



REPUBLIC OF THE PHILIPPINES
NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL

National Disaster Risk Reduction and Management Center, Camp Aguinaldo, Quezon City, Philippines

SEP 05 2022

MEMORANDUM
 No. 137, s. 2022

TO : ALL MEMBERS OF DISASTER RISK REDUCTION AND MANAGEMENT COUNCILS AT THE NATIONAL, REGIONAL, PROVINCIAL, CITY, MUNICIPAL LEVELS AND BARANGAY DISASTER RISK REDUCTION AND MANAGEMENT COMMITTEES

SUBJECT : Dissemination of Checklist of Typing of Emergency Operations Centers (EOCs) and Results of Pilot-Assessment

In order to standardize, streamline and operationalize the capabilities and resources of EOCs by government agencies and local government units (LGUs), the National Disaster Risk Reduction and Management Council (NDRRMC) through the Office of Civil Defense (OCD) Operations Service (OS) formulated the Checklist for the Typing¹ of EOCs.

Based on the results of pilot self-assessment² of the checklist by selected provinces and LGUs, majority of EOCs of LGUs fall under Type 4 EOC, to include the EOCs of selected Provinces and Cities. The assessment results emphasize the need for EOCs to catch up in terms of operational capabilities and resources.

	Compliance of with the Typing Checklist by Selected LGUs				
	Type 1 EOC Recommended for National / Regional Agency; Provincial DRRMO; City DRRMO (Highly Urbanized City)	Type 2 EOC Recommended for City DRRMO (Independent Component City and Component City); Municipal DRRMO (1 st to 2 nd Income Class Municipality)	Type 3 EOC Recommended for Municipal DRRMO (3 rd to 4 th Income Class Municipality)	Type 4 EOC Recommended for Municipal DRRMO (5 th to 6 th Income Class Municipality) Barangays	Total LGUS assessed (SAMPLE SIZE)
Province	0 (0.00%)	2 (15.38%)	3 (23.08%)	8 (61.54%)	13
Highly Urbanized City	1 (10.00%)	3 (30.00%)	3 (30.00%)	4 (30.00%)	11
Independent Component City	0 (0.00%)	1 (33.33%)	2 (33.33%)	1 (33.33%)	4
Component City	0 (0.00%)	1 (8.33%)	2 (16.67%)	9 (75.00%)	12
1 st Income Class Municipality	0 (0.00%)	1 (7.14%)	4 (28.57%)	9 (64.29%)	14
2 nd Income Class Municipality	0 (0.00%)	1 (8.33%)	1 (8.33%)	10 (83.33%)	12
3 rd Income Class Municipality	0 (0.00%)	2 (15.38%)	2 (15.38%)	10 (69.23%)	14
4 th Income Class Municipality	0 (0.00%)	0 (0.00%)	0 (0.00%)	12 (100.00%)	2
5 th Income Class Municipality	0 (0.00%)	1 (12.50%)	0 (0.00%)	8 (87.50%)	9
6 th Income Class Municipality	0 (0.00%)	0.00%	0.00%	5 (100.00%)	5
TOTAL	1 (0.94%)	12 (11.32%)	17 (16.04%)	7 (71.70%)	106 (100%)

¹ The term "type" describes capability. In Incident Command System (ICS), typing is made using a number, with 1 as the highest capability or capacity, 2 as the next highest, etc. Type 1 EOC has the highest level of training, experience, self-sufficiency, and generally suitable for the most complex requirements.

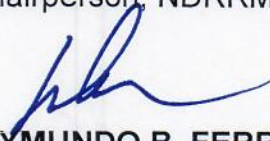
² Pilot self-assessment conducted from 07 to 29 July 2022. Selection of LGUs were made by the OCD Regional Offices via purposive sampling.

This NDRRMC Memorandum is hereby issued to disseminate the Checklist of Typing of EOCs for use by agencies and LGUs. It should be emphasized that the intent of using the Typing Checklist is to serve as supplementary reference in support for the establishment, modernization and upgrading of EOCs by agencies and LGUs. The requirements indicated in the checklist are recommendatory, subject to availability of resources and appropriateness in the requirements of the agency/ LGU. With this, an agency/LGU can increase capacities and go beyond the recommended Type or modify/enhance/expand any of the requirements, as deemed necessary.

The NDRRMC through the OCD shall continue to enhance the Checklist of Typing of EOCs based on its progressive implementation as well as all succeeding consultations and feedback from end-users.

For information and guidance.

For the Chairperson, NDRRMC:



USEC RAYMUNDO B. FERRER,
Executive Director, NDRRMC and
Administrator, OCD



Typing of Emergency Operations Centers (EOCs)

Recommended Minimum Capability and Resource Requirements

As of August 2022

Purpose: To standardize, streamline and operationalize the operational capabilities and resources of Emergency Operations Centers (EOCs) by Government Agencies involved in Disaster Risk Reduction and Management (DRRM) as well as Local Government Units (LGUs)

TYPE 1 EOC	TYPE 2 EOC	TYPE 3 EOC	TYPE 4 EOC
Most advanced EOC type; recommended for EOCs with the widest scope of monitoring and coordination functions based on geographic coverage; with complete equipage of resources	Next advanced EOC type; recommended for EOCs with relatively wide scope of monitoring and coordination functions based on geographic coverage; with minimal adjustments on equipage of resources (as compared with Type1 EOC)	EOC type with balanced features; recommended for EOCs performing usual monitoring and coordination functions	Most basic EOC type; recommended for EOCs with minimum available standard but essential resources for monitoring and coordination functions
RECOMMENDED END-USERS			
<i>*End-users may adopt higher EOC types based on availability of respective resources and capacities</i>			
<ul style="list-style-type: none"> ○ National / regional government agency involved in DRRM ○ Provincial DRRMO ○ City DRRMO (Highly Urbanized City) 	<ul style="list-style-type: none"> ○ City DRRMO (Independent Component City and Component City) ○ Municipal DRRMO (1st to 2nd Income Class Municipality) 	<ul style="list-style-type: none"> ○ Municipal DRRMO (3rd to 4th Income Class Municipality) 	<ul style="list-style-type: none"> ○ Municipal DRRMO (5th to 6th Income Class Municipality) ○ Barangays
TRAINING COURSES			
<p>All EOC personnel finished the following courses, among others (with Certification/Documentation):</p> <ul style="list-style-type: none"> ○ Orientation on Republic Act 10121, NDRRMC Response Cluster System, Cluster Reporting and other essentials of disaster response ○ Orientation on Disaster Risk Assessment methodologies such as Pre-Disaster Risk Assessment ○ EOC Management Training ○ All levels of Incident Command System (ICS) Courses ○ Rapid Damage Assessment and Needs Analysis (RDANA) Training ○ Risk Communication ○ Basic Fire Safety ○ Exercise Design Course ○ NTC Radio Operator Training (Government Radio Operator Certificate) ○ Contingency Planning Training Course ○ Advanced GIS Training (for selected personnel) ○ Basic Occupational Safety and Health (BOSH) Training for SO2 (40hrs) ○ Emergency Medical Services NC II Course ○ Emergency Telecommunicator Course ○ Report Development Course/workshops 	<p>All EOC personnel finished the following courses, among others (with Certification/Documentation):</p> <ul style="list-style-type: none"> ○ Orientation on Republic Act 10121, NDRRMC Response Cluster System, Cluster Reporting and other essentials of disaster response ○ Orientation on Disaster Risk Assessment methodologies such as Pre-Disaster Risk Assessment ○ EOC Management Training ○ All levels of Incident Command System (ICS) Courses ○ Rapid Damage Assessment and Needs Analysis (RDANA) Training ○ Risk Communication ○ Basic Fire Safety ○ Exercise Design Course ○ NTC Radio Operator Training (Government Radio Operator Certificate) ○ Contingency Planning Training Course ○ Basic GIS Training (for selected personnel) ○ Basic Occupational Safety and Health (BOSH) Training for SO2 (40hrs) ○ Emergency Medical Services NC II Course ○ Emergency Telecommunicator Course 	<p>All EOC personnel finished the following courses, among others (with Certification/Documentation):</p> <ul style="list-style-type: none"> ○ Orientation on Republic Act 10121, NDRRMC Response Cluster System, Cluster Reporting and other essentials of disaster response ○ Orientation on Disaster Risk Assessment methodologies such as Pre-Disaster Risk Assessment ○ EOC Management Training ○ Basic Incident Command System (ICS) ○ Rapid Damage Assessment and Needs Analysis (RDANA) Training ○ Risk Communication ○ Basic Fire Safety ○ Exercise Design Course ○ NTC Radio Operator Training (Government Radio Operator Certificate) ○ Basic Occupational Safety and Health (BOSH) for SO1 Training (8hr OSH + 2hr TOT) 	<p>All EOC personnel finished the following courses, among others (with Certification/Documentation):</p> <ul style="list-style-type: none"> ○ Orientation on Republic Act 10121, NDRRMC Response Cluster System, Cluster Reporting and other essentials of disaster response ○ Orientation on Disaster Risk Assessment methodologies such as Pre-Disaster Risk Assessment ○ EOC Management Training ○ Basic Incident Command System (ICS) ○ Rapid Damage Assessment and Needs Analysis (RDANA) Training ○ Risk Communication ○ Basic Fire Safety ○ Basic Occupational Safety and Health (BOSH) for SO1 Training (8hr OSH + 2hr TOT)

TYPE 1 EOC	TYPE 2 EOC	TYPE 3 EOC	TYPE 4 EOC
POLICIES, GUIDELINES AND DOCUMENTATIONS			
<p>Documents on Standardization</p> <ul style="list-style-type: none"> ○ ISO 9001 Certification ○ Policies/ guidelines/ standard operating procedures on EOC Management and Operations <p>Organization-related Documents</p> <ul style="list-style-type: none"> ○ Organization structure established within the EOC ○ Designation orders/ assignment orders (Memo, Office Order, Executive Order, etc. as applicable) ○ Checklist of duties and responsibilities <p>Plans</p> <ul style="list-style-type: none"> ○ Approved Public Service Continuity Plan of the agency/office ○ Approved response plans, emergency plans and other plans related to EOC Management and Operations ○ Approved and updated Local DRRM Plans (for LGUs only) <p>Other Admin Documents</p> <ul style="list-style-type: none"> ○ Directories ○ Daily time record/ timesheet/attendance sheet ○ Visitors log sheet ○ Activity logs/documents ○ Property documents ○ Updated inventory of EOC supplies and equipment ○ Consolidation/ repository of all policies, issuances, directives, IEC materials, etc. relevant to DRRM ○ Financial and other administrative documents ○ MOA/MOUs with other partners (agencies, LGUs, non-government/private sector) for resources support 	<p>Documents on Standardization</p> <ul style="list-style-type: none"> ○ Policies/ guidelines/ standard operating procedures on EOC Management and Operations <p>Organization-related Documents</p> <ul style="list-style-type: none"> ○ Organization structure established within the EOC ○ Designation orders/ assignment orders (Memo, Office Order, Executive Order, etc. as applicable) ○ Checklist of duties and responsibilities <p>Plans</p> <ul style="list-style-type: none"> ○ Approved Public Service Continuity Plan of the agency/office ○ Approved response plans, emergency plans and other plans related to EOC Management and Operations ○ Approved and updated Local DRRM Plans (for LGUs only) <p>Other Admin Documents</p> <ul style="list-style-type: none"> ○ Directories ○ Daily time record/ timesheet/attendance sheet ○ Visitors log sheet ○ Activity logs/documents ○ Property documents ○ Updated inventory of EOC supplies and equipment ○ Consolidation/ repository of all policies, issuances, directives, IEC materials, etc. relevant to DRRM ○ Financial and other administrative documents ○ MOA/MOUs with other partners (agencies, LGUs, non-government/private sector) for resources support 	<p>Documents on Standardization</p> <ul style="list-style-type: none"> ○ Policies/ guidelines/ standard operating procedures on EOC Management and Operations <p>Organization-related Documents</p> <ul style="list-style-type: none"> ○ Organization structure established within the EOC ○ Designation orders/ assignment orders (Memo, Office Order, Executive Order, etc. as applicable) ○ Checklist of duties and responsibilities <p>Plans</p> <ul style="list-style-type: none"> ○ Approved Public Service Continuity Plan of the agency/office ○ Approved response plans, emergency plans and other plans related to EOC Management and Operations ○ Approved and updated Local DRRM Plans (for LGUs only) <p>Other Admin Documents</p> <ul style="list-style-type: none"> ○ Directories ○ Daily time record/ timesheet/attendance sheet ○ Visitors log sheet ○ Activity logs/documents ○ Property documents ○ Updated inventory of EOC supplies and equipment ○ Consolidation/ repository of all policies, issuances, directives, IEC materials, etc. relevant to DRRM ○ Financial and other administrative documents ○ MOA/MOUs with other partners (agencies, LGUs, non-government/private sector) for resources support 	<p>Documents on Standardization</p> <ul style="list-style-type: none"> ○ Policies/ guidelines/ standard operating procedures on EOC Management and Operations <p>Organization-related Documents</p> <ul style="list-style-type: none"> ○ Organization structure established within the EOC ○ Designation orders/ assignment orders (Memo, Office Order, Executive Order, etc. as applicable) ○ Checklist of duties and responsibilities <p>Plans</p> <ul style="list-style-type: none"> ○ Approved Public Service Continuity Plan of the agency/office ○ Approved response plans, emergency plans and other plans related to EOC Management and Operations ○ Approved and updated Local DRRM Plans (for LGUs only) <p>Other Admin Documents</p> <ul style="list-style-type: none"> ○ Directories ○ Daily time record/ timesheet/attendance sheet ○ Visitors log sheet ○ Activity logs/documents ○ Property documents ○ Updated inventory of EOC supplies and equipment ○ Consolidation/ repository of all policies, issuances, directives, IEC materials, etc. relevant to DRRM ○ Financial and other administrative documents ○ MOA/MOUs with other partners (agencies, LGUs, non-government/private sector) for resources support

TYPE 1 EOC	TYPE 2 EOC	TYPE 3 EOC	TYPE 4 EOC
ROOMS, AMENITIES AND UTILITIES			
<p>For operations-use</p> <ul style="list-style-type: none"> ○ Responsible official's room/office ○ Conference room ○ Meeting/briefing room ○ Centralized situation/monitoring room ○ Communications room (for receiving calls; serves as hotline center) ○ Joint Information Center/ media room/ public information room (for all engagements with mass media) ○ Radio Room (for operating HF radios, etc.) <p>For admin and support functions</p> <ul style="list-style-type: none"> ○ Administrative room ○ Restroom (must be gender sensitive) ○ Pantry/kitchen ○ Recreation/break area ○ Washing area/sanitation area ○ Water storage/tank ○ Lactation station/area ○ Sleeping quarters ○ Locker room/area ○ Storage room/area ○ ICT Room ○ Data Processing Center ○ Mechanical/electrical switch room <p>Amenities</p> <ul style="list-style-type: none"> ○ Front/reception desk ○ Visitors' area ○ With signage and markers for all rooms and routes 	<p>For operations-use</p> <ul style="list-style-type: none"> ○ Responsible official's room/office ○ Conference room ○ Meeting/briefing room ○ Gender-sensitive restroom ○ Centralized situation/monitoring room ○ Communications room (for receiving calls; serves as hotline center) ○ Joint Information Center/ media room/ public information room (for all engagements with mass media) ○ Radio Room (for operating HF radios, etc.) <p>For admin and support functions</p> <ul style="list-style-type: none"> ○ Administrative room ○ Restroom (must be gender sensitive) ○ Pantry/kitchen ○ Recreation/break area ○ Washing area/sanitation area ○ Water storage/tank ○ Lactation station/area ○ Sleeping quarters ○ Locker room/area ○ Storage room/area ○ ICT Room ○ Data Processing Center ○ Mechanical/electrical switch room <p>Amenities</p> <ul style="list-style-type: none"> ○ Front/reception desk ○ With signage and markers for all rooms and routes 	<p>For operations-use</p> <ul style="list-style-type: none"> ○ Responsible official's room/office ○ Conference room ○ Meeting/briefing room ○ Situation/monitoring room ○ Communications room (for receiving calls; serves as hotline center) ○ Joint Information Center/ media room/ public information room (for all engagements with mass media) ○ Radio Room (for operating HF radios, etc.) <p>For admin and support functions</p> <ul style="list-style-type: none"> ○ Administrative room ○ Restroom/washing area/sanitation area ○ Pantry/kitchen ○ Storage room/area ○ Lactation station/area ○ Sleeping quarters ○ ICT Room ○ Data Processing Center ○ Mechanical/electrical switch room <p>Amenities</p> <ul style="list-style-type: none"> ○ Front/reception desk ○ With signage and markers for all rooms and routes 	<p>For operations-use</p> <ul style="list-style-type: none"> ○ Responsible official's room/office ○ Conference room ○ Meeting/briefing room ○ Situation/monitoring room ○ Joint Information Center/ media room/ public information room (for all engagements with mass media) <p>For admin and support functions</p> <ul style="list-style-type: none"> ○ Administrative room ○ Restroom/washing area/sanitation area ○ Pantry/kitchen ○ Lactation station/area ○ Sleeping quarters ○ Storage room/area ○ ICT Room ○ Data Processing Center ○ Mechanical/electrical switch room <p>Amenities</p> <ul style="list-style-type: none"> ○ Front/reception desk ○ With signage and markers for all rooms and routes

TYPE 1 EOC	TYPE 2 EOC	TYPE 3 EOC	TYPE 4 EOC
OFFICE EQUIPMENT AND TOOLS			
<p>Machines/equipment/tools</p> <ul style="list-style-type: none"> ○ Status displays /monitor screens ○ Television and radio broadcast receivers ○ Desktop/laptop computers per staff ○ Printer ○ Photocopy machine ○ Scanner ○ Projector and screen ○ Public address system / sound system <p>Furnitures</p> <ul style="list-style-type: none"> ○ Tables and chairs ○ Filing cabinets <p>Printed Displays</p> <ul style="list-style-type: none"> ○ Visual aids (maps, charts, infographics) ○ Updated GIS-based AOR map <p>Office Supplies</p> <ul style="list-style-type: none"> ○ White board ○ Paper shredder ○ Other commonly used supplies such as pens, papers, clips, tapes, flipcharts, etc. 	<p>Machines/equipment/tools</p> <ul style="list-style-type: none"> ○ Status displays /monitor screens ○ Television and radio broadcast receivers ○ Desktop/laptop computers per staff ○ Printers ○ Photocopy machine ○ Scanner ○ Projector and screen ○ Public address system / sound system <p>Furnitures</p> <ul style="list-style-type: none"> ○ Tables and chairs ○ Filing cabinets <p>Printed Displays</p> <ul style="list-style-type: none"> ○ Visual aids (maps, charts, infographics) ○ Updated GIS-based AOR map <p>Office Supplies</p> <ul style="list-style-type: none"> ○ White board ○ Paper shredder ○ Other commonly used supplies such as pens, papers, clips, tapes, flipcharts, etc. 	<p>Machines/equipment/tools</p> <ul style="list-style-type: none"> ○ Status displays /monitor screens ○ Television and radio broadcast receivers ○ Desktop/laptop computers per staff ○ Printer ○ Photocopy machine ○ Scanner ○ Projector and screen <p>Printed Displays</p> <ul style="list-style-type: none"> ○ Visual aids (maps, charts, infographics) ○ Updated AOR map <p>Furnitures</p> <ul style="list-style-type: none"> ○ Tables and chairs ○ Filing cabinets <p>Office Supplies</p> <ul style="list-style-type: none"> ○ White board ○ Paper shredder ○ Other commonly used supplies such as pens, papers, clips, tapes, flipcharts, etc. 	<p>Machines/equipment/tools</p> <ul style="list-style-type: none"> ○ Status displays /monitor screens ○ Television and radio broadcast receivers ○ Desktop/laptop computers per staff ○ Printer ○ Photocopy machine ○ Scanner ○ Projector and screen <p>Printed Displays</p> <ul style="list-style-type: none"> ○ Visual aids (maps, charts, infographics) ○ Updated AOR map <p>Furnitures</p> <ul style="list-style-type: none"> ○ Tables and chairs ○ Filing cabinets <p>Office Supplies</p> <ul style="list-style-type: none"> ○ White board ○ Paper shredder ○ Other commonly used supplies such as pens, papers, clips, tapes, flipcharts, etc.

TYPE 1 EOC	TYPE 2 EOC	TYPE 3 EOC	TYPE 4 EOC
SAFETY AND SECURITY FEATURES			
<p>Fire Safety</p> <ul style="list-style-type: none"> ○ Emergency/fire alarm system ○ Fire sprinkler ○ Fire axe ○ Fire blanket ○ Fire extinguisher ○ Fire exit area (with light/signage) <p>Health</p> <ul style="list-style-type: none"> ○ Temperature checker ○ Alcohol dispenser ○ Emergency/medical box ○ Blood pressure monitor ○ Health services/medical room (for EOC duty personnel) ○ Triage area (for EOC duty personnel relative to infectious disease and trauma) <p>Backup Power</p> <ul style="list-style-type: none"> ○ Generator set ○ Emergency lights <p>Security</p> <ul style="list-style-type: none"> ○ CCTV ○ With dedicated security personnel <p>General Safety</p> <ul style="list-style-type: none"> ○ PPE per staff * ○ Proof of compliance with all recommended safety measures based on EOC risk assessment 	<p>Fire Safety</p> <ul style="list-style-type: none"> ○ Emergency/fire alarm system ○ Fire sprinkler ○ Fire axe ○ Fire blanket ○ Fire extinguisher ○ Fire exit area (with light/signage) <p>Health</p> <ul style="list-style-type: none"> ○ Temperature checker ○ Alcohol dispenser ○ Emergency/medical box ○ Blood pressure monitor ○ Health services/medical room (for EOC duty personnel) ○ Triage area (for EOC duty personnel relative to infectious disease and trauma) <p>Backup Power</p> <ul style="list-style-type: none"> ○ Generator set ○ Emergency lights <p>Security</p> <ul style="list-style-type: none"> ○ CCTV ○ With dedicated security personnel <p>General Safety</p> <ul style="list-style-type: none"> ○ PPE per staff * ○ Proof of compliance with all recommended safety measures based on EOC risk assessment 	<p>Fire Safety</p> <ul style="list-style-type: none"> ○ Fire sprinkler ○ Fire extinguisher ○ Fire exit area (with light/signage) <p>Health</p> <ul style="list-style-type: none"> ○ Temperature checker ○ Alcohol dispenser ○ Emergency/medical box <p>Backup Power</p> <ul style="list-style-type: none"> ○ Emergency lights ○ Generator set <p>Security</p> <ul style="list-style-type: none"> ○ CCTV ○ With dedicated security personnel <p>General Safety</p> <ul style="list-style-type: none"> ○ PPE per staff* ○ Proof of compliance with all recommended safety measures based on EOC risk assessment 	<p>Fire Safety</p> <ul style="list-style-type: none"> ○ Fire sprinkler ○ Fire extinguisher ○ Fire exit area (with light/signage) <p>Health</p> <ul style="list-style-type: none"> ○ Temperature checker ○ Alcohol dispenser ○ Emergency/medical box <p>Backup Power</p> <ul style="list-style-type: none"> ○ Emergency lights ○ Generator set <p>Security</p> <ul style="list-style-type: none"> ○ CCTV ○ With dedicated security personnel <p>General Safety</p> <ul style="list-style-type: none"> ○ PPE per staff* ○ Proof of compliance with all recommended safety measures based on EOC risk assessment

*per Rule 1080, Occupational Health and Standards

TYPE 1 EOC	TYPE 2 EOC	TYPE 3 EOC	TYPE 4 EOC
NETWORK AND CONNECTIVITY TOOLS AND EQUIPMENT			
<p>Internet/ Wide and Local Area Network Connectivity</p> <ul style="list-style-type: none"> ○ Committed Information Rate (CIR) – Direct Access Internet ○ High-bandwidth Leased Line Connection <p>Internet/ Wide and Local Area Network Equipment</p> <ul style="list-style-type: none"> ○ Computer Server ○ Multi-WAN Router/Access Point ○ Core Switch ○ Distribution Switch ○ Access Switch ○ KVM Switch ○ Collaboration Server ○ Video Conferencing Equipment ○ Network Attached Storage ○ Cloud-based Storage ○ VoIP Phone ○ Integrated Services Router ○ Structured Cabling ○ Wireless Access Point ○ 42RU Data Cabinet ○ UPS 5000VA ○ External hard drives ○ Portable WiFi/ mobile router <p>Network Security</p> <ul style="list-style-type: none"> ○ UTM System ○ Anti-Virus Software 	<p>Internet/ Wide and Local Area Network Connectivity</p> <ul style="list-style-type: none"> ○ Committed Information Rate (CIR) – Direct Access Internet ○ High-bandwidth Leased Line Connection <p>Internet/ Wide and Local Area Network Equipment</p> <ul style="list-style-type: none"> ○ Computer Server ○ Multi-WAN Router/Access Point ○ Core Switch ○ Distribution Switch ○ Access Switch ○ KVM Switch ○ Collaboration Server ○ Video Conferencing Equipment ○ Network Attached Storage ○ Cloud-based Storage ○ VoIP Phone ○ Integrated Services Router ○ Structured Cabling ○ Wireless Access Point ○ 42RU Data Cabinet ○ UPS 5000VA ○ External hard drives ○ Portable WiFi/ mobile router <p>Network Security</p> <ul style="list-style-type: none"> ○ UTM System ○ Anti-Virus Software 	<p>Internet/ Wide and Local Area Network Connectivity</p> <ul style="list-style-type: none"> ○ Direct Access Internet ○ High-bandwidth Leased Line Connection <p>Internet/ Wide and Local Area Network Equipment</p> <ul style="list-style-type: none"> ○ Computer Server ○ Multi-WAN Router/Access Point ○ Core/Distribution Switch ○ Access Switch ○ KVM Switch ○ Video Conferencing Equipment ○ Network Attached Storage ○ VoIP Phone ○ Structured Cabling ○ Wireless Access Point ○ 42RU Data Cabinet ○ UPS 3000VA ○ External hard drives ○ Portable WiFi/ mobile router <p>Network Security</p> <ul style="list-style-type: none"> ○ UTM System ○ Anti-Virus Software 	<p>Internet/ Wide and Local Area Network Connectivity</p> <ul style="list-style-type: none"> ○ Direct Access Internet <p>Internet/ Wide and Local Area Network Equipment</p> <ul style="list-style-type: none"> ○ Router/Access Point ○ Core/Distribution Switch ○ Access Switch ○ KVM Switch ○ Video Conferencing Equipment ○ Network Attached Storage ○ VoIP Phone ○ Wireless Access Point ○ 12RU Data Cabinet ○ UPS 2500VA ○ External hard drives ○ Portable WiFi/ mobile router <p>Network Security</p> <ul style="list-style-type: none"> ○ UTM System ○ Anti-Virus Software

TYPE 1 EOC	TYPE 2 EOC	TYPE 3 EOC	TYPE 4 EOC
COMMUNICATION TOOLS AND EQUIPMENT			
<p>Radio Communications System</p> <ul style="list-style-type: none"> ○ Integrator ○ HF Base Radio ○ HF Radio Modem ○ UHF Handheld Radio ○ UHF Fixed Repeater System ○ UHF Dispatch System ○ UHF Transportable Repeater ○ UHF Telescope Mast <p>Satellite Communications System</p> <ul style="list-style-type: none"> ○ Satellite Phone ○ Very Small Aperture Terminal (VSAT) ○ VSAT Genset ○ VSAT UPS <p>Telephony System</p> <ul style="list-style-type: none"> ○ Landlines/ telephone lines ○ Cellular/mobile/smart phones ○ Facsimile <p>Unmanned Aerial System (UAS)</p> <ul style="list-style-type: none"> ○ Drones 	<p>Radio Communications System</p> <ul style="list-style-type: none"> ○ HF Base Radio ○ HF Radio Modem ○ UHF Handheld Radio ○ UHF Fixed Repeater System ○ UHF Dispatch System ○ UHF Transportable Repeater ○ UHF Telescope Mast <p>Satellite Communications System</p> <ul style="list-style-type: none"> ○ Satellite Phone ○ Very Small Aperture Terminal (VSAT) ○ VSAT Genset ○ VSAT UPS <p>Telephony System</p> <ul style="list-style-type: none"> ○ Landlines/ telephone lines ○ Cellular/mobile/smart phones ○ Facsimile <p>Unmanned Aerial System (UAS)</p> <ul style="list-style-type: none"> ○ Drones 	<p>Radio Communications System</p> <ul style="list-style-type: none"> ○ HF Base Radio ○ HF Radio Modem ○ UHF Handheld Radio ○ UHF Fixed or/ Transportable Repeater System ○ UHF Telescope Mast <p>Satellite Communications System</p> <ul style="list-style-type: none"> ○ Satellite Phone ○ Very Small Aperture Terminal (VSAT) ○ VSAT Genset ○ VSAT UPS <p>Telephony System</p> <ul style="list-style-type: none"> ○ Landlines/ telephone lines ○ Cellular/mobile/smart phones ○ Facsimile <p>Unmanned Aerial System (UAS)</p> <ul style="list-style-type: none"> ○ Drones 	<p>Radio Communications System</p> <ul style="list-style-type: none"> ○ HF Base Radio ○ HF Radio Modem ○ UHF Handheld Radio ○ UHF Fixed or/ Transportable Repeater System ○ UHF Telescope Mast <p>Satellite Communications System</p> <ul style="list-style-type: none"> ○ Satellite Phone <p>Telephony System</p> <ul style="list-style-type: none"> ○ Landlines/ telephone lines ○ Cellular/mobile/smart phones ○ Facsimile

TYPE 1 EOC	TYPE 2 EOC	TYPE 3 EOC	TYPE 4 EOC
SOFTWARE AND COMPUTER PROGRAMS			
<ul style="list-style-type: none"> ○ Office tools software application ○ Anti-virus software application ○ Video teleconferencing subscription ○ Digital reports/ online dashboard ○ GIS software application ○ Social media accounts ○ SMS Blast System ○ Centralized Online/Automated Dispatch System 	<ul style="list-style-type: none"> ○ Office tools software application ○ Anti-virus software application ○ Video teleconferencing subscription ○ Digital reports/ online dashboard ○ GIS software application ○ Social media accounts ○ SMS Blast System 	<ul style="list-style-type: none"> ○ Office tools software application ○ Anti-virus software application ○ Video teleconferencing subscription ○ Digital reports/ online dashboard ○ Social media accounts ○ SMS Blast System 	<ul style="list-style-type: none"> ○ Office tools software application ○ Anti-virus software application ○ Video teleconferencing subscription ○ Digital reports/ online dashboard ○ Social media accounts ○ SMS Blast System
FACILITY			
<ul style="list-style-type: none"> ○ With insurance coverage for the facility ○ With printed facility diagrams (e.g. floor plan) ○ With perimeter fence and gate ○ With parking lot ○ With gender-sensitive and PWD-friendly facility features ○ With ventilation system inside the facility ○ With available mirror/ backup facility 	<ul style="list-style-type: none"> ○ With insurance coverage for the facility ○ With printed facility diagrams (e.g. floor plan) ○ With perimeter fence and gate ○ With parking lot ○ With gender-sensitive and PWD-friendly facility features ○ With ventilation system inside the facility ○ With available mirror/ backup facility 	<ul style="list-style-type: none"> ○ With insurance coverage for the facility ○ With printed facility diagrams (e.g. floor plan) ○ With perimeter fence and gate ○ With parking lot ○ With gender-sensitive and PWD-friendly facility features ○ With ventilation system inside the facility 	<ul style="list-style-type: none"> ○ With insurance coverage for the facility ○ With printed facility diagrams (e.g. floor plan) ○ With perimeter fence and gate ○ With parking lot ○ With gender-sensitive and PWD-friendly facility features ○ With ventilation system inside the facility
MOBILITY			
<ul style="list-style-type: none"> ○ With mobile EOC ○ With dedicated service vehicle ○ With dedicated motorcycle ○ With GPS installed in vehicles ○ With dispatch system for monitoring of vehicles 	<ul style="list-style-type: none"> ○ With mobile EOC ○ With dedicated service vehicle ○ With dedicated motorcycle ○ With GPS installed in vehicles ○ With dispatch system for monitoring of vehicles 	<ul style="list-style-type: none"> ○ With dedicated service vehicle ○ With dedicated motorcycle ○ With GPS installed in vehicles ○ With dispatch system for monitoring of vehicles 	<ul style="list-style-type: none"> ○ With dedicated service vehicle ○ With dedicated motorcycle ○ With GPS installed in vehicles ○ With dispatch system for monitoring of vehicles