ROXAS MEMORIAL PROVINCIAL HOSPITAL	PUBLIC	100
8	GUIMARAS	DR. CATALINO GALLEGO NAVA PROVINCIAL HOSPITAL (foremrly GUIMARAS PROVINCIAL HOSPITAL)	PUBLIC	25
9	ILOILO	ALEOSAN DISTRICT HOSPITAL	PUBLIC	50

REGION VI (WESTERN VISAYAS REGION) 6 PROVINCES				
	PROVINCES	NAME OF HOSPITAL	PUBLIC/PRIVATE	BED CAPACITY
10		JESUS M. COLMENARES DISTRICT HOSPITAL	PUBLIC	25
11		DON JOSE MONFORT MEDICAL CENTER EXT. HOSPITAL	PUBLIC (DOH RETAINED)	25
12		RAMON TABIANA MEMORIAL DISTRICT HOSPITAL	PUBLIC	50
13		DR. RICARDO S. PROVIDO SR. MEMORIAL HOSPITAL	PUBLIC	25
14		DUMANGAS DISTRICT HOSPITAL	PUBLIC	50
	NEGROS OCCIDENTAL			
15	SILAY CITY	TERESITA L. JALANDONI PROVINCIAL HOSPITAL	PUBLIC	100
	TOTAL			862

REGION VII (CENTRAL VISAYAS REGION) 4 PROVINCES				
	PROVINCES	NAME OF HOSPITAL	PUBLIC/PRIVATE	BED CAPACITY
1	BOHOL	CALAPE MOTHER AND CHILD HOSPITAL	PUBLIC	12
2		CONG. SIMEON G. TORIBIO MEMORIAL HOSPITAL	PUBLIC	50
3		TEODORO B. GALAGAR DISTRICT HOSPITAL	PUBLIC	25
4		CONG. NATALIO P. CASTILLO SR. MEMORIAL HOSPITAL	PUBLIC	25
5		GARCIA MEMORIAL PROVINCIAL HOSPITAL	PUBLIC	75
6		DON EMILIO DEL VALLE MEMORIAL HOSPITAL	PUBLIC (DOH RETAINED)	50
7	TAGBILARAN CITY	GOV. CELESTINO GALLARES MEMORIAL HOSPITAL	PUBLIC (DOH RETAINED)	200
8	TALISAY CITY	TALISAY DISTRICT HOSPITAL	PUBLIC (DOH RETAINED)	10
9	CEBU	VICENTE SOTTO MEMORIAL MEDICAL CENTER	PUBLIC (DOH RETAINED)	600
10		ST. ANTHONY MOTHER AND CHILD HOSPITAL	PUBLIC	25
11		CAMP LAPULAPU ARMY STATION HOSPITAL	PUBLIC (MILITARY)	50
12		CEBU CITY MEDICAL CENTER	PUBLIC	300
13	LAPULAPU CITY	LAPU-LAPU CITY HOSPITAL	PUBLIC	75
14	MANDAUE CITY	EVERSLY CHILDS SANITARIUM	PUBLIC	50
15	MANDAUE CITY	MANDAUE CITY HOSPITAL	PUBLIC	25
16	NEGROS ORIENTAL	GOV. WILLIAM (BILLY) VILLEGAS MEMORIAL HOSPITAL	PUBLIC	50
17	BAYAWAN CITY	BAYAWAN DISTRICT HOSPITAL	PUBLIC	50
18	DUMAGUETE CITY	NEGROS ORIENTAL PROVINCIAL HOSPITAL	PUBLIC	250
19	SIQUIJOR	SIQUIJOR PROVINCIAL HOSPITAL	PUBLIC	100
	TOTAL			2022

H. GAPS AND NEEDS IDENTIFICATION

1. Command and Control

Needs	Existing	Gaps	Cost as of May 2015	Source
Five (5) emergency operations center equipment and tools				
<input type="checkbox"/> COMMAND TENTS (AT LEAST 24 SQ.M FLOOR AREA)	0	5 SETS	Php 45,000 @ = Php 225,000	
<input type="checkbox"/> 4 TENTS WITH 10 x 10 M SIZE	0	20 SETS	Php 180,000@ = Php 2,400,000	
<input type="checkbox"/> POWER GENERATORS & ACCESSORIES (MINIMUM OF 25KVA)	0	5 SETS	Php 300,000@ = Php1,500,000	
<input type="checkbox"/> MAPS, CHARTS AND MONITORING BOARD	0	5 SETS	Php10,000@ = Php50,000	
<input type="checkbox"/> 4 DESKTOP PC/LAPTOP AND 4 PRINTER		5 SETS	Php 60,000@ = Php1,200,000	
<input type="checkbox"/> VHF RADIO AND ACCESSORIES		5 SETS	Php20,000@ = Php100,000	
<input type="checkbox"/> BROADBAND INTERNET CONNECTION			Php6,000@ = Php30,000	
<input type="checkbox"/> INCIDENT MAPPING AND MANAGEMENT SOFTWARES				
<input type="checkbox"/> WATER PURIFIER				
<input type="checkbox"/> DRONE			Php50,000@ = Php250,000	
• TRAINING ON ICS & MGT	On-Going			

2. Communication and Warning

Resources Item	Standard	Project Needs	Existing Resources	Gaps	Activity to meet the Gaps	Time frame	Cost	Source
SSB Radio	-At least 1 per lead Agency	9	1- OCD	8	Convene TWG of NDRRMC to raise the issue on Communication Gap System	ASAP	Php 500,000.00	
Satellite Phone	-At least 1 per Lead Agency for each Sector/quadrant - At least 1 per LGU	13 17	1- OCD	12 17			Php 50,000	
Handheld Radios VHF/ UHF	-At least 2 per LGU -At least 2 per lead Agency and 1 for each quadrant & Operations	34 50	17 17	17 33			Php 75,000	
Communication Van	1 per quadrant 1 MMDRRMC 1- EOC 1- NDRRMC 1- DPWH 1- DSWD		MMDA-3 AFP -1 NCRPO-1 Rotary -1	3	Convene TWG of NDRRMC	ASAP	Php 2.0M	

Resources Item	Standard	Project Needs	Existing Resources	Gaps	Activity to meet the Gaps	Time frame	Cost	Source
MOU with Media Networks ,NGO's and Volunteer Radio Groups.					Convenc TWG of NDRRMC for the formulation of MOUs		Php 30,000	

3. Safety and Security

Resources (Item/Good/ Services)	Standard	Projected Needs (if possible, follow standard/ Capacity	Existing Resources (from NCRPO Only)	Gap	Activity to meet the Gaps	Time Frame	Resources Needed	Cost	Source
5 MMDRRMC EOCs									
Manpower									
Personnel	8 persons/ 12 hrs shift/ EOC	80	80	0					
Food	90 pesos/ day	7,200.00	7,200.00	0					
Mobility									
Patrol Cars	1 per EOC	5	5	0					
Gasoline	40 liters/ patrol car/ day	200	200	0					
Lubricants									
Communications									
Handheld Radio (Motorolla)	2 per EOC	10	10	0					
Battery, spare for HH radio	2 per EOC	10	10	0					
45 Checkpoints for Traffic Direction and Control									
Manpower									
Personnel	8 persons/ 12 hrs shift/ checkpoint	720	720	0					
Food	90 pesos/ day	64,800.00	64,800.00	0					
Mobility									
Patrol Cars	1 patrol car/ checkpoint	45	0	45				1,000,000 @ = 45,000,000	
Gasoline	40 litres/patrol car/day	1800	1800	0					
Lubricants									
Communications									
Handheld Radio (Motorolla)	2 per checkpoint	90	90	0					
Battery, spare for HH radio	1 per checkpoint	45	45	0					

Resources (Item/Good/ Services)	Standard	Projected Needs (if possible, follow standard/ Capacity)	Existing Resources (from NCRPO Only)	Gap	Activity to meet the Gaps	Time Frame	Resources Needed	Cost	Source
26 DPWH Clearing Operations									
Manpower									
Personnel	2 persons per clearing operations	104	0	104					RPSB
Food	90 pesos/ day	9,360.00		9,360.00					
Mobility									
Patrol Cars	1 patrol car/clearing operations	26	26	0					
Gasoline	40/patrol/day	1,040	1,040	0					
Lubricants									
Communications									
Handheld Radio (Motorolla)	1/clearing operations	26	26	0					
Battery, spare for HH radio	1/clearing operations	26	26	0					
15 DSWD Packing Hubs/ Relief Distribution									
Manpower									
Personnel	14 persons/ packing hub/12 hour shift	420	420	0					
Food	90 pesos/ 12 hour shift	37,800.00	37,800.00	0					
Mobility									
Motorcycle	1 per packing hub	15	15	0					
Fuel	10 liters/ motorcycle/ day	150	150						
Lubricants									
Communications									
Handheld Radio (Motorolla)	2 per packing hub operations	30	30	0					
7 Evacuation Camps									
Manpower									
Personnel	21persons/ evacuation camps/ 12 hour shift	294	147	147					RPSB
Food	90 pesos/ day	26,460.00	13,230.00	13,230.00					
Communications									
Handheld Radio (Motorolla)	3 per evacuation camp	21	7	14				10,000@ = 140,000	
8 Emergency Field Hospitals									
Manpower									
Personnel	21 persons/emergency field hospitals/ 12 hour shift	336	0	336					RPSB
Food	90 pesos/ 12 hour shift	30,240.00		30,240.00					
Communications									
Handheld Radio (Motorolla)	2 per emergency field hospital	16	8	8				10,000@ = 80,000	

Resources (Item/Good/ Services)	Standard	Projected Needs (if possible, follow standard/ Capacity)	Existing Resources (from NCRPO Only)	Gap	Activity to meet the Gaps	Time Frame	Resources Needed	Cost	Source
2 (1 Oil Depot; 1 Pipeline)									
Manpower									
Personnel	35 person/ depot and pipeline/12 hours shift	140	0	140					RPSB
Food	90 pesos /12 hour shift	12,600.00	12,600.00	0					
Communications									
Handheld Radio (Motorolla)	2 per depot	4	3	1				10,000@ = 10,000	
24 Jail Security									
Manpower									
Personnel	7 persons/ Jail/12 hours shift	336	336	0					
Food	90 pesos/ day	30,240.00	30,240.00	0					
Communications									
Handheld Radio (Motorolla)	3 per jail	72	25	47				10,000@ = 470,000	
13 various terminal and ports: 8 Major bus terminals; 4 airports; 1 seaport									
Manpower									
Personnel	21 per port/ terminal	294	42	252					Special Action Force/ Aviation Security Group
Food	90 pesos/ day	26,460.00	3,780.00	22,680.00					
Mobility									
Motorcycle	1 per bus terminal/ports	14	14	0				10,000@ = 470,000	
Fuel	10 liters/ motorcycle/ day	140	140	0					
Lubricants									
Communications									
Handheld Radio (Motorolla)	1 per port/ terminal	14	14	0					
359 PCP/ Roving Security									
Manpower									
Personnel for roving	2 per PCP/12 hours shift	1,436	1,436	0	Activate agreement/policy on immediate deployment of nearby regions	Immediately after the earthquake	*per diem *transportation expense		Sending agency
Personnel for roving	2 per PCP/12 hours shift	1,436	1,436	0					
Food	90 pesos/ 12 hours per shift	258,480	258,480						
Mobility									
Motorcycle	1 per PCP	359	0	359				100,000@ = 35,900,000	
Gasoline	10 ltrs per day/ PCP	3590	3590	0					
Communications									
Handheld Radio (Motorolla)	2 per PCP	718	718	0					
Battery, spare for HH radio	1 per PCP	359	0	359				5,000@ = 1,795,000	

Resources (Item/Good/ Services)	Standard	Projected Needs (if possible, follow standard/ Capacity)	Existing Resources (from NCRPO Only)	Gap	Activity to meet the Gaps	Time Frame	Resources Needed	Cost	Source
500 Fire Incidents									
Manpower									
Personnel	2 per fire incident/12 hours shift	2,000	2,000	0					
Food	90 pesos/person/12 hour shift	180,000	180,000	0					
Communications									
Handheld Radio (Motorolla)	1 per fire incident	500	0	500				10,000@ =5,000,000	
50 Search and Rescue									
Manpower									
Personnel	2 persons/search and rescue activity/12 hours shift	200	0	200	activate agreement/policy on immediate deployment of nearby regions	Immediately after the earthquake	* per diem * transportation expense		Other Police Regional Office sending office/ agency
Food	90 pesos/person/12 hour shift	18,000.00	0	18,000.00					
Mobility									
Motorcycle	1 per collapsed structure scene	50	50	0					
Gasoline	10 per day/PCP	500	500	0					
Lubricants									
Communications									
Handheld Radio (Motorolla)	1 per collapsed structure scene	50	50	0					
17 Assistance to Crime Laboratory									
Manpower									
Personnel	2 person/LGU/12 hours shift	68	68	0					
Food	90 pesos/ day	6,120.00	6,120.00	0					
Communications									
Handheld Radio (Motorolla)	1 per team/LGU	17	17	0					

4. Search and Rescue

Needs	Existing	Gaps	Source
<ul style="list-style-type: none"> SEARCH AND RESCUE TEAMS SEARCH AND RESCUE TOOLS AND EQUIPMENT COMMUNICATIONS 	VERY LIMITED IN NUMBER	UNIVERSE OF COLLAPSED STRUCTURES (RESIDENTIAL IS ESTIMATED TO BE MORE THAN 100K	CONCERTED EFFORT AT ALL LEVELS AND REGIONS TO INCREASE CAPACITY

5. Relief and Camp Management

Needs	Existing		Gaps	Source
RELIEF GOODS • 5,762,870 relief goods (for 1 month operation)	50,000		5,712,870	DBM-Calamity Fund (Php 1,973,053,912.00)
COMMUNITY KITCHEN • 7 mobile kitchen	1 mobile kitchen		6 mobile kitchen	Calamity Fund DBM/Various donors (8,644,311,000.00)
MANPOWER (DSWD) • 60 DSWD EOC • 40 MMDRRMC OPCEN • 156 PACKING HUBS • 140 EVACUATION	1-6 days 24 16 26 14	7-30 days 60 40 156 140	1-6 days 36 24 130 126	Staff, volunteers, various donors
TRANSPORTATION • 48 6X6 Trucks to deliver food packs from packing hubs to Ecs • 3 C-130 • 1 Chopper • 10 Boats	1- Wing van, 2000FP capacity 0 0 0	47 -6 x 6 trucks 3 1 10		

6. Engineering, Reconstruction and Rehabilitation

Resources (Item/Good/Services)	Standard	Projected Needs (if possible, follow standard/Capacity)	Existing Resources	Gap	Activity to meet the Gaps	Time Frame	Resources Needed	Unit Cost	Cost	Source
24 RECONNAISSANCE TEAMS										
Manpower-personnel	2 per team	48	48	0						
Food	400 per person	19200	19200	0	Request fund allocation	Yearly allocation from GAA	QRF			QRF (GAA)
Mobility Motorcycle	1 per team	24	0	24				100,000	2,400,000	
Bicycle					Request in the 2015 allocation budget	2015	QRF			QRF (GAA)
Fuel	7 liters/motor/day	168	0							Petron P. Casal
Communications Handheld Radio (Motorolla)	1 per team	24	0	24	Purchase of handheld radio per team	2015	Request in the 2015 allocation budget (QRF)	10,000	240,000	QRF (GAA)
Battery, spare for HH radio		24	0	24	Request in the 2015 allocation budget	2015	QRF	5,000	120,000	QRF (GAA)
Documentation digital camera/cellphone camera	1 per team	24	24	0						

Resources (Item/Good/ Services)	Standard	Projected Needs (if possible, follow standard/Capacity)	Existing Resources	Gap	Activity to meet the Gaps	Time Frame	Resources Needed	Unit Cost	Cost	Source
16 CLEARING OPERATIONS TEAMS										
<i>Manpower</i>	22 per team / per shift	704	704							
<i>Food</i>	400 per person/shift	281,600	281,600		Request fund allocation	Yearly allocation from GAA	QRF			QRF (GAA)
<i>Equipment Pay loader</i>	1 per team	16	8	8	Request from the other Regional Offices of DPWH, Other government Offices and Private Offices	Right after the earthquake		7,000,000	56,000,000	From the other Regional Offices of DPWH, Other government Offices and Private Offices
<i>Fuel for Pay loader per day</i>		P 105,600.00/ day (Diesel Fuel)								
<i>Backhoe/ excavator</i>	1 per team	16	2	14	from the other Regional Offices of DPWH, Other government Offices and Private Offices	after the earthquake				the other Regional Offices of DPWH, Other government Offices and Private Offices
<i>Fuel for Backhoe/ Excavator per day</i>		P 179,520.00 (Diesel Fuel)								
<i>Dump Truck</i>	1 per team	16	16							
<i>Fuel for Dump Truck</i>		P 19,800.00								
<i>Cutting Outfit</i>	1 per team	16	2	14	Request from the other Regional Offices of DPWH, Other government Offices and Private Offices	Right after the earthquake	50,000	50,000	700,000	From the other Regional Offices of DPWH, Other government Offices and Private Offices
<i>Oxygen-acetylene for Cutting Outfit</i>		Oxygen-acetylene P 280,320.00								
<i>gas detector from private companies</i>										
<i>15-20 kva generator set</i>	1 per team	16	2	14	Request from the other Regional Offices of DPWH, Other government Offices and Private Offices	Right after the earthquake		200,000	2,800,000	From the other Regional Offices of DPWH, Other government Offices and Private Offices
<i>Fuel for 15-20 kva genset</i>		P 126,720.00								
<i>Bulldozers</i>	1 per team	16		16	Request from the other Regional Offices of DPWH, Other government Offices and Private Offices	Right after the earthquake				From the other Regional Offices of DPWH, Other government Offices and Private Offices

Resources (Item/Good/ Services)	Standard	Projected Needs (if possible, follow standard/Capacity)	Existing Resources	Gap	Activity to meet the Gaps	Time Frame	Resources Needed	Unit Cost	Cost	Source
16 CLEARING OPERATIONS TEAMS										
<i>Fuel for Bulldozers</i>		P 348,480.00								
<i>Cargo Truck</i>	1 per team	16	6	10	Request from the other Regional Offices of DPWH, Other government Offices and Private Offices	Right after the earthquake		3,000,000	30,000,000	From the other Regional Offices of DPWH, Other government Offices and Private Offices
<i>Fuel for Cargo Truck</i>		P 19,800.00 (Diesel Fuel)								
<i>Communications Handheld Radio (Motorola)</i>	1 per team	16		16	Request in the 2015 allocation budget	2015	QRF			QRF (GAA)
<i>Base Radio</i>										
<i>Battery, spare for HH radio</i>	1 per team	16		16	Request in the 2015 allocation budget	2015	QRF			QRF (GAA)
<i>Documentation Digital Camera/ cellphone camera</i>	1 per team	16	16	-						
12 STAGING AREAS / DEPOT										
<i>Manpower</i>	8 per area/ shift	192								
<i>Food</i>	400 per person/shift	76,800	76,800	-	Request fund allocation	Yearly allocation from GAA	QRF			QRF (GAA)
<i>Equipment 15-20 kva generator set</i>	1 per team	12	2	10	Request from the other Regional Offices of DPWH, Other government Offices and Private Offices	Right after the earthquake		200,000	2,000,000	From the other Regional Offices of DPWH, Other government Offices and Private Offices
<i>motorcycle</i>	1 per team	12		12				100,000	1,200,000	
<i>Communications Handheld Radio (Motorola)</i>	1 per team	12		12	Request in the 2015 allocation budget	2015	QRF			QRF (GAA)
<i>Computer/Laptop</i>	1 per team	12	12							From Regional and District Offices
<i>Battery, spare for HH radio</i>	1 per team	12		12						
<i>Other logistics Tents</i>	1 per team	12								From ATOME
<i>whiteboard</i>	1 per team									
<i>pen</i>										
<i>paper</i>										
<i>whiteboard</i>										
<i>Water</i>										

Resources (Item/Good/Services)	Standard	Projected Needs (if possible, follow standard/Capacity)	Existing Resources	Gap	Activity to meet the Gaps	Time Frame	Resources Needed	Unit Cost	Cost	Source
ASSISTANCE TO EIGHT (8) EVACUATIONS CAMP - assist in temporary restoration of electricity and water										
Manpower	5 per evacuation camp	80								
food	400 per person/shift	4,000								

7. Transportation

Needs	Existing	Gaps	Source
<ul style="list-style-type: none"> Manpower <ul style="list-style-type: none"> 18 personnel per day (6 per shift) Food = 18 meals per day = P1,620 per day 	18	0	DOTC and support agencies DOTC
<ul style="list-style-type: none"> Communications [covering the six (6) operations center] <ul style="list-style-type: none"> 6 sets of Handheld radio with battery 6 sets of cellular/mobile phones with load 	0 0	6 6	NDRRMC NDRRMC

8. Medical, Nutrition, Water, Sanitation and Hygiene (WASH), and Mental Health and Psychosocial Services (MHPSS)

ITEM	Standard	Quantity Needed/Projected Needs			Existing	Gaps			Activity to meet the Gaps	Time Frame	Unit Cost	Total	Source
		Day 1-3	Day 4-6	Day 6-10		Day 1	Day 4	Day 7					
DOH NCRO MAIN AND SUB-OPCENS	1 SET PER OPCEN												
Work station with conference tables & 7 chairs	1 set	7			1	6			REQUEST PURCHASE TO BE INCLUDED IN THE AWP	2015	10,000.00	60,000.00	DOH-NCRO HEMS
Mobile Phones w/ complete accessories & prepaid cards good for 3 days	4 units	28			4	24			REQUEST PURCHASE TO BE INCLUDED IN THE AWP	2015	4,000.00 / unit plus prepaid cards worth 500.00/day x 3 days	96,000.00	DOH-NCRO HEMS
	Php500/unit for UNITS/DAY = PHP2,000	42000		42000	0	42000	42000	42000	TO BE REQUESTED THROUGH CASH ADVANCE	AT THE ONSET	PHP 2,000/ DAY/ OPCEN	126,000.00	DOH-NCRO HEMS
UHF/VHF HANDHELD RADIO	1 SET	7			0	7				2015	50000	350,000.00	

ITEM	Standard	Quantity Needed/ Projected Needs			Existing	Gaps			Activity to meet the Gaps	Time Frame	Unit Cost	Total	Source
		Day 1-3	Day 4-6	Day 6-10		Day 1	Day 4	Day 7					
<i>AM/FM portable radios with standby batteries</i>	2 units radio w/ 10 batteries rechargeable on standby	14			2	12				1500	18,000.00	DOH-NCRO HEMS	
		70			10	60				400	24,000.00	DOH-NCRO HEMS	
<i>Emergency First Aid kit/supplies</i>	1 pack good for 100 persons	7			1	6				15,000.00	90,000.00	DOH-NCRO HEMS	
<i>Emergency lights & heavy duty flashlights</i>	4 units –EL	28			4	24				1,000.00	24,000.00	DOH-NCRO HEMS	
	4 units-FL	28			4	24				500	12,000.00		
<i>Food supplies good for 3 days</i>	1 pack good for 10 persons	7			1	6				1,500.00	9,000.00	DOH-NCRO HEMS	
<i>Bicycles</i>	2 unit	14			2	12				2,500.00	30,000.00	DOH-NCRO HEMS	
<i>White board 4x8 ft.</i>	1	7			1	6				5000	30,000.00	DOH-NCRO HEMS	
<i>Whiteboard pens</i>	5	35			0	35				85	2,975.00		
<i>Digital camera with memory card & batteries</i>	1 unit	7			1	6				10000	60,000.00	DOH-NCRO HEMS	
<i>Water storage containers 5 gallons</i>	4 unit	28			4	24				300	7,200.00	DOH-NCRO HEMS	
<i>Fuel</i>	100 liters/DAY/ OPCEN	2100	2100	2800	0	2100	2100	2800		60	420,000.00	DOH-NCRO HEMS	
<i>Generator Set with Fuel KVA? _____</i>	1 set	7			1	6				43,500	261,000.00	DOH-NCRO HEMS	
<i>MANPOWER</i>	13 DOH MAN-POWER/ OPCEN/ SHIFT with	182	182	182	75	107	82	57	Augmentation from other DOH regions and other volunteer groups	within 24-48 hrs after the earthquake	Transportation, food, accommodation and other incidental expenses	Sending Agency	
	5 volunteers	70	70	70	0	70	70	70	Augmentation from other DOH regions and other volunteer groups	within 24-48 hrs after the earthquake	Transportation, food, accommodation and other incidental expenses	Sending Agency	
<i>Food allowance for DOH NCRO STAFF</i>	300 pesos/day	67,500	90,000	150,000	67,500	0	90,000	150,000	*reimbursement *replenishment of petty cash	AT THE ONSET		240000	DOH-NCRO
<i>Communication allowance</i>	300 pesos/staff	67,500	90,000	150,000	67,501	1	90000	150,000	*reimbursement *replenishment of petty cash	AT THE ONSET		240001	DOH-NCRO

9. Evacuation and Management of the Dead and Missing

Resources (Item/Good/ Services)	Standard	Projected Needs (if possible, follow standard/Capacity)	Existing Resources	Gap	Activity to meet the Gaps	Time Frame	Resources Needed	Cost	Source
5 MMDRRMC EOC									
Manpower - personnel	2 per EOC	20	20	0					
food	200 per person	4000	4000	0					
Mobility Motorcycle	1 per team	5	0	5					
Communications Handheld Radio (Motorola)	1 per team	5	4	1					
Battery, spare for HH radio	5	0	5	0					
7 EVACUATION CAMPS WITH 436,688 PERSONS									
Manpower				0					
DILG-NCR	2 per camp	28		7					
FOREMAN	1 per camp	14							
ELECTRICIAN	1 per camp	14							
PLUMBER	1 per camp	14							
LABORERS	20 per camp	280							
VOLUNTEERS	30 per camp	420							
Food	200 per person/ shift	154,000	154000						
Communications Handheld Radio (Motorola)	1 per team	7	0						
Tents	1 tent /5 persons	87338			MOA with CSOs, NGOs and other private organizations				ICRC, WFP, UNICEF, AFP
portalets	1 portalet/ 20 persons	21834			Rent from existing private organizations				NDRRMC
bathing facility	1 bathing facility/ 20 persons								DILG-NCR
flood lights	10 per camp	70							MERALCO and other electric association
water tankers	3 per camp	21							MWSS, MAYNILAD and other water association
Genset (50KVA)	1 per camp	7							

Resources (Item/Good/Services)	Standard	Projected Needs (if possible, follow standard/Capacity)	Existing Resources	Gap	Activity to meet the Gaps	Time Frame	Resources Needed	Cost	Source
8 AREAS WITH SUPPORT GROUP									
Manpower	4 per area (7 ECs, 1 MMDRRMC Main EOC)	32							
food	200 per person	12800							
Mobility Motorcycle	1 per team	8		8					
Communications	1 per team	8							

10. Fire

Needs	Existing	Gaps	Source
<ul style="list-style-type: none"> • Manpower <ul style="list-style-type: none"> ▪ BFP - NCR Personnel <ul style="list-style-type: none"> <input type="checkbox"/> Seven (7) firefighters to One (1) fire truck for fire suppression <input type="checkbox"/> Seven (7) BFPSRU to One (1) Rescue truck <input type="checkbox"/> Ten (10) BFP EMS to One (1) Ambulance ▪ Food 	698	6302	<ul style="list-style-type: none"> • Augmentation from other BFP Regions not affected by the Earthquake • Recruitment of additional BFP Personnel • Mobilization of all volunteer groups in every locality
<ul style="list-style-type: none"> ▪ Personal Protective Equipment <ul style="list-style-type: none"> <input type="checkbox"/> 7000 BFP - NCR Personnel <input type="checkbox"/> Fire Boots <input type="checkbox"/> Fire Gloves <input type="checkbox"/> Fire Coat <input type="checkbox"/> Fire Trouser <input type="checkbox"/> Fire Helmet <input type="checkbox"/> Self Contained Breathing Apparatus (SCBA) 	<ul style="list-style-type: none"> • 249 • 216 • 301 • 240 • 298 • 118 	<ul style="list-style-type: none"> • 6053 • 6086 • 6001 • 6062 • 6086 • 3758 	<ul style="list-style-type: none"> • Augmentation from other BFP Regions not affected by the Earthquake • Personnel • Mobilization of all volunteer groups in every locality • Purchase of additional SCBA by : <ul style="list-style-type: none"> • BFP NHQ thru GAA • BFP NCR • Local Appropriation
<ul style="list-style-type: none"> • Firefighting Capability <ul style="list-style-type: none"> ▪ Fire Truck ▪ FIRE HOSE - 1 ½ inch ▪ FIRE HOSE - 2 ½ inch ▪ FIRE NOZZLE - 1 ½ inch ▪ FIRE NOZZLE - 2 ½ inch ▪ SUCTION HOSE 	<ul style="list-style-type: none"> • 31 • 756 • 323 • 58 • 38 • 53 	<ul style="list-style-type: none"> • 969 • 4098 • 4522 • 911 • 931 • 916 	<ul style="list-style-type: none"> • Augmentation from other BFP Regions not affected by the Earthquake • Mobilization of all volunteer groups in every locality • Purchase of additional SCBA by : <ul style="list-style-type: none"> • BFP NHQ thru GAA • BFP NCR • Local Appropriation

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Adopted by the Metro Manila Disaster Risk Reduction and Management Council (MMDRRMC) on 12 October 2015 at the Metropolitan Manila Development Authority, EDSA cor. Orense Street, Guadalupe Nuevo, Makati City



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Chairman, MMDA
Chairperson



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Regional Director, OCD-NCR
Senior Vice-Chairperson



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METRO MANILA DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL

METRO MANILA DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL

MMDRRMC Resolution No. 15-01
Series of 2015

RESOLUTION APPROVING AND ADOPTING THE METRO MANILA EARTHQUAKE CONTINGENCY PLAN OTHERWISE KNOWN AS “OPLAN METRO YAKAL PLUS”

WHEREAS, the 2004 Metro Manila Earthquake Impact Reduction Study (**MMEIRS**) conducted by the Metropolitan Manila Development Authority (**MMDA**), Philippine Institute of Volcanology and Seismology (**PHIVOLCS**), and the Japan International Cooperation Agency (**JICA**), and the 2013 Greater Metro Manila Risk Analysis Project (**GMMRAP**) conducted by the National Disaster Risk Reduction and Management Council (**NDRRMC**) Collective Strengthening of Community Awareness on Natural Disasters (**CSCAND**), the Australian Government Department of Foreign Affairs and Trade (DFAT) and Geoscience Australia (GA) in 2013, both indicated that the National Capital Region (NCR) and its surrounding areas are exposed to high risk from a strong Magnitude earthquake that may generate from the West Valley Fault.

WHEREAS, based on the hazard and risk maps by MMEIRS AND GMMRAP, a 7.2 Magnitude Earthquake with a possible Intensity 8 ground shaking in the NCR may result to loss of lives, severe damage of structures and infrastructures which will greatly affect the economy, and huge number of population displacement.

WHEREAS, pursuant to RA 10121, the Metro Manila Disaster Risk Reduction and Management Council (**MMDRRMC**) formulated the Metro Manila Earthquake Contingency Plan dubbed as “**Oplan Metro Yakal Plus**”, which was facilitated by the NDRRMC-Office of Civil Defense (**OCD**) and funded by the Australian Agency for International Development Program (**AusAid**) and the United Nations Development Programme (**UNDP**) through the “Enhancing Greater Metro Manila Areas (GMMA) Institutional Capacities for Effective Disaster/Climate Risk Management towards Sustainable Development” or “**GMMA READY Project**”,

WHEREAS, the Oplan Metro Yakal Plus shall also be the guide of the NDRRMC during its support to MMDRRMC’s emergency operations in NCR.

WHEREAS, the MMDRRMC members hereby agree and abide by their responsibilities stipulated in the Oplan Metro Yakal Plus:

SECTOR	LEAD AGENCY	RESPONSIBILITY
Command and Control	MMDA	Establish a system of command and control for metro manila immediately after an intense ground shaking event.
Communications and Warning	Office of Civil Defense – National Capital Region (OCD-NCR)	Ensure availability of all emergency back-up communication systems and equipment; and, provide timely, effective, accurate and efficient information, advisories, alerts and warnings to the LGUs, National Government Agencies and other Stakeholders and the General Public.



METRO MANILA DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL

SECTOR	LEAD AGENCY	RESPONSIBILITY
Safety and Security	Philippine National Police – National Capital Region Police Office (PNP-NCRPO)	Ensure safety and security of lives and properties of affected population; response efforts; vital installations and structures; and, resource mobilizations.
Search and Rescue	MMDA	Provide immediate rescue to earthquake victims.
Relief and Camp Management	Department of Social Welfare and Development – National Capital Region (DSWD-NCR)	Ensure safety of the affected families thru delivery of essential relief, camp management and human rehabilitation services.
Engineering, Reconstruction and Rehabilitation	Department of Public Works and Highways- National Capital Region (DPWH-NCR)	Conduct clearing operations of debris and obstructions; immediately restore vital access roads, bridges and vital lifelines; reconstruct/ rehabilitate damaged structures and facilities.
Transportation	Department of Transportation and Communications (DOTC)	Coordinate support and augmenting transportation needs to response sectors.
Medical, Nutrition, Water, Sanitation and Hygiene (WASH), and Mental Health and Psychosocial Services (MHPSS)	Department of Health – National Capital Region Office (DOH-NCRO)	Decrease the morbidity and mortality related to earthquake.
Evacuation and Management of the Dead and Missing	Department of the Interior and Local Government – National Capital Region (DILG-NCR)	Ensure establishment evacuation camps to displaced families/individuals; and, manage dead bodies in coordination with responsible attached agencies.
Fire	Bureau of Fire Protection - National Capital Region (BFP-NCR)	Suppress all destructive fires to minimize the loss of lives and properties.

NOW, THEREFORE, be it resolved as it is hereby resolved, that this Oplan Metro Yakal Plus is hereby adopted and approved by the MMDRRMC.

This Resolution shall take effect upon approval.

DONE and APPROVED, this ___ day of _____, _____ at the City of Makati, Metro Manila, Philippines.


ATTY. FRANCIS N. TOLENTINO
 Chairman - MMDRRMC





METRO MANILA DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL

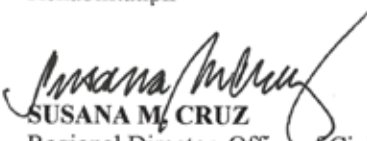

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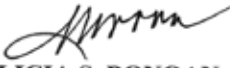

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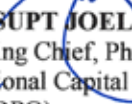

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

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Lead for Command and Control and Search and Rescue Sectors

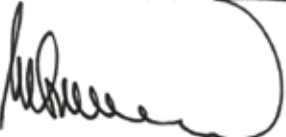

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Engineering, Reconstruction and Rehabilitation Sector


JOSEPH EMILIO ABAYA
Secretary, Department of Transportation and Communications (DOTC)
Transportation Sector


CSUPT LORENZO S DE GUIA
Regional Director, Bureau of Fire Protection - National Capital Region (BFP-NCR)
Fire Sector



DOTC-OSEC OUTGOING 15-02304