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III MARINE EXPEDITIONARY FORCE
UNIT 35601
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AND
MARINE CORPS INSTALLATIONS PACIFIC-MCB CAMP BUTLER
UNIT 35001
FPO AP 96373-5001

III MEF/MCIPAC-MCBB 3000.1G
G-3
12 MAY 2021

III MARINE EXPEDITIONARY FORCE/MARINE CORPS INSTALLATIONS PACIFIC-MCB CAMP BUTLER ORDER 3000.1G

From: Commanding General, III Marine Expeditionary Force
Commanding General, Marine Corps Installations Pacific-MCB Camp Butler
To: Distribution List

Subj: STANDARD OPERATING PROCEDURES FOR TYPHOON WARNING RESPONSE
(SHORT TITLE: TYPHOON SOP)

Ref: (a) MARFORPAC AMHS; Accountability of Personnel Requirement; 180014Z MAY 19
(b) 5 CFR 630.1605 Telework and Emergency Employees
(c) MCO 12227.1 Telework for Civilian Marines
(d) MCO 3504.2A Operations Event/Incident Report (OPREP-3) Reporting
(e) USFJ Instruction 15-4001 dated 20 May 2019
(f) USFK Regulation 115-1
(g) MCIPACO 3040.1 Personnel Casualty Reporting
(h) III MEF/MCIPAC-MCBB Bul 3006 Equipment and Personnel Support Requirements during Typhoons and other Natural Disasters

Encl: (1) Typhoon Standard Operating Procedures
(2) Appendix A: Example Typhoon Story Board
(3) Appendix B: Tropical Cyclone Condition of Readiness (TCCOR) Action Sets
(4) Appendix C: Emergency Operations Centers (EOC) Points of Contact (POC)
(5) Appendix D: Post Tropical Cyclone Report to USFJ Format

1. Situation. III Marine Expeditionary Force (MEF) and Marine Corps Installations Pacific-MCB Camp Butler (MCIPAC-MCBB) forces are forward deployed in central and southern Japan, an area prone to typhoons and high winds from June to November. The damaging effects of destructive weather increases the risk to personnel, facilities, and mission essential equipment. To protect personnel and installation assets during a typhoon, this Order establishes policy and detailed instructions in preparation for typhoon season.

2. Cancellation

a. III MEF/MCIPAC-MCBB 3000.1F and MCIPAC-MCBB Policy Letter 10-16.

b. Summary of Revisions. Modification to accountability requirements to comply with reference (a). Added enclosure (1): Typhoon Standard Operating Procedures, enclosure (2): Example Typhoon Story Board, enclosure (3): TCCOR Action Sets, enclosure (4): Emergency Operations Centers (EOC) Points

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of Contact (POC), and enclosure (5): Post Tropical Cyclone Report to USFJ Format. Consolidated guidance from MCIPAC-MCBB Policy Letter 10-16.

3. Mission. To promulgate regulations and procedures to prepare and protect III MEF and MCIPAC-MCBB installations and commands. This Order is applicable to members of the United States Armed Forces, dependents, host nation employees, and members of the civilian component assigned to MCIPAC-MCBB installation commands, III MEF, and other tenants and activities operating on MCIPAC-MCBB facilities and areas on Japan and Okinawa.

4. Execution

a. Commander's Intent and Concept of Operations

(1) Commander's Intent

(a) Purpose. To promulgate typhoon planning guidance and response procedures to prevent or mitigate the potential loss of life and/or assets.

(b) Method. Protecting personnel and resources from the effects of a typhoon involves preparation when a typhoon warning is issued and the implementation of appropriate response measures. Preparation prior to a typhoon involves conducting vulnerability assessments, establishing notification procedures, and executing response measures. Upon receipt of a typhoon warning, MCIPAC disseminates the warning through appropriate means of communication to ensure widest dissemination, implements response measures keyed to the threat, and coordinates response measures and recovery activities with local authorities.

(c) End State. III MEF/MCIPAC-MCBB commands are prepared to rapidly disseminate typhoon warning information, are able to implement response measures, and conduct damage control and repair in the event of a typhoon.

(2) Concept of Operations. Standing operating procedures in response to a typhoon involve three critical stages: planning and preparation, notification and response, and recovery.

(a) Planning and Preparation. Typhoon preparation is a collective process conducted by all commands and local emergency responders to minimize loss of life. Planning is essential to execute a timely and effective response upon the receipt of a typhoon warning. Planning includes vulnerability assessments, identification of key communications nodes and dissemination methods, designation of safe haven areas, assignment of responsibilities, and training and exercising key personnel in response procedures.

(b) Notification and Response

1. Notification and Response Procedures. Tropical Cyclone Conditions of Readiness (TCCOR) are established by USFJ and issued by TCCOR authorities identified in reference (c). The TCCOR Authority on Okinawa is the Commander, United States Air Force, 18th Wing (18th Wing); in the Iwakuni area, it is the Commanding Officer (CO), Marine Corps Air Station (MCAS) Iwakuni; and in the Kanto Plain area, which encompasses Combined Arms Training Center (CATC) Camp Fuji, it is the Director of Operations, USFJ. On the Korean Peninsula, TCCOR authority is United States Forces Korea identified in reference (f). TCCOR authority for Marine Corps Base (MCB) Hawaii is Commander Joint

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Task Force Homeland Defense Hawaii. Actions in response to the receipt of a typhoon warning supersede all other responsibilities. However, as there are typhoon warnings and bulletins issued for the Pacific region on a routine basis, a quick assessment is required to determine the significance of the typhoon warning and whether or not actions are required. Typhoon warnings, notifications, and response procedures must be reviewed and exercised annually to maintain proficiency and emergency preparedness. MCIPAC-MCBB will receive typhoon warnings via the National Japan Meteorological Agency (JMA) or from the Pacific Joint Typhoon Warning Center (JTWC) via official automated message handling system (AMHS) traffic, or email notification.

2. National Japan Meteorological Agency (JMA)

a. The National JMA is responsible for issuing typhoon forecasts for Japan. The National JMA weather forecasts are divided into typhoons, tsunamis, earthquakes, and volcanoes.

b. The National JMA will disseminate typhoon warnings to the 18th OSS/OSW, Kadena Base Weather Flight.

c. Upon notification, 18th OSS/OSW, Kadena Base Weather Flight will pass the typhoon warning via strike meeting at the 18th Wing Command Center. The MCIPAC G-3 sends the current operation officer to the strike meeting.

d. Upon notification, the 18th OSS/OSW will pass the typhoon warning to the III MEF Battle Center (MBC), MCIPAC-MCBB AC/S, G-3, Base Emergency Operations Center (BEOC) Watch Officer (during working hours) and the Base Watch OOD after working hours via their established typhoon warning notification call. This is the primary means of receiving typhoon warnings.

e. Additionally, the MCIPAC-MCBB AC/S, G-3 Current Operations section will pass typhoon warnings to all other units on Okinawa via AtHoc, e-mail, and official message traffic (during working hours), and the OOD, or Typhoon Watch Officer will send the warnings after working hours.

3. Regional JMA (Naha, Okinawa, Japan Meteorological Agency)

a. The Regional JMA office in Naha also generates typhoon warnings either independently or in coordination with the National JMA. Once the Regional JMA office in Naha generates a typhoon warning, they notify OPG and the local media.

b. The Regional JMA or Okinawa Prefectural Government (OPG) will notify the BEOC Watch Officer or the OOD of a typhoon warning via telephone or email.

c. Additionally, the OPG will use an alarm/speaker system to notify local Okinawa communities in the event of a tsunami or other impending disaster. These announcements will be in Japanese.

d. These will also be posted on most local news television stations.

4. Pacific Joint Typhoon Warning Center (JTWC)

a. The Pacific JTWC issues typhoon information bulletins and warnings via email and official message traffic.

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b. The BEOC Watch Officer and the OOD email accounts are both registered with the JTWC to receive email notifications of typhoon warnings.

c. Official message traffic from the JTWC is received on the CG MCIPAC JP AMHS address. JTWC message traffic is sent to the CG MCIPAC JP AMHS account, and viewed by the OOD.

5. Accountability. Each Major Subordinate Command (MSC) or Major Subordinate Element (MSE) will report accountability IAW reference (a) to the III MEF Battle Center (MBC) within two hours of declaration of TCCOR-1 and two hours of declaration of TCCOR-1 Recovery (1R) after storm passage. Accountability for MCIPAC-MCBB Headquarters and Support Battalion (H&S Bn) and MCAS Futenma Headquarters and Headquarters Squadron (HQHQRON) active duty, civilian, and contractor personnel will be reported by section in Marine Online (MOL) and units will report to the MCIPAC-MCBB OOD once section reporting is complete. The MCIPAC-MCBB OOD will report consolidated H&S Bn and HQHQRON completion to the MBC. Additionally, within two hours of declaration of TCCOR-1R, all Camps and Stations will report initial damage assessments to the Base Emergency Operations Center (BEOC).

a. If TCCOR-1 is initiated but destructive winds do not become a factor, no additional accountability is required when TCCOR-SW or TCCOR-AC is initiated.

b. If TCCOR-1 or TCCOR-1R occur between the hours of 2200-0600, accountability will be initiated at 0600, and reported NLT 0800 the following morning.

c. Once full III MEF/MCIPAC-MCBB accountability is complete, MBC will report to U.S. Marine Corps Forces, Pacific (MARFORPAC) via AMHS message in accordance with reference (a).

6. Fitness for Duty. The consumption and purchase of alcohol for all Status of Forces Agreement (SOFA) personnel within III MEF/MCIPAC-MCBB is prohibited during TCCOR-1, TCCOR-1 Caution, TCCOR-1 Emergency, TCCOR-1 Recovery, and any TCCOR-Storm Watch conditions associated with the same tropical storm that resulted in a TCCOR higher than TCCOR-1.

a. This prohibition applies to personnel residing in government housing, off-base residences, Bachelor Officers Quarters, Bachelor Enlisted Quarters, and barracks.

b. Only when the TCCOR level returns to "All Clear" is alcohol purchase and consumption authorized.

7. Telework for Civilians. In accordance with references (b) and (c), telework program participants will not receive weather or safety leave during severe weather which occurs during their normal tour of duty as long as they can work safely from their approved telework site during the weather or safety-related emergency. If a situation exists to prevent a telework eligible employee from completing their standard tour of duty, they should contact their supervisor to request leave or receive administrative excusal for compelling reasons. Compelling reasons for a supervisor to approve administrative leave for a telework eligible employee during severe weather or safety-related emergency include:

a. Power outages at the telework site.

b. Inability to access materials necessary to perform work.

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c. Evacuation by local authorities.

8. Return to Work Policy. Members of Marine Corps Total Force activities, employees of civilian components that include appropriated and non-appropriated activities, and operations under the sponsorship of the Marine Corps Community Services (MCCS) Program Director, or unit MCCS officers assigned to MCIPAC-MCBB are considered covered personnel under this guidance.

a. At the issuance of TCCOR-SW or TCCOR-All Clear, whichever occurs first, all covered personnel will return to work within two hours unless instructed otherwise by their chain of command.

b. Upon notification of TCCOR-SW or All Clear, covered personnel shall immediately contact their first line supervisor if hazardous conditions such as downed power lines, flooding, or blocked roads continue to exist at their home or in their vicinity preventing their return to work within two hours.

c. Supervisors shall take into consideration the need for covered personnel to return to work based on the following criteria: existence of hazardous conditions, mission requirements, time remaining in duty day when TCCOR-SW or All Clear is announced, location of personnel's residence, or other criteria which may cause dangerous conditions for transit.

d. Individuals working for a contractor are not considered covered personnel under this guidance. Contractors should consult their supervisor for guidance concerning hazardous conditions and returning to work following the issuance of TCCOR-SW or All Clear.

9. Water and Shore Safety

a. Personnel shall not enter open water for recreational purposes during Sea Condition Danger and from the setting of TCCOR-2 through TCCOR-SW. Examples of open water include, but are not limited to: territorial seas, navigable waters, reservoirs, lakes, ponds, rivers, and streams.

b. Personnel shall stay away from open water and shorelines during TCCOR-2 through TCCOR-SW as swift water from spilling waves returning to sea, flooding, and storm surge can sweep unsuspecting site-seers into hazardous waters under life-threatening conditions.

(c) Recovery Procedures. In the event of a destructive typhoon, the recovery process will be critical. Recovery involves search and rescue operations, conducting damage assessments, restoring damaged infrastructure, providing urgent life support for displaced persons, and documentation of the event. Depending on the destructiveness of the typhoon, this stage could last anywhere from a few hours to several weeks.

b. Tasks

(1) MCIPAC-MCBB Assistant Chief of Staff (AC/S), G-1

(a) Source typhoon watch teams and other validated personnel requirements in coordination with the MCIPAC AC/S G-3.

(b) Prepare personnel status reports as required in accordance with references (a) and (d).

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(c) Assist the G-3 to prepare casualty and serious incident reports (SIR).

(d) Report accountability to the MCIPAC OOD within two hours of declaration of TCCOR-1 and two hours of declaration of TCCOR-1 Recovery (1R) after storm passage.

(2) MCIPAC-MCBB AC/S, G-2. Report accountability to the MCIPAC OOD within two hours of declaration of TCCOR-1 and two hours of declaration of TCCOR-1 Recovery (1R) after storm passage.

(3) MCIPAC-MCBB AC/S, G-3

(a) Responsible for the development, dissemination, and maintenance of this Order.

(b) Exercise typhoon warning and notification procedures annually in accordance with reference (e).

(c) Coordinate typhoon-warning procedures with all external commands and organizations to include Armed Forces Network (AFN), 18th Wing, Commander, Fleet Activities Okinawa (CFAO), and 10th Regional Support Group (10RSG).

(d) Coordinate the training of Camp/Station typhoon watch officers and OOD on the typhoon-warning checklist.

(e) Be prepared to activate the BEOC to coordinate recovery efforts in the event of a major typhoon.

(f) Coordinate base access procedures and policies for MCIPAC Installations with 18th Wing, CFAO, and 10RSG.

(g) Attend the 18th Wing Strike meeting upon notification of TCCOR-3 or as scheduled by 18th Wing (Okinawa specific).

(h) Collect and coordinate TCCOR reports from Marine Corps Air Station (MCAS) Futenma, MCAS Iwakuni, CATC Camp Fuji, Camp Mujuk, and MCB Hawaii as required.

(i) Prepare and release OPREP-3 SIR messages as required in accordance with references (d), and (e).

(j) Coordinate installation emergency services in conducting evacuations (Fire Department).

(k) Be prepared to establish on scene command and operations in order to conduct rescue and mass casualty operations (Fire Department).

(l) In the event of a typhoon, notify all Provost Marshal's Office (PMO) stations and conduct the following actions:

1. Be prepared to establish traffic control to assist in the surge of traffic from the personnel departing the bases once TCCOR-1 is announced.

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2. Be prepared to post two Marines minimum on all gates designated by the camp or station commander to remain open during TCCOR-1 Caution (1C) through TCCOR-1 Recovery (1R).

3. Be prepared to assist camp and station commanders and Facilities Division personnel during the recovery process, ensuring all hazardous areas are properly cordoned off and personnel responsible for the site can safely control access.

4. Ensure that any breaches in the Camp or Station perimeters are identified and secured with the appropriate security personnel.

5. Coordinate with each Camp and Station EOC concerning all fire/ambulance emergency response and emergency maintenance operations as they occur.

(m) Assist Camp/Station Commanders to establish typhoon evacuation routes for all displaced SOFA personnel to temporary billeting.

(n) Submit a Post Tropical Cyclone Report within 24 hours of declaration of TCCOR-1 Recovery. The report will be submitted through Service Component Command Centers to the USFJ Command Center at pacom.yokota.usfj.mbx.command-center@mail.mil.

(o) Report accountability to the MCIPAC OOD within two hours of declaration of TCCOR-1 and two hours of declaration of TCCOR-1 Recovery (1R) after storm passage.

(4) MCIPAC-MCBB AC/S, G-4

(a) Lead the planning and staffing process to publish the annual III MEF/MCIPAC-MCBB Bul 3006 no later than 1 May prior to the typhoon season and USFJ typhoon exercise.

(b) Coordinate typhoon supply and equipment resourcing to include policy and procedures for dissemination, control, reporting, and collection of all classes of supplies.

(c) Report accountability to the MCIPAC-MCBB OOD within two hours of declaration of TCCOR-1 and two hours of declaration of TCCOR-1 Recovery (1R) after storm passage.

(5) MCIPAC-MCBB AC/S, G-5. Report accountability to the MCIPAC-MCBB OOD within two hours of declaration of TCCOR-1 and two hours of declaration of TCCOR-1 Recovery (1R) after storm passage.

(6) MCIPAC-MCBB AC/S, G-6

(a) In coordination with the G-3, develop and maintain a typhoon communication plan and coordinate Chapter 5 "Communications" of enclosure (1).

(b) In coordination with the G-3, develop and maintain typhoon warning information for inclusion in the web based telephone book.

(c) Develop and maintain e-mail address accounts, telephone conference bridges, and message traffic.

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(d) Be prepared to provide/coordinate communications support for disaster relief operations.

(e) Be prepared to restore damaged communication infrastructure.

(f) Report accountability to the MCIPAC-MCBB OOD within two hours of declaration of TCCOR-1 and two hours of declaration of TCCOR-1 Recovery (1R) after storm passage.

(7) MCIPAC-MCBB AC/S, G-7. Report accountability to the MCIPAC-MCBB OOD within two hours of declaration of TCCOR-1 and two hours of declaration of TCCOR-1 Recovery (1R) after storm passage.

(8) MCIPAC-MCBB AC/S, G-8. Report accountability to the MCIPAC-MCBB OOD within two hours of declaration of TCCOR-1 and two hours of declaration of TCCOR-1 Recovery (1R) after storm passage.

(9) MCIPAC-MCBB Staff Judge Advocate

(a) Establish, coordinate, and disseminate typhoon damage claims procedures.

(b) Report accountability to the MCIPAC-MCBB OOD within two hours of declaration of TCCOR-1 and two hours of declaration of TCCOR-1 Recovery (1R) after storm passage.

(10) MCIPAC-MCBB Facilities (G-F) Division

(a) Coordinate all facilities preparations, emergency damage repair, and recovery operation established in enclosure (1).

(b) Establish Damage Assessment Teams and consolidate/submit damage reports as required during the recovery process.

(c) Report accountability to the MCIPAC-MCBB OOD within two hours of declaration of TCCOR-1 and two hours of declaration of TCCOR-1 Recovery (1R) after storm passage.

(11) MCIPAC-MCBB Communications Strategy (COMMSTRAT). Publish information on typhoon warnings, immediate actions, vulnerable areas, and other relevant information as determined by the MCIPAC COMMSTRAT director via command information channels, including command websites and social media platforms. Coordinate with AFN leadership, IOT enable information alignment and dissemination via the AFN TV and radio stations.

(12) MCIPAC-MCBB Chaplain

(a) Be prepared to activate Chaplain's Crisis Response Plan.

(b) Be prepared to provide Chapel Facilities as temporary Safe Haven Sites as required by the camp or station commander.

(c) Be prepared to provide assistance and support to all emergency response personnel.

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(13) MCIPAC-MCBB Camp/Station Commanders

(a) Coordinate with tenant commands for personnel support for typhoon watch teams and equipment operators in accordance with the annual III MEF/MCIPAC-MCBB Bul 3006, which identifies personnel, equipment requirements, and sourcing.

(b) Activate Emergency Operations Centers (EOCs) in accordance with the enclosure to receive and forward status and damage reports from all tenant activities and forward to OOD, Base, or Station typhoon watch team and coordinate recovery efforts.

(c) Plan for the operation of mess halls up to TCCOR-1 and close mess halls during TCCOR-1C, TCCOR-1E, and TCCOR-1R.

(d) Conduct BEOC net radio checks in accordance with enclosure (1) Chapter 5.

(e) Plan for emergency communications, transportation, and the evacuation of temporary facilities.

(f) Ensure the appropriate force protection measures are implemented before, during, and after a typhoon.

(g) In coordination with PMO, establish Entry Control Point (ECP) staffing and traffic control procedures and control all movement aboard respective Camps/Stations during TCCOR-1E and 1R.

(h) Conduct safety assessments of respective Camp/Station once TCCOR-1R is set by TCCOR authority, and report damage and unsafe conditions to the Maintenance Operations Center (see chapter 6) and OOD/BEOC. Once assessment is complete and hazard mitigation is initiated to acceptable levels of risk as determined by the respective Camp/Station Commander, report to OOD/BEOC when ready to change TCCOR to All Clear.

(14) MCAS Futenma

(a) Once the TCCOR authority announces TCCOR-1; ensure all pre-actions are complete, as required, prior to TCCOR-1C, 1E, 1R, and All Clear to ensure the safety and protection of service members, families, and facilities.

(b) Report all changes in TCCOR to the typhoon watch team.

(c) Complete enclosure (2) for each change in typhoon condition and return to MCIPAC-MCBB G-3.

(d) Report all damages sustained during a typhoon to the BEOC.

(e) Report accountability to the MCIPAC OOD within two hours of declaration of TCCOR-1 and two hours of declaration of TCCOR-1 Recovery (1R) after storm passage.

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(15) MCAS Iwakuni

(a) Direct Liaison Authorized (DIRLAUTH) with USFJ in accordance with reference (e) requirements as the TCCOR authority in the Iwakuni area. Once the TCCOR authority announces TCCOR-1; ensure all pre-actions are complete, as required, prior to TCCOR-1C, 1E, 1R, and All Clear to ensure the safety and protection of service members, families, and facilities.

(b) Report all changes in TCCOR to the typhoon watch team.

(c) Complete enclosure (2) for each change in typhoon condition and return to MCIPAC-MCBB G-3.

(d) Report all damages sustained during typhoon to the BEOC.

(e) Report accountability to the MCIPAC-MCBB OOD within two hours of declaration of TCCOR-1 and two hours of declaration of TCCOR-1 Recovery (1R) after storm passage.

(16) CATC Camp Fuji

(a) DIRLAUTH with USFJ in accordance with reference (e) requirements.

(b) Once the TCCOR authority announces TCCOR-1, ensure all pre-actions are complete, as required, prior to TCCOR-1C, 1E, 1R, and All Clear to ensure the safety and protection of service members, families, and facilities.

(c) Report all changes in TCCOR to the typhoon watch team.

(d) Complete enclosure (2) for each change in typhoon condition and return to MCIPAC-MCBB G-3.

(e) Report all damages sustained during typhoon to BEOC.

(f) Report accountability to the MCIPAC-MCBB OOD within two hours of declaration of TCCOR-1 and two hours of declaration of TCCOR-1 Recovery (1R) after storm passage.

(17) Camp Mujuk

(a) DIRLAUTH with USFK in accordance with reference (f) requirements.

(b) Once the TCCOR authority announces TCCOR-1, ensure all pre-actions are complete, as required, prior to TCCOR-1C, 1E, 1R, and All Clear to ensure the safety and protection of service members, families, and facilities.

(c) Report all changes in TCCOR to the typhoon watch team.

(d) Complete enclosure (2) for each change in typhoon condition and return to MCIPAC-MCBB G-3.

(e) Report all damages sustained during typhoon to BEOC.

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(f) Report accountability to the MCIPAC-MCBB OOD within two hours of declaration of TCCOR-1 and two hours of declaration of TCCOR-1 Recovery (1R) after storm passage.

(18) United States Naval Hospital, Okinawa (USNHO)

(a) Establish procedures to establish an alternate location for maintaining operations in the event a typhoon damages the hospital.

(b) Be prepared to activate the Emergency Management Plan.

(c) Maintain accountability of all personnel and family members.

(d) Be prepared to support each Camp/Station with ambulance support during the duration of the typhoon (ambulances are staged at the Fire Department on each Camp/Station per the III MEF/MCIPAC-MCBB Bul 3006).

(19) III MEF

(a) Receive BEOC Watch Officer personnel accountability reports for all MCIPAC-MCBB staff, installations, and commands.

(b) Prepare personnel status reports.

(c) Prepare casualty PCRs and OPREP-3 SIRs in accordance with references (d) and (e). Ensure MARFORPAC and USFJ Command Centers are CC'd on the reports, as applicable.

(d) Source replacement personnel and augments as coordinated in annual III MEF/MCIPAC-MCBB Bul 3006.

(e) Submit MSC and MSE Aircraft Evaluation and Hangaring Reports (AEHR), Operations and Training Impact Statements (OTIS), and General Officer Movement Reports (GOMR) to the Marine Forces Pacific (MFP) COC.

(f) Consolidate MSC and MSE accountability reports IAW reference (a) within two hours of declaration of TCCOR-1 and two hours of declaration of TCCOR-1 Recovery (1R) after storm passage.

c. Coordinating Instructions

(1) MCIPAC-MCBB is the lead agency for coordinating typhoon warning response and disaster relief operations on Okinawa for Marine Corps Camps/Stations. The primary and alternate BEOC are located on Camp Foster.

(2) The MCIPAC-MCBB OOD or Installation Emergency Manager directs typhoon warning responses for Okinawa-based MCIPAC-MCBB units until the BEOC is activated.

(3) No typhoon passes will be issued or accepted aboard MCIPAC Okinawa installations. Personnel requiring transportation during TCCOR 1E & 1R will coordinate transportation requests through Camp/Station EOC for approval and sourcing of transportation in approved tactical or heavy duty commercial vehicles. Limited transportation will be available and all commands/organizations that

anticipate a requirement to move personnel during TCCOR 1E & 1R should consider standing up a typhoon watch. Camp/Station EOC, PMO, Fire, G-F Emergency Maintenance, Family Housing Emergency Maintenance, and any other maintenance vehicles and personnel will be properly equipped to handle all emergent requirements during TCCOR 1E & 1R and coordinate all vehicle/personnel movement with each Camp/Station EOC. Enclosure (4) lists all Camp/Station EOC and contact numbers for movement coordination.

5. Administration and Logistics

a. See reference (e).

b. Key Points of Contact:

- (1) MARFORPAC: 477-0077
- (2) MCICOM: Class A Line – 99-009-1-910-391-4419
- (3) USFJ Command Center: 223-6065
- (4) 18th Wing Command Post: 634-1800
- (5) III MEF Command Center: 622-7706
- (6) 10RSG COC: 644-4715
- (7) BCOC5: 645-0264
- (8) MCIPAC OOD: 645-7218

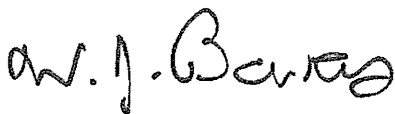
6. Command and Signal

a. Command

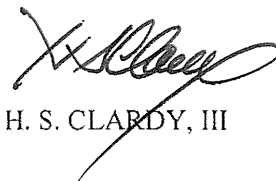
(1) This Order is applicable to all MCIPAC-MCBB installations, units, tenant commands, and tenant activities.

(2) Nothing in this Order prevents Installation, Camp, or Station Commanders from establishing or directing additional typhoon warning measures, as deemed necessary, to protect life and property.

b. Signal. This Order is effective the date signed.



W. J. BOWERS



H. S. CLARDY, III

DISTRIBUTION: III MEF Lists I, II
MCIPAC-MCBB List A

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Definitions1. Abbreviations

MBC	III MEF Battle Center
ATA	Actual Time of Arrival
AFN	Armed Forces Radio and Television Network
AMHS	Automatic Message Handling System
BCOC-5	Base Cluster Operations Center - 5
BEOC	Base Emergency Operations Center
MTB	Motor Transport Branch
OOD	Officer of the Day
BX	Base Exchange
CEOC	Camp Emergency Operations Center
COC	Command Operations Center
CFAO	Commander Fleet Activities Okinawa
DCC	Damage Control Center
DCO	Damage Control Officer
DCS	Defense Collaboration Services
DEC	Third Marine Division Emergency Command
DWO	Destructive Weather Officer
ESCC	Evacuation Sector Control Center
F/P	Fire Protection
FSO	Food Support Officer
NTV	Non-Tactical Vehicle
GSU	General Support Unit
HQ	Headquarters
Hz	Hertz
IFR	Instrument Flight Rules
JECC-O	Joint Emergency Coordination Center- Okinawa
JMA	Japan Meteorological Agency
JTWC	Joint Typhoon Warning Center
JWTC	Jungle Warfare Training Center
KW	Kilowatt
Kts	Knots
LZ	Landing Zone
MAW	Marine Aircraft Wing
MCBB	Marine Corps Base Camp Butler
MCIPAC	Marine Corps Installations Pacific
MRE	Meal Ready-to-Eat
NCS	Network Control Station
NIPR	Non-classified Internet Protocol Router
NM	Nautical Miles
NOTAM	Notice to Airmen
OAC	Okinawa Area Coordinator
OEPC	Okinawa Electric Power Company
Opr	Operator
PPR	Prior Permission Required

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PX	Post Exchange
RI	Responsible Individual
SG	10th Support Group (Regional)
SW	Storm Watch
TACAN	Tactical Air Navigation System
TASS	Tactical Automatic Switching System
TGL	The Green Line
TCO	Typhoon Control Officer
TCCOR	Tropical Cyclone Condition of Readiness
Trl	Trailer
TWO	Typhoon Watch Officer
USFJ	United States Forces Japan
USFK	United States Forces Korea
VMC/IMC	Visual/Instrument Meteorological Conditions

2. Definitions

- a. Destructive Weather. Any act of nature that produces injury, death, disease, property damage or loss, or interruption of essential services.
- b. Cyclone. A closed atmospheric circulation rotating about an area of low pressure (counterclockwise) in Northern Hemisphere.
- c. Tropical Cyclone. A non-frontal, low pressure system developing over tropical or sub-tropical waters with organized deep convection and a closed surface wind circulation about a well-defined center.
- d. Tropical Depression. A tropical cyclone in which the maximum sustained surface wind (one minute mean) is 33 knots or less.
- e. Tropical Storm. A tropical cyclone in which the maximum sustained surface wind (one minute mean) ranges from 34 to 63 knots.
- f. Typhoon. A tropical cyclone in which the maximum sustained surface wind (one minute mean) ranges from 64 to 129 knots.
- g. Super Typhoon. A tropical cyclone in which the maximum sustained surface wind (one minute mean) is 130 knots or greater.
- h. Maximum Sustained Surface Wind. Highest surface wind speed of a tropical cyclone averaged over a one-minute period. (Note: Sudden temporary gusts may be of substantially greater velocity, e.g., maximum sustained winds of 60 knots may include gusts of 85 knots).
- i. Destructive Wind. Surface winds of ≥ 50 knots sustained or ≥ 60 knot gusts.
- j. Flood. The inundation of areas not normally submerged caused by heavy rain or abnormal tides.
- k. Landslide. A mass of earth and rocks sliding down a mountain side.
- l. Tidal Wave (tsunami). A large wave caused by high wind or earthquakes.

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- m. Red Area. Areas between sea level and 30 feet above sea level.
- n. Yellow Area. Areas between 31 and 100 feet above sea level.
- o. Green Area. Areas 101 feet above sea level or greater.
3. Tropical Cyclone Condition of Readiness (TCCOR). To provide a basis for preparation and decision, the following TCCOR are used (note: All wind speeds shown include gusts. The wind speeds shown below serve as a guide for decision making. As outlined in reference (e) the final decision rests with the Commander, 18th Wing based on wind speed, weather forecast, safety, operational, and mission concerns).
- a. TCCOR Storm Watch (SW). Winds are not forecast to exceed ≥ 50 knots sustained or ≥ 60 knot gusts (the criteria for destructive winds) but a probability of high winds exists due to the proximity of the storm. High winds may include gusts exceeding 50 knots and/or sustained winds meeting TCCOR-1 Caution criteria. The storm is also close enough to the area that a heightened alert status is necessary in order to rapidly establish elevated TCCOR conditions should the storm deviate from the forecast track. Personnel should follow Standard Operating Procedures for TCCOR Storm Watch and stay alert for any changes to TCCOR status.
- b. TCCOR-5. Destructive winds ≥ 50 knots sustained or ≥ 60 knot gusts are possible within 96 hours. TCCOR-5 is only used outside of established typhoon season, and not typically used in Okinawa.
- c. TCCOR-4. Destructive winds of ≥ 50 knots sustained or ≥ 60 knot gusts are possible within 72 hours. TCCOR-4 will be continuously in effect as a minimum condition of readiness from 1 June to 30 November annually.
- d. TCCOR-3. Destructive winds of ≥ 50 knots sustained or ≥ 60 knot gusts are possible within 48 hours.
- e. TCCOR-2. Destructive winds of ≥ 50 knots sustained or ≥ 60 knot gusts are possible within 24 hours.
- f. TCCOR-1. Destructive winds of ≥ 50 knots sustained or ≥ 60 knot gusts are anticipated within 12 hours.
- g. TCCOR-1 Caution* (1C). Destructive winds of ≥ 50 knots sustained or ≥ 60 knot gusts are anticipated. Observed winds are 35-49 knots.
- h. TCCOR-1 Emergency* (1E). Destructive winds of ≥ 50 knots sustained or ≥ 60 knot gusts are occurring.
- i. TCCOR-1 Recovery* (1R). Winds of 50 knots sustained or greater are no longer forecast to occur. Strong winds may still exist.
- j. TCCOR All Clear* (AC). The storm is over and not forecasted to return and recovery efforts are complete.

*Note. TCCOR-1 Caution, Emergency, Recovery, and All Clear are delegated to the Installation Commanding Officers by the TCCOR authority.

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Chapter 2

Typhoon Checklist1. Pre-Typhoon Season (December-May)a. MCBB Staff Sections

(1) AC/S, G-3, MCBB. During May, conduct one typhoon drill to activate the damage control organization outlined in Chapter 3. This will include the mustering and briefing of damage control personnel.

(2) AC/S, G-1. Designate three Officers and three Staff Noncommissioned Officers (SNCOs) as Typhoon Watch Officers/SNCOs. Submit names to AC/S, G-3 no later than 15 April.

(3) Adjutant. Publish names of watch personnel as enclosure (3) of BBul 1601 Monthly Command Duty Section Assignments prior to and during the typhoon season of 1 June to 30 November annually.

(4) AC/S, G-4. Publish annual III MEF/MCIPAC-MCBB Bulletin 3006, reference (h), which identifies typhoon personnel and equipment support requirements and sourcing units no later than 1 April.

b. Camp/Station Commanders. Coordinate with tenant commands tasked in accordance with reference (f) for designated personnel for typhoon watch teams, equipment and equipment, operators.

c. Tenant Units. Provide support to Camp/Station Commanders as tasked in reference (h).

d. Destructive Weather Rations. Destructive weather rations will be requested, issued, and returned in accordance with Chapter 4.

2. TCCOR-5. Destructive winds are possible within 96 hours. TCCOR-5 is not typically used in Okinawa.

3. TCCOR-4. Destructive winds are possible within 72 hours.

a. MCBB Staff Sections(1) AC/S, G-3

(a) Be prepared to execute all phases of this Order.

(b) Maintain and update the typhoon storyboard.

(2) General Facilities (G-F) Division. See Chapter 6 of this Order.

(3) AC/S, G-6. See Chapter 5 of this Order.

b. Camp/Station Commanders. Be prepared to execute all phases of this Order.

c. Tenant Units. Be prepared to execute all phases of this Order.

4. TCCOR-3. Destructive winds are possible within 48 hours. Activities aboard military installations will continue without interruption. As the threat of a typhoon becomes greater, service commanders will progressively prepare their facilities against potential storm damage. If a storm begins to move away while Okinawa is in TCCOR-3, then a return to TCCOR-SW, All Clear (1 December through 31 May), or TCCOR-4 (1 June through 30 November) may be declared.

a. Officer of the Day (OOD) (after working hours); MCBB AC/S, G-3 (during working hours)

(1) Upon receipt of a TCCOR-3 alert, notify Key Personnel/Camp/Station Commanders in the sequence listed in (Figure 2-1).

(2) Upon declaration of TCCOR-3, the Typhoon Watch team will report to the G-3 COPSO for a typhoon brief. Upon declaration of TCCOR-1, the Typhoon Watch Officer (TWO) and SNCO will relieve the OOD. At TCCOR All Clear they will be relieved by the scheduled OOD.

(3) Update and release the tropical weather storyboard, enclosure (2).

(4) Update and release AMHS message with the tropical typhoon condition established (Figure 2-4).

(5) Initiate the Defense Collaboration Services (DCS) chat, and inform Key Personnel/Camp/Stations regarding login and monitoring.

(6) Log all significant events in the OOD Logbook.

b. Camp/Station Commanders

(1) Notify tenant units of TCCOR-3.

(2) Organize and prepare to activate the Camp/Station Emergency Operations Center (CEOC) to receive and forward up-to-date information. Conduct CEOC net radio checks as required.

(3) Plan for the evacuation of temporary buildings. Temporary buildings will be evacuated during TCCOR-2 if winds in excess of 75 kts are expected. Request overflow billeting space through the Base General Facilities Division if required.

(4) Plan for the operation of mess halls during TCCOR-1 and close mess halls during TCCOR-1C, 1E, and 1R.

(5) Supervise the securing of loose equipment, supplies or debris subject to wind or water damage or which could cause injury or damage by being blown about. Notify the OOD when completed.

(6) Coordinate support to tenant units as requested.

(7) Plan for the billeting and messing of personnel furnished by external sources. Plan for emergency communications, transportation, and the evacuation of temporary facilities.

(8) Continue normal routine.

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c. Tenant Units

- (1) Be prepared to support all phases of the Order.
- (2) Store two days' supply of water for drinking and sanitary purposes in billeting areas.

d. III MEF Command Center. Activate communication nets per Chapters 5, 7, and 9 of this Order.

5. TCCOR-2. Destructive winds are anticipated within 24 hours. Normal activities aboard military installations continue without interruption. If the storm changes direction or abates while Okinawa is in TCCOR-2, a return to TCCOR-SW or TCCOR-4/All Clear may be declared.

a. MCIPAC-MCBB AC/S G-3 or OOD (after hours)

(1) Upon receipt of a TCCOR-2 alert from Kadena Air Base Weather, repeat action as required in paragraph 4.a. of this chapter.

(2) OOD assumes the duties as the OOD/Base Emergency Operations Center (BEOC) watch officer after working hours. Activate the OOD/BEOC radio net, conduct LMR radio checks with all Camp/Stations, and then secure the net until TCCOR-1 is set.

(3) Notify OOD/BEOC personnel (TWO/SNCO) of current TCCOR and advise them to prepare to stand up. Upon setting of TCCOR-1, the OOD/BEOC TWO/SNCO will assume their duties.

b. Camp/Station EOC

(1) Promulgate the setting of TCCOR-2 to tenant units.

(2) Prepare to activate the Camp/Station EOC.

(3) Respond to OOD/BEOC LMR radio check. OOD/BEOC will conduct one net check and then secure the net until TCCOR-1 is set.

(4) Muster and brief Damage Control teams per Chapter 3 of this Order. Where assigned, vehicles and drivers report.

(5) Continue securing loose equipment and debris.

(6) Evacuate temporary facilities as required. Ensure proper security. Notify the OOD/BEOC of evacuated facilities.

(7) Continue normal activities.

c. Tenant Units

(1) Provide personnel and equipment for damage control (DC) functions as required per reference (f). Ensure personnel walk unit area prior to the storm IOT increase awareness and reporting after the storm. Personnel assigned to Camp/Station DC teams report with rain gear, helmet, flak jacket, goggles, cot, sleeping bag, extra uniform, toilet kit, and two days of MREs.

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(a) Vehicles and towed equipment will not necessarily be delivered immediately upon TCCOR-2. Priority of missions for tactical vehicles is (1) transport of troops from field training, (2) delivery of water trailers and generators, and (3) delivery of vehicles to CEOCs.

(b) The objective is to have all equipment delivered prior to TCCOR-1.

(2) Continue securing loose equipment and debris.

(3) Secure from field training and strike tentage.

(4) Prepare tactical vehicles for destructive weather as determined by the unit commander. Park vehicles to provide maximum protection. Fuel all vehicles that may be needed during the storm and recovery operations.

(5) Evacuate temporary facilities if winds of 75 kts or greater are expected. Prepare temporary buildings as follows:

(a) Clear floors of objects subject to water damage.

(b) Move furniture and equipment to the center of the room, cover with canvas and lash down.

(c) Shutoff main electrical power switch.

(d) Close windows and lower blinds, do not tape windows.

(e) Secure and lock doors.

(f) Ensure all window air conditioners are secure in their fixtures.

(6) Continue normal activities.

d. MCBB Staff Sections

(1) AC/S, G-4

(a) Secure outside area of Building 1 of all loose articles.

(b) Provide sandbags to secure hatches and prevent flooding in basement of Building 1.

(2) General Facilities. Activate the Maintenance Operations Center with emergency crew personnel. Notify G-3 and OOD once activated.

(3) Each of the following staff sections will establish a continuous Officer/SNCO watch within their working spaces and will advise the OOD/BEOC of the location and telephone numbers. The watch will be secured only when authorized by the OOD/BEOC.

(a) Base General Facilities (G-F), 645-7293/7294

(b) Base Provost Marshal (PM), 645-2969/2284/2448

(c) Base Motor Transport, 645-2460/3774

(d) Base Fire House, 645-3776

e. 1st MAW. Activate communication net per Chapter 7 of this Order.

6. TCCOR-1. Destructive winds are anticipated within 12 hours. All nonessential activities should be discontinued as directed by service commanders. All Department of Defense Dependent Schools (DODEA) will close. Children will return and/or remain home. School buses will return children if en route, however, staff and teachers work during normal duty hours. If, due to a diminishing threat of destructive winds, All Clear or a lesser TCCOR is declared, personnel will return to normal duty as directed by service commanders. Military/civilian personnel may be selectively released if necessary to supervise children released from school.

a. TWO/OOD/BEOC

(1) Promulgate the setting of TCCOR-1 per paragraph 4.a. of this chapter.

(2) Finalize preparations to execute TCCOR-1C.

(3) Activate the radio nets and conduct hourly radio checks.

(4) Activate the DCS typhoon chat.

b. Camp/Station Commanders

(1) Promulgate the setting of TCCOR-1 to tenant units.

(2) Finalize preparations to execute TCCOR-1C.

(3) Selective curtailment of activities may be implemented.

(4) During TC-1 Camp/Station Commander will report to the AC/S G-4 MCIPAC-MCBB when all equipment and rations have been staged per III MEF/MCIPAC-MCBB Bul 3006.

c. Camp/Station EOC

(1) Activate the CEOC upon setting of TCCOR-1. Notify BEOC upon full activation.

(2) Maintain a journal of CEOC significant actions.

(3) Conduct LMR radio checks with BEOC and monitor DCS chat.

d. Tenant Units

(1) Continue actions required by paragraph 4.c. of this chapter.

(2) Commanders may selectively curtail activities.

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- (3) DODEA close.
- (4) Prepare to execute TCCOR-1C.
- (5) Ensure communication nets are activated.

7. TCCOR-1C. Winds of 35-49 kts are occurring or anticipated within 12 hours.

a. All nonessential activities should be discontinued as directed by Service Commanders. Government motor vehicle operations will be curtailed and military/civilian personnel will be released to their quarters. Private and government vehicle operations will be limited to personnel returning to their quarters or duty post and government vehicles returning to secure locations. If due to a diminishing threat of destructive winds, Storm Clear or TCCOR-4/ All Clear is declared, personnel will return to normal duty as directed by Service Commanders. Camp/Station Commanders will specify in their plans those activities under their jurisdiction which must be continued. The following specific activities will be discontinued:

- (1) Dining Facilities.
- (2) Amusement and recreation activities.
- (3) PX/BX, commissaries, snack bars, and restaurants. Commissaries and BXs will close unless otherwise directed.
- (4) Domestic labor, except live-in employees.
- (5) Other nonessential activities.

b. TWO/OOD/BEOC

- (1) Promulgate the setting of TCCOR-1C as per paragraph 4.a. of this chapter.
- (2) Finalize preparations to execute TCCOR-1E.

c. Camp/Station Commanders

- (1) Promulgate the setting of TCCOR-1C to all tenants units.
- (2) Secure all activities except those in support of urgent military or civil missions. Essential activities include, but are not limited to: damage control, telephone/communications centers, weather service, and mess halls.
- (3) Curtail vehicles operations until the initial flow of private vehicle traffic from discontinued activities to quarters has ended. Vehicle operations will be limited to watch changes, damage control functions, and closing facilities. The CEOC must approve all vehicle dispatches, other than damage control teams and emergency vehicles (i.e. PMO, Fire, FacMaint). Contact the Commanding General via MCBB AC/S G-3 for authorization to deploy 7-ton trucks under wet road conditions.

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(4) Military and civilian personnel not required for the performance of operations will be released immediately.

(5) Personnel not involved in emergency operations will remain indoors.

(6) Mess halls will be closed throughout TC-1C, 1E, and 1R. Refer to Chapter 4 for ration procedures.

(7) Colors will be lowered to preclude danger to exposed personnel and to the displayed flags. Colors will not be displayed until Storm Clear or TCCOR-4/All Clear is established.

d. Tenant Units

(1) Continue action required by paragraph 4.c. of this chapter.

(2) Secure all activities except those in support of urgent military or civil missions. Essential activities include, but are not limited to: damage control, telephone/communications centers, weather service, and mess halls.

(3) Military and civilian personnel not required in the performance of these operations will be released immediately.

(4) Use of government vehicles will be curtailed until the initial flow of vehicle traffic to quarters from discontinued activities has subsided.

(5) Military vehicles not required for essential damage control or other essential functions will be returned to their respective motor pools. The CEOC must approve any future vehicle dispatch, other than damage control teams or previously approved essential activities such as guard, etc. All vehicles must have a sign as outlined in paragraph 1 of chapter 3.

8. TCCOR-1E. Destructive winds are occurring. Continuance of indispensable military and civil operations; emergency functions for the preservation of life, law, and order may be permitted by Camp/Station Commanders. All other activities will be discontinued promptly and all personnel, except those in the functions noted, are prohibited from leaving their quarters/shelters until Storm Clear or TCCOR-4/All Clear is declared. Motor vehicle operation will be limited to 7-ton tactical; 3-ton commercial/military, "Hardback" HMMWV (M1043), joint light tactical vehicle (JLTV), or the M1010 tactical ambulance. No wheeled vehicles will be operated when wind speeds exceed 80 kts (92 mph) except under conditions of extreme emergency (life or death situations).

a. TWO/OOD/BEOC

(1) Promulgate the setting of TCCOR-1E as per paragraph 4.a. of this chapter.

(2) Coordinate inter-installation emergency support as required. This includes emergency maintenance, firefighting, medical transportation, evacuation, communications, etc.

(3) Receive damage, casualty, and evacuation reports and submit to Maintenance Operations Center. Submit copy of reports to MCIPAC-MCBB, G-3.

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(4) Civil Relief. The GOJ is responsible for civil relief. However, the OAC may approve assistance as required. Pass any requests for assistance to the AC/S, G-3 MCIPAC-MCBB. Coordinate approved civil relief activities through the CEOC teams. This does not preclude assistance by responsible individuals in case of dire emergency when immediate action is necessary to prevent loss of life, serious injury, or to alleviate human suffering. Report any such actions to the TWO/OOD/BEOC immediately.

b. Camp/Station Commanders

(1) Promulgate the setting of TCCOR-1E to tenant units.

(2) Coordinate inter-installation emergency support as required.

(3) Dispatch reconnaissance/rescue team(s) to patrol the Camp/Station as required. Keep the CEOC advised of the status of DC teams.

(4) Compile and submit damage, casualty and evacuation reports to the OOD/BEOC. This submission should be initially by phone with a written follow-up (paragraph 11 of this chapter).

(5) Authorize the continuance of indispensable or emergency military and civil functions for the preservation of life or law and order. All other activities will be discontinued.

(6) During mess hall closure, missed-meal prorated subsistence allowance is authorized if MREs are not issued. Missed meal rosters will be accounted for per chapter 4 of this Order.

(7) Motor vehicle operation will be limited to ambulances and tactical military or General Facilities vehicles three tons or more. No wheeled vehicle will be operated when wind speed exceeds 80 kts (92 mph), except in a life-or-death situation. Any vehicle movement or emergency operations must be coordinated with each Camp/Station EOC.

(8) Civil Relief. Relay to the OOD/BEOC and request for off-base civil relief. This does not preclude assistance by responsible individuals in case of emergency when immediate action is necessary to prevent loss of life, and serious injury or to alleviate human suffering. Such action will be reported to the CEOC as soon as practical.

(9) DC personnel must wear helmets, goggles, and upper torso body armor when outside.

(10) At least one gate per facility will remain operational. Operational gates will be manned with a minimum of (2) personnel and (2) means of communication for redundancy (e.g., phone and radio). Gates unable to be physically secured must remain manned. PMO will ensure sentries are posted at the main gates at Camps Kinser, Foster, Courtney, Hansen, Schwab, and MCAS Futenma.

(11) Traffic through the Camp/Station gates will be restricted to emergency vehicles (see para 7 above).

c. Tenant Units

(1) Personnel must remain indoors except when performing essential DC functions. Personnel conducting damage control functions must wear helmets, goggles, and upper torso body armor when outside.

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(2) Report casualties, damage, and evacuation of the CEOC per paragraph 11 of this chapter.

(3) Motor vehicle operations will be limited to damage control and emergency vehicles only and dispatches must be approved by the CEOC. No privately owned vehicles will be driven.

(4) Mess hall will be closed; missed-meal prorated subsistence allowance is authorized if MREs are not issued. Missed-meal rosters will be accounted for per Chapter 4.

9. TCCOR-1R. Destructive winds are no longer occurring or forecasted to occur but hazards may exist from typhoon aftermath. Survey and work crews are sent out to determine the extent of damage and to establish safe zones around hazards (e.g. downed power lines, blocked roads, unstable structures).

a. Nonessential functions remain closed, until All Clear is established.

b. All but emergency personnel remain in quarters.

c. DODEA remain closed.

d. Camp/Station DC personnel will be directed to survey designated areas to assess damage and identify hazards. Facility Engineer personnel will begin emergency recovery actions. If there is extensive damage, the island may remain in TCCOR-1R while a selective recall is made to obtain personnel to remove hazards and assess damage. Joint Service Emergency COCs will report major hazards to the 18th Wing via Joint Emergency Coordination Center-Okinawa (JECC-O), if activated.

e. If TCCOR-1R is set during normal working hours on or before 1300 all general facilities personnel report for duty. If TCCOR-1R is set after 1300 or outside of normal working hours, (e.g. weekends, etc.), personnel will be recalled as required by their supervisor.

10. TCCOR-SW. Destructive winds are not forecast to exceed 50 knots sustained. High winds may include gusts exceeding 50 knots and/or sustained winds meeting TCCOR-1C criteria. The storm is also close enough to the area that a heightened alert status is necessary in order to rapidly establish elevated TCCOR conditions should the storm deviate from the forecast track. In some instances, it may be necessary to return to TCCOR-SW from another TCCOR level if the storm is not currently forecast to impact the area, but is in close enough proximity that should it change course, it could likely impact the area.

a. Nonessential functions remain closed, until All Clear is established.

b. All but emergency personnel remain in quarters.

c. DODEA remain closed.

d. Camp/Station Damage Control personnel will continue to survey designated areas to assess damage and identify hazards. Facility Engineer personnel will continue emergency recovery actions.

11. TCCOR All Clear. Destructive winds have subsided. Normal activities can be resumed; however, caution should be exercised in conducting outdoor activity. Military and civilian personnel will return to work during normal duty hours unless instructed otherwise by their chain of command. Commissaries will reopen unless directed otherwise by the installation commander.

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a. TWO/OOD/BEOC

(1) Promulgate TCCOR All Clear. Military and civilian personnel will return to work after All Clear is sounded.

(2) OOD assumes duty from TWO.

(3) Reports. Consolidate all damage and casualty reports. Cross-check TWO/OOD/BEOC input with the Maintenance Operations Center and the U.S. Naval Hospital. These reports should be in the following format:

(a) Facilities Damage. Building number, description of damage, and cost of repair (if known).

(b) Equipment Damage. Item, unit, description of damage, and cost of repair (if known).

(c) Casualties. Name, rank, service, SSN, unit, injury, deposition.

(4) Send consolidated damage and casualty report to USFJ using enclosure (5).

b. Camp/Station Commanders

(1) Promulgate the setting of All Clear to tenant units.

(2) Continue full operation of CEOC until no longer required.

(3) Receive, consolidate, and submit casualty and damage reports to the MCBBO OOD. The report must be submitted within 24 hours of setting TCCOR-4/All Clear and in the format per paragraph 11.a.(3) of this chapter.

(4) Normal vehicle dispatch may commence.

(5) Clean-up operations may commence.

(6) Destructive weather rations (MRE) will be issued only to those Camps/Stations that have sustained damage to mess halls rendering them inoperable following a typhoon.

(7) When All Clear is declared between 0800 and sunset, colors will be raised as soon as practical with appropriate formality.

c. Tenant Units

(1) Submit casualty and damage reports to the CEOC and to your major command. Initial reports will be by phone/radio; follow-up will be a written report.

(2) Civilians and military personnel are to report to work during TCCOR-4/All Clear during their normal working hours/shifts unless otherwise directed. This announcement will be made over American Forces Network (AFN) radio and television. Failure to have knowledge of such an announcement will not be considered a valid reason for late return to work.

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(3) Begin retrieving equipment provided per reference (h), less communications equipment.

(4) Ensure assigned area is cleaned up prior to liberty call.

d. U.S. Naval Hospital, Okinawa. Within eight working hours after All Clear, submit a telephonic report to the AC/S G-3, MCBB. Submit a written damage report within 24 working hours per paragraph 11.a.(3) of this chapter.

e. Facilities Maintenance Officer. Submit a written damage report within 24 working hours to the AC/S, G-3.

12. Key Personnel, Commands, and Staff. Notify the following personnel and commands of updated TCCOR in the order listed. If there is no answer, proceed to the next person on the list and try again later. Record the time and name of receiver. Ensure a responsible individual receives the information.

a. CG, MCIPAC-MCBB: 645-7274

b. C/S, MCIPAC-MCBB: 645-7277

c. AC/S, G-3, MCIPAC-MCBB: 645-7221

d. III MEF Operations Center: 622-7706

e. TWO, 1st MAW: 645-2564/080-2737-9024

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Chapter 3

Damage Control Organization

1. General

a. Damage Control (DC) Team Requirements. DC Teams of appropriate grade will be established as appropriate:

	JWTC	Schwab	Hansen	Courtney	Foster	Futenma	Kinser	White Beach
CEOC	1	1	1	1	1	1	1	0
Recon Tm	0	2	2	2	2	2	2	0
Equip Tm	0	0	1	0	1	0	1	0
Maint Tm	0	1	1	1	1	1	1	0
Fire Sta	0	1	1	0	1	1	1	0
G-6 Maint	0	0	0	1	1	0	0	0

Figure 3-1 Damage Control Team Requirements by Camp/Installation

b. Damage Control Emergency Vehicle signs. DC vehicles used during TCCOR-1C will not have signs. DC teams will not operate during TCCOR-1E unless deemed a matter of life, limb, or eyesight.

c. Personal Protective Equipment. DC Teams will be required to wear upper torso body armor, goggles, and helmets while outside during TCCOR-1E.

2. Officer of the Day (OOD)/Typhoon Watch Officer (TWO)

a. General. The OOD operates under the direction of the Commanding General, MCIPAC-MCBB. Each Camp/Station Commander is responsible for their Camp/Station and all tenant units/activities aboard. The OOD will coordinate inter-service assistance when required. The Okinawa Area Coordinator (OAC), when established by USFJ, will coordinate and direct all civil relief activities through the BEOC. This does not preclude assistance by responsible individuals in case of emergency, when immediate action is necessary to prevent loss of life and serious injury, or to alleviate human suffering. However, this action must be reported to the OOD as soon as possible. The OOD will coordinate all news releases of a significant nature.

b. Communications. OOD will monitor and utilize primary (NIPR computer), secondary (telephone), and tertiary (Land Mobile Radio) communications. OOD will activate and maintain the DCO chat at TCCOR-3. OOD will activate and maintain the typhoon net during TCCOR-1. OOD will activate and maintain the JECC-O net at the direction of the OAC for coordination of joint emergency operations (see Chapter 5).

c. Duties

(1) Promulgate information received from the TCCOR authority. Once the TCCOR authority sets TCCOR-1, Base/Station Commanders may set TCCOR-1C, 1E, 1R, and All Clear as required.

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(2) Coordinate inter-installation DC teams, emergency maintenance, firefighting, medical aid, transportation, evacuation, communications, etc. as required.

(3) Make a logbook entry of all significant events.

(4) Consolidate damage and casualty reports.

(5) Report to higher headquarters as required.

(6) Activate the JECC-O when directed by the OAC.

d. Personnel

(1) One OOD.

(2) One Typhoon Watch SNCO (TWSNCO).

(3) Two Base Duty Clerks.

e. Watches. The OOD will be relieved by the Typhoon Watch Officer (TWO) once TCCOR-1 is declared. TWSNCO will report at TCCOR-1. The Base Duty Clerks will remain on duty as part of the typhoon watch team. Upon declaration of TCCOR All Clear the Typhoon Watch Officer and SNCO will be relieved by the scheduled OOD.

f. Equipment

(1) Typhoon Information Binder.

(2) Communications equipment to operate/monitor the typhoon net.

3. Camp/Station Emergency Operations Centers (CEOC). Each CEOC is established, manned, and operated under the respective Camp/Station Commander. The CEOC is responsible for establishing and supervising all disaster control procedures located within the respective Camp/Station during a natural disaster.

a. Duties

(1) Activate upon setting TCCOR-1 and remain on line until secured by the OOD.

(2) Promulgate information received from the OOD to all tenant units.

(3) Assemble, brief, and organize damage control personnel and the recon/rescue teams. Verify that the heavy equipment teams are ready, if applicable.

(4) Secure all loose equipment that may cause damage.

(5) Consolidate and submit damage and casualty reports to the OOD.

(6) Maintain a log of significant events.

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- (7) Establish communications per Chapter 5 of this Order.
 - (8) Coordinate DC teams, emergency maintenance, firefighting, transportation, evacuation, communications, etc., as required.
 - (9) Coordinate requests for civil relief through the OOD.
 - (10) Enforce provisions of the order.
- b. Personnel. The Camp/Station damage control teams will consist of at least two watches, each with the below listed personnel, (personnel and equipment may vary based on Camp/Station capability).
- (1) One SNCO.
 - (2) One clerk – 0151.
 - (3) One radio operator - 0621.
 - (4) One driver - 3531 (Covers all watches).
- c. Equipment
- (1) Maps of Camp/Station and flashlights.
 - (2) Communications equipment.
 - (3) Vehicle.
- d. Watches. The first watch will go on duty at TCCOR-1. The tour of duty will be determined by the Camp/Station Commander.
4. Recon/Rescue Team
- a. Mission. The recon/rescue team is under the operational control of the DC team. It patrols the installation to report conditions, rescue trapped personnel within capability, and conduct a survey of the Camp/Station during TCCOR-1R. It may not operate during TCCOR-1E unless ordered by the Camp/Station Commander.
- b. Personnel. Each team will be comprised of the following personnel:
- (1) One NCO.
 - (2) Two enlisted (any MOS).
 - (3) One driver – 3531.
 - (4) One corpsman.

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c. Equipment

(1) The Camp/Station will provide blankets, foam fire extinguishers, picks, axes, shovels, crowbars, litters, lanterns, flashlights, and water cans.

(2) One portable radio per team.

(3) One vehicle (MTVR, utility task vehicle (UTV), JLTV, or hardback HMMWV) per team.

5. Heavy Equipment Team

a. Mission. The heavy equipment team provides support to assist the recon/rescue team in rescuing trapped personnel in coordination with the Fire Department and other emergency responders. They are dispatched within their respective Camp/Station by the CEOC or inter-installation by the OOD after coordination with the respective CEOC.

b. Personnel

(1) One SNCO – 3529

(2) One driver – 3523

(3) One assistant driver – any MOS

c. Equipment

(1) One wrecker

(2) One portable radio transceiver

6. Facilities Maintenance Team. Each Camp/Station will have a team assigned to provide on-site assessment and repair of damage that may occur during a natural disaster.

7. Fire Stations. Fire station will remain on standby during all typhoon conditions to provide normal fire, ambulance, and emergency response. During TCCOR-1E, emergency response is limited to hardback ambulance response and personnel in proper personal protective equipment (PPE). Communications will be per Chapter 5 of this Order.

8. Provost Marshal. BPT continue operations during TCCOR-1C, TCCOR-1E, and TCCOR-1R. Communications will be per Chapter 5 of this Order.

9. AC/S G-6, Base Comm-Elect Maintenance Teams. Comm-Elect emergency repair crews will be dispatched to the main telephone exchanges on Camp Foster and Camp Courtney upon setting of TCCOR-1C. Teams will have a two day supply of MREs.

10. Tenant Units. Tenant Units will provide personnel and equipment as designated in reference (h). Ensure personnel report with a minimum of rain gear, helmet, flak jacket, goggles, cot, sleeping bag, change of uniform, toilet kit, and a two day supply of MREs.

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Chapter 4

Support Requirements

1. Support Requirements. Upon setting of TCCOR-2, units will provide personnel and equipment IAW reference (f). In the event of a unit's deployment or non-availability, the parent command will designate an alternate unit and notify the MCIPAC-MCBB G-4 office. Each supporting unit reports status of required equipment that is up and ready to their major command's logistics office on a regular basis. MCIPAC-MCBB G-4 will update reference (h) each year to reflect changes in assets that are required and assigned for use during destructive weather.

2. Transportation Support Procedures

a. Motor Transport Branch (MTB) and sub account Responsible Individuals (RI) will execute their mission and prepare their assigned Non-Tactical Vehicle (NTV) for destructive weather in accordance with the following:

(1) Operators shall avoid low-lying areas during heavy rains. Vehicles shall not be driven through flooded areas (6 inches or more of water – road surface not visible). Drivers shall exercise caution in choosing driving speeds that allow for safe stopping and avoidance of debris or water in roadways.

(2) Drivers may terminate their routes at any time if they feel continuation of operations endangers the safety of personnel or presents the risk of property damage.

(3) Storm Watch, TCCOR-5, TCCOR-4, TCCOR-3 and TCCOR-2. BMT, to include The Green Line (TGL), remain at full operation.

(4) TCCOR-1

(a) MTB will begin the shutdown of TGL. BMT will ensure passenger notice signs are prominently posted in all in-service buses. BMT will report final TGL shutdown to the MCIPAC-MCBB BEOC within 4 hours after setting of TCCOR-1.

(b) All NTV supporting field training will return to designated motor pools.

(c) All NTV trip tickets shall be verified and updated to reflect sufficient dispatch for the duration of the storm. Fuel tanks will be filled and vehicle windows and doors will be secured.

(d) Distinguished visitor sedans and vans shall be returned to the MTB motor pool located behind bldg. #5832, Camp Foster, for more secure (inside) storage.

(e) NTV Safe Haven. MTB motor pools at Camp Hansen, Foster, and Kinser are available for NTV safe haven. All keys for safe havened NTV will be relinquished to the duty dispatcher.

(5) TCCOR-1C (Caution)

(a) All NTV not returned to BMT shall be parked in secure areas away from trees, poles, temporary structures, streams, and low-lying areas prior to securing operators. Selected parking areas

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should incorporate natural or man-made wind breaks to the maximum extent possible. Parking brakes will be engaged and wheels "chocked and blocked."

(b) NTV Safe Haven. BMT facilities located at Camps Hansen and Kinser will close immediately upon the setting of TCCOR-1C. Camp Foster will be available up to one hour after setting TCCOR-1C. Sub account RIs should contact the duty dispatcher at 645-2640 or cellular 090-6861-4949 for safe haven after the setting of TCCOR-1C. All keys for safe havened NTV will be relinquished to the duty dispatcher. Operators will receive a storage receipt for vehicle accountability.

(6) TCCOR-1E (Emergency). All BMT operations, to include TGL, are suspended.

(7) TCCOR-1R (Recovery). All BMT operations, to include TGL, are suspended.

(8) TCCOR All Clear

(a) BMT will take necessary steps to open facilities and return TGL to regular service as quickly as possible.

(b) For TGL, if TCCOR All Clear is set with less than 8-hours remaining in TGL's normally prescribed schedule, TGL will resume normal operations the following day.

(c) NTV sub account RIs are required to inventory and inspect assigned assets and submit a NTV equipment status report within 4 hours following the setting of TCCOR All Clear during normal working hours. If after normal working hours, reports will be submitted the next business day. Reports will be submitted by phone 645-2640 or email to the BMT organizational mail box: NTV.MCIPAC-MCBB@usmc.mil.

(d) All NTV operators will wash NTV thoroughly as soon as possible with fresh water and detergent. Wash racks are available at NTV Camp Foster. Sub account RIs who identify non-operable NTV will contact BMT Operations via phone or email to coordinate recovery.

3. Destructive Weather Rations Procedures. This section provides support to enlisted personnel in BEQs during typhoons or other periods of inclement weather where mess halls must remain closed.

a. Messing under Typhoon Conditions

(1) Marine Corps mess halls on Okinawa will remain open throughout TCCOR-1 and close upon the setting of TCCOR-1C and remain closed during TCCOR-1E and TCCOR-1R.

(2) Camp/Station Commanders are encouraged to consider the use of the utility outage menu contained in the MCIPAC-MCBB master menu or a modified menu in the event of a loss of power or steam.

(3) When regularly scheduled mess hall service is interrupted during a typhoon, active duty enlisted personnel are entitled to Meals Ready to Eat (MREs) as outlined in reference (h).

(4) Once the mess hall has resumed normal operations, individual billeting rosters listing all enlisted personnel who were billeted in the BEQ during the typhoon and missed a meal (or meals) will be

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collected and reviewed by each unit commander. Following consolidation and review, all rosters will be submitted to the unit administrative/disbursing section for processing.

(5) Any anticipated use of MREs to support crisis center watches or weather crews during typhoons must be coordinated with the III MEF Chief of Staff, G-4 (Attn: FSO) for appropriate funding, etc.

b. Destructive weather rations are authorized under typhoon conditions (as outlined in Chapter 1) when mess halls are closed or damaged.

(1) Destructive weather rations will be issued to Camps and Stations that report damaged and inoperable mess halls.

(2) Camp/Station Commanders should maximize use of all operable mess halls to provide meal support to those commands/units with inoperable mess halls, thus reducing or eliminating the need for MREs.

(3) Destructive weather rations will not be issued unless a typhoon or destructive weather event is imminent.

(4) Destructive weather rations will be obtained from normal III MEF training ration assets located at 3d MLG, Rations Platoon warehouse (Bldg. 300) located at Camp Kinser.

(5) Under a typhoon scenario, accountability for destructive weather rations will be with the 3d MLG and Camp/Station Commanders level only as outlined below in paragraph 3.c.(3) and 3.c.(4).

(6) Specific quantities of destructive weather rations will be provided under separate cover as a revision to reference (h).

c. Responsibilities

(1) Marine Corps Base Food Service Officer (BFSO)

(a) Coordinate with the III MEF Food Service Officer all funding issues related to use and replenishment of III MEF training ration assets in support of Camp/Station destructive weather rations.

(b) Assist with mess hall damage assessment and possible reopening date.

(c) Assist where needed (subsistence, equipment, materials, supplies, etc.) to expedite the reopening of garrison mess halls or support of a modified menu.

(2) III MEF Food Service Officer (III MEF FSO)

(a) Be prepared to provide destructive weather rations from III MEF MRE training assets.

(b) Secure additional funding to replace destructive weather rations that are issued/consumed under this scenario.

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(3) Camp/Station Commanders

(a) Determine individual Camp/Station distribution sites that are suited for rations distribution.

(b) Determine alternative distribution sites suitable to conduct distribution operations should primary distribution sites become damaged during a destructive weather event.

(c) As part of each respective Camp/Station standard destructive weather plan, determine and coordinate the quantity of destructive weather rations required to be delivered to each Camp/Station.

(d) Notify 3d MLG AC/S, G-4 of a primary and alternate distribution site for prompt delivery of rations.

(e) Establish within Camp/Station destructive weather plans an up-to-date tenant unit roster of personnel authorized to receive rations.

(f) Issue destructive weather rations to unit representatives for all enlisted personnel located in unit BEQs and officer personnel in Bachelor Officer Quarters (BOQs) only in the event BOQs are damaged and/or lose electrical service. If necessary, officers may purchase destructive weather rations (per applicable orders/directives).

(g) Account for all rations issued from each distribution site.

(h) Coordinate internal Camp/Station distribution of rations.

(i) Coordinate and monitor repair of damaged mess halls to expedite reopening.

(j) Coordinate the return of unused (unopened) rations from all tenant unit/BEQ representatives back to the distribution site within five working days of a Camp/Station mess hall(s) resuming operations.

(k) Accept only unopened boxes (cases) of rations for subsequent turn-in. All other rations (open boxes) should be considered consumed.

(l) Coordinate with 3rd MLG for the retrieval and return of unused destructive weather rations.

(4) 3d MLG AC/S, G-4

(a) Once notification has been received from a Camp/Station Commander for destructive weather rations support under these provisions, prepare destructive weather rations for transportation to each respective Camp/Station requesting support.

(b) Destructive weather rations will only be issued to those Camps/Stations requesting support.

(c) Before transportation of rations, ensure all appropriate ration data is recorded, such as: quantity, date of pack, inspection test date, etc.

(d) Provide personnel and vehicle assets necessary to support delivery/retrieval of rations to respective Camps/Stations.

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(e) Transportation of rations will be conducted at the earliest possible time following announcement of safe road passage. Ensure rations are properly protected against the elements during transportation.

(f) Deliver rations to Camp/Station distribution points as expeditiously as possible.

(g) Coordinate with Camp/Station Commanders for the pick-up and return of unused destructive weather rations. Only accept full, unopened boxes of destructive weather rations.

(h) Record and report to III MEF and MCIPAC-MCBB the total quantity of destructive weather rations (cases) consumed during a destructive weather event.

4. Government Owned Portable Toilet Destructive Weather Preparation. Camp/Station Commanders, Responsible Officers (RO), and Camp services personnel will secure portable toilets located on their Camps and/or under their possession for destructive weather in accordance with the following steps:

a. TCCOR-4. Contact the Base Property Control Office (BPCO) Contractor Officer's Representative (COR) for an updated listing of all government owned portable toilets located within each respective Camp's zone of responsibility.

b. TCCOR-2. Tie-down, brace or otherwise adequately secure all portable toilets. Note any pre-existing damage to portable toilets to assist in damage assessment following the destructive weather event. Be sure to annotate and report any pre-existing damage to the BPCO COR.

c. TCCOR All Clear. Conduct an inventory and damage assessment of assigned portable toilets. Promptly report any damage to the BPCO COR for repair and/or replacement as may be needed.

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Chapter 5

Communications

1. General. NIPR email is the primary means of communications with telephone as secondary and Land Mobile Radio (LMR) as tertiary. High Frequency (HF) communications will be setup on a contingency basis (figure 5-1) once ALL CLEAR is given and only if the first three means of communications have failed during the typhoon. Communication checks will be conducted upon setting of TCCOR-2 and assets set on standby as directed by the BEOC. Upon setting of TCCOR-1C, all communications assets will be activated and will remain active until secured by the BEOC. See reference (h) for personnel and equipment requirements.

2. LMR Disaster Communications

a. Zone A/Typhoon - Provides inter-unit coordination for principal staff during all TCCOR phases.

b. Zone B/Typhoon - Provides Marine Corps interoperability and coordination during all TCCOR phases. The specific Zone B channel will be promulgated via the MCIPAC DWO at the setting of TCCOR-1.

c. Zone C/Typhoon - Provide DoD interoperability and coordination for all TCCOR phases.

3. Typhoon Chat. The chat function will be unclassified Defense Collaboration Services (DCS) chat. The MCIPAC-MCBB Typhoon chat room link will be promulgated by the MCIPAC DWO or BEOC personnel at the setting of TCCOR-1 via email to appropriate personnel and organizations and will allow participation as appropriate. Access requires a common access card (CAC). When prompted, enter the requested information to join the chat room.

4. Mass Notification System

a. Big Voice/WAVES. Camps and stations will use the Big Voice/WAVES system to audibly broadcast changes in TCCOR to their populace based on camp protocol.

b. AtHoc. The AtHoc enterprise Mass Notification System (eMNS) will be used to provide electronic notification of TCCOR conditions. MCIPAC G-3 will ensure Okinawa wide AtHoc notifications originate from the IEM or other designated personnel. Camp EOCs can release camp specific notifications as necessary, but will refrain from duplicating TCCOR change notifications.

5. Social and Military Typhoon Links

a. Joint Typhoon Warning Center <http://www.usno.navy.mil/JTWC/> (click on TC warning graphic)

b. 18th Services Typhoon (Shogun Weather) <http://shogunweather.com/tccor/>

c. Japan Meteorological Agency (JMA) Cyclone Information <http://www.jma.go.jp/jma/indexe.html>

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Legend

M-Monitoring	X-Transmit/Receive	-- - No access		
ACTIVITY	CALL SIGN	BEOC	CEOC	SUPPORT PROVIDER
BUTLER	BEOC	X	--	1st MAW
III MEF	MEF	X	--	7th CommBn
JWTC CEOC	JWTC	X	X	3rd MARDIV
SCHWAB CEOC	SCHWAB	X	X	3rd MARDIV
HANSEN CEOC	HANSEN	X	X	7th CommBn
COURTNEY CEOC	COURTNEY	X	X	3rd MARDIV
FOSTER CEOC	FOSTER	X	X	1st MAW
FUTENMA CEOC	FUTENMA	X	X	1st MAW
KINSER CEOC	KINSER	X	X	3rd MLG
BUTLER FIRE CHIEF	FIRE CHIEF	X	--	
BUTLER FAC MAINT	MAINTENANCE	X	--	
USNH	HOSPITAL	X	X	
OTHERS	ASSIGNED AS REQUIRED			

LMR- USMC Typhoon Net Zone B, Channel 3
 DOD Okinawa Typhoon Net Zone C, Channel 1

HF Frequencies
 Primary: 6.980
 Secondary: 10.177

All nets checked at TCCOR-2, activated upon TCCOR-1, and secured upon TCCOR All Clear when authorized by OOD/BEOC.

Figure 5-1.—Communications

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Chapter 6

Facilities Maintenance

1. General. The Base Facilities Maintenance detachments aboard each Camp are designated as emergency maintenance teams which are a part of the Damage Control organization. They are under the operational control of the FacMaint Branch/Maintenance Operations Center and will coordinate with the respective Camp/Station Commanders.

2. TCCOR-4. Be prepared for rapid escalation of TCCOR if a storm develops near Okinawa. Identify overall planning and coordination for the operation of emergency generators, including tenant unit assets. Expedited repairs or replacement of deadlined generators and double throw switches.

3. TCCOR-3

a. Normal work will continue except for those personnel necessary to complete DC preparations.

b. Prepare typhoon job order.

c. Open Typhoon log.

d. Activate typhoon plot aboard.

e. Check emergency supplies and equipment.

f. Typhoon-proof buildings as required.

g. Plan for disconnection of electrical services as directed.

h. All permanently installed emergency generators will be serviced and those dead-lined will be repaired or replaced on priority basis. Ensure all fuel tanks are full.

4. TCCOR-2

a. The Maintenance Operations Center will be activated upon setting TCCOR-2 and will direct the activities of the maintenance branch. Upon activation, maintain communication with G-3, OOD, and TWO/SNCO.

(1) Location. Operations Section, Bldg FOS-363, Camp Foster, telephone 645-7294/4/5/6.

(2) Personnel. TCCOR-2 and TCCOR-1: Officer/SNCO, radio operator, and driver.

(3) Communications. Draw two portable radios from the Facilities Maintenance resources.

(4) Duties

(a) Authorize dispatching of maintenance forces for emergency repairs and firefighting during TCCOR-1E.

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- (b) Coordinate opening of Camp electric feeder when approved by OOD/BEOC.
- (c) Plan for post natural disaster emergency repairs and placement of standby generator assets per priorities noted in paragraph 11 of this chapter.
- (d) Maintain natural disaster manning level data.
- (e) Maintain a complete maintenance journal of all significant actions, incoming and out-going reports, to include: time, action taken, and reference to amplifying data.
- (f) Maintain a listing of damage reports for Camp damage assignment purposes.
- (g) Confirm emergency switching arrangements with Okinawa Electric Power Company (OEPC).

b. Camp/Station Maintenance Teams. Each Camp/Station maintenance detachment will establish an emergency maintenance team.

(1) Personnel. Teams will consist of the following:

- (a) One SNCO.
- (b) Boiler Watches. Normal boiler watches will continue until TCCOR-1E is set. Each detachment will designate one boiler mechanic (or Marine if skills are available) to stand duty during TCCOR-1E. An additional crew of one leader and three boiler operators will be retained aboard Camp Foster until TCCOR-4/All Clear is set.
- (c) Water/Sewage Plant Operations. The following staffing will be in effect from TCCOR-1C to TCCOR-4/All Clear. Camp Lester water plant: One lead foreman and two operators. Camp Schwab, Hansen, and Courtney sewage treatment plant: One lead foreman and one operator.
- (d) Central Shops Emergency Crew. The central emergency crew will consist of one Supervisor, six Electrical Linemen Crews, one Power System Controller/Dispatcher, three Refrigeration/Air Conditioning Mechanics, and one Leader. These crews will be dispatched to their designated Camps by the Shop Supervisor.
- (e) Military Crews. Sufficient military personnel will be retained as designated by the Maintenance Operations Center.

(2) Emergency Vehicles. The Maintenance Operations Center will designate emergency vehicles. Inform Base Motor Transport Branch of emergency vehicle assignments and arrange for heavy vehicles as required. The Motor Transport Office and Facilities Engineer will coordinate drivers.

(3) Equipment and Tools. General Support Unit (GSU) will make available one loader with backhoe and one mobile crane if needed. The Electrical Trades distribution shop will make available one line truck with boom and auger, one bucket truck, and safety equipment necessary for opening jacks and air switches under adverse weather conditions.

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(4) Generators

(a) Owning units will deliver preplanned generators to designated building in accordance with reference (h).

(b) Tactical generators will be installed only by Base Facilities maintenance personnel.

(c) Test run all generators; repair/replace those not operational.

(d) Ensure sufficient fuel is available.

(5) Check level of water storage tanks.

(6) Remove signs as necessary.

(7) Establish prepositioned sand piles at Camp/Station Maintenance Detachments as required.

5. TCCOR-1

a. Activate electric power system control center. Be prepared to open electric feeder to respective Camps/Stations on order. When opened, notify OOD/BEOC.

b. Install preplanned typhoon shutters as required.

c. Secure all central air conditioning units that are not required.

6. TCCOR-1C

a. Fully man the Maintenance Operations Center.

b. Accomplish only emergency work on exterior utilities/facilities directly.

c. All non-essential personnel are to be released until TCCOR-4/All Clear is announced and normal work routine is resumed.

7. TCCOR-1E

a. Dispatch of all emergency crews after setting of this TCCOR will be only with the prior concurrences of the Maintenance Operations Center.

b. The duty fire chief is delegated authority to respond to fire alarms. If such response is made, the Maintenance Operations Center and CEOC will be notified immediately.

c. Inform the Maintenance Operations Center /CEOC on the status of all damages and malfunctions as they are received and coordinate movement/ dispatch of teams with respective CEOCs.

d. Maintenance Operations Center and detachments maintain a journal of all damage reports received.

e. Accomplish an absolute minimum if outside work necessary to protect life and prevent major damage, weather permitting.

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f. Maintain records of personnel dispatched to emergency situation sites.

8. TCCOR-1R

- a. Begin compiling damage reports.
- b. Dispatch repair teams as required.

9. TCCOR-SW

- a. Verify and compare damage report with the TWO/SNCO IOT transition to TCCOR All Clear.
- b. Coordinate and communicate to G-3 a recommendation for MCIPAC-MCBB Camps/Stations to transition to TCCOR All Clear.
- c. Communicate the approval or situation that delays the transition to TCCOR All Clear to 18th Wing Facilities.

10. TCCOR All Clear

- a. Generators will be released to parent units. Facilities Maintenance will implement damage assessment action.
- b. Maintenance department sections and detachments will report results of damage assessment survey in accordance with chapter 2, paragraph 10.
- c. Submit major damage assessments to G-3 within 24 working hours after All Clear in accordance with Chapter 2, paragraph 10.
- d. Expedite repair to damaged facilities.
- e. Remove typhoon shutters as required.

11. Emergency Electrical Power

a. Commercial Power. All installations will continue to be served by commercial power until forecasts dictate that circuits be opened to protect life or property. Opening of circuits will be with the prior approval of OOD/BEOC except where damage to a distribution system or safety dictates immediate action.

(1) Primary Circuit Isolation. The plan will be properly annotated with instructions necessary for emergency action in opening and closing of air switches. Current status on switches will be maintained (i.e., operative or inoperative).

(2) Emergency Generators. Emergency power will be planned for the facilities outlined in reference (f). No generator will be attached to any part of the electrical distribution or building system except as directed by Base Facilities maintenance personnel after clearance is obtained from the electric power dispatcher.

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b. Priority. Priority will be given to medical facilities, communications centers, and refrigerated medical and food storage facilities.

c. Fuel. The following units will provide emergency portable generator refueling which will be funded by MCIPAC-MCBB. Users must use credit card for identification so the refueling operator can provide information for reimbursement. Camps Schwab, Hansen, Courtney, Foster, and MCAS Futenma fuel stations are opened in the event of emergency and if approved by the OOD/BEOC.

(1) Users must use fuel keys for identification so refueling operator can provide information for reimbursement.

(2) 4th Marines, S-4 – Camp Schwab.

(3) Combat Engineer Co, CAB – Camp Hansen.

(4) 9th ESB – Camp Courtney.

(5) Combat Logistics Battalion 3 - Camps Foster, Futenma, Kinser.

d. Generator/ Operators. Both tactical (portable) and commercial (installed) generators are designated in reference (f). Installed and standby generators will be tested upon the setting of TCCOR-2; portable generators (not designated for standby) will be delivered and tested. All building hook-ups will be accomplished by Facilities Maintenance personnel. The Maintenance Operations Center will coordinate with the CEOC requesting billeting, tasking, and securing of operators.

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Chapter 7

1st MAW Operational Plan1. General

a. This Chapter provides direction for the evacuation and Hangaring of aircraft and applies to the 1st MAW units on Okinawa.

b. 1st MAW units at MCAS Iwakuni will be guided by MCAS Iwakuni Order 3140.3R and local SOPs. Aircraft evacuations will be coordinated through 5th Air Force, Yokota Air Base.

c. 1st MAW units at MCB Hawaii will be guided by Marine Corps Base Hawaii Order 3302.1 and local SOPs.

2. Typhoon Control Officer (TCO)/ Destructive Weather Officer (DWO)

a. The 1st MAW, AC/S, G-3, is designated as the Typhoon Control Officer (TCO) for purposes of evacuating and Hangaring 1st MAW aircraft.

b. The 1st MAW, G-3 Aviation Transportation Coordination Officer (ATCO), is designated as the Destructive Weather Officer (DWO) and is the direct liaison to the TCO for purposes of evacuating and Hangaring 1st MAW aircraft.

c. The DWO will coordinate any plans for evacuation of 1st MAW aircraft with the 18th Wing Command Post. The DWO will pass changes in TCCOR conditions to subordinate commands via the communication net in paragraph 12. Additional Typhoon information and TCCOR conditions can be located at <http://www.shogunweather.com>

3. TCCOR-4a. TCO/DWO

(1) Maintain a roster of subordinate unit DWOs with phone numbers and e-mail addresses.

(2) Serve as liaison between 1st MAW units and 18th Wing Command Post and MCIPAC-MCBB for typhoon information and practice drills.

b. Group Commanding Officers. Designate an officer to serve as the Group DWO and update the 1st MAW DWO of personnel changes

c. MAG-36

(1) MAG-36 Aircraft Maintenance Officer will review the emergency hangaring plan with subordinate units and maintain liaison with Camp Kinser to identify warehouses available for emergency hangar space.

(2) MAG-36 Operations Officer will review and update subordinate unit evacuation plans when changes to squadron composition or physical location occur.

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4. TCCOR-3

a. TCO/DWO

- (1) Ensure all 1st MAW units are notified of the change in readiness.
- (2) Establish communications with 1st MAW units per paragraph 12.
- (3) Receive evacuation/hangaring reports.

b. MACG-18 and subordinate squadrons

- (1) Establish and maintain communications with the DWO.
- (2) Ensure that duty officers and NCOs are briefed on TCCORs and the requirements of this Order.

c. MAG-36 and subordinate squadrons

- (1) Establish and maintain communications with the DWO.
- (2) Restrict local flying and prepare to evacuate aircraft.
- (3) Prepare to hangar aircraft.

(4) Report the following information to the 1st MAW DWO at 645-2166/3892 as soon as possible utilizing the worksheet located at 1st MAW Intranet>G-3>Aviation Transportation Coordination Office, Typhoon Info.

- (a) Total number of aircraft, by model, expected to be aboard within the next 24 hours.
- (b) Total number of aircraft, by model, expected to be flyable during the next 24 hours.
- (c) Total number of aircraft, by model, to evacuate.
- (d) Desired safe haven bases.

(e) Total number of personnel, together with weight and cube of support equipment, who are required to be airlifted to safe haven bases in support of evacuated personnel.

- (f) Total number of aircraft, by model, to be hangered.

(g) Name of the Group Coordinating Officer. This Officer will depart in the first available flight to coordinate parking of aircraft, billeting, and messing. This officer will report to the safe haven base's designated liaison officer, (normally the senior Marine aviator at the safe haven base) when all flights are aboard.

- (5) Ensure that duty officers and NCOs are briefed on TCCORs and the requirements of this Order.

(6) Pre-file safe haven flight plans with the operations sections of MCAS Futenma and MCAS Iwakuni, as required.

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(7) Evacuated aircraft shall be manned by at least that crew complement which is required for over water navigation flight.

(8) Ensure hangars are clear of unnecessary equipment so that maximum space will be available for storage of aircraft. Be prepared to hangar aircraft from other units.

(9) An adequate supply of evacuation kits containing emergency charts, publications, etc., shall be maintained by each organization for emergency issue.

(10) Provide MCAS Futenma Operations Officer with the Group hangaring plan. For aircraft to be hangared at Camp Kinser, the following applies:

(a) Request must be made as early as possible so that the landing zone and warehouses can be prepared.

(b) Aircraft will use LZ Kinser (Northwest of Bldg 326).

(c) Coordinate to ensure that the MCAS Futenma Operations Officer provides a MB-1 at the landing zone during flight operations.

(d) Personnel and equipment required for moving and securing aircraft will be provided by MAG-36.

5. TCCOR-2

a. All aircraft that cannot be hangared will normally be evacuated during or prior to TCCOR-2. Weather conditions may require earlier evacuations, but all aircraft must be evacuated prior to TCCOR-1.

b. TCO/DWO

(1) Ensure all 1st MAW units are notified of the change in readiness.

(2) Maintain a list of aircraft sheltered by type, updated by reports from the DWO.

(3) Maintain a list of safe haven aircraft by type, updated by reports from the DWO.

(4) Establish and maintain liaison with evacuated units.

(5) Arrange for aircraft to transport squadron support personnel and equipment to safe haven bases.

(6) During aircraft evacuation, report the following to the CG 1st MAW:

(a) Commencement and completion of evacuation.

(b) Arrival time at safe haven bases.

(7) Maintain contact with the MOC and MCIPAC-MCBB CEOC to accomplish essential coordination.

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(8) Direct evacuation, as appropriate.

(9) Upon completion of aircraft evacuation and Hangaring, report aircraft status and safe haven location to CG, 1st MAW and COMMARFORPAC, G-3/AIR, via e-mail or message.

c. MAG-36 and Subordinate Squadrons

(1) Cease all flight operations except those designated by higher headquarters.

(2) Hangar aircraft as required. If a conflict arises in sheltering facilities (Futenma, Kinser, or Kadena), coordination will be made through the G-3, 1st MAW. Hangaring must be completed during TCCOR-2.

(3) Evacuate aircraft, if required.

(a) The 18th Wing Command Post (634-1800, fax 634-1791) will serve as the focal point for all actions required to protect, evacuate, and recover aircraft within the Okinawa prefecture. They will coordinate the evacuation of aircraft and assign takeoff block times for all aircraft or flights of aircraft departing Okinawa, regardless of base origin or unit. The DWO will coordinate these assignments for all 1st MAW aircraft located on Okinawa. Iwakuni based squadrons will coordinate aircraft evacuation with 5th Air Force, Yokota Air Base utilizing procedures contained in current regulations. A maximum number of aircraft will be evacuated. In planning a typhoon defense evacuation, these instructions will be followed as closely as possible.

(b) Normally, multi-engine aircraft and those aircraft which are required for scheduled high priority missions will be evacuated.

(c) Evacuations will be executed via coordination with the cognizant Air Station Operations Officer.

(d) Night time evacuations will be avoided if possible.

(e) Once aircraft evacuation is directed, flight leaders will conform to approved routes and safe haven bases in so far as possible.

(f) Notify the DWO by the most rapid means available in the event that conditions warrant deviation from published routes/safe haven bases.

(g) If emergencies necessitate landing at other designated safe haven bases, the senior Marine aviator will ensure liaison responsibilities at that base.

(h) The senior Marine aviator at each safe haven base will serve as the liaison officer and coordinate the activation of all 1st MAW aircraft and crews. They will, upon arrival, establish contact with the DWO. They will also be responsible for all routine communications with their unit. Each liaison officer will be on the first flight to each safe haven base. Any subsequent movement of those aircraft must be coordinated with the TCO.

(4) Report to the DWO when all requirements for TCCOR-2 are met.

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(5) Post command duty officer or OOD.

d. MACG-18 and Subordinate Squadrons

(1) Ensure all personnel are out of field.

(2) Report to the DWO when all requirements for TCCOR-2 are met.

(3) Post command duty officer or OOD.

6. TCCOR-1. All commands will be prepared to execute DC measures in readiness for TCCOR-1C. All nonessential activities shall be discontinued as directed.

a. TCO/DWO

(1) Ensure all 1st MAW units are notified of the change in readiness.

(2) Coordinate with the Wing OOD to turnover reporting requirements upon change to TCOOR-1C.

(3) In the event the typhoon is forecast to become a Super Typhoon, coordinate with the G-6 to provide a tertiary communications net to key personnel.

b. Wing Duty Officer (WDO). The WDO should be prepared to assume the duties of DWO upon reaching TCCOR-1C.

c. G-6. In the event the typhoon is forecast to become a Super Typhoon, coordinate with the DWO to provide a tertiary communications net to key personnel.

7. TCCOR-1C. Maintain duty watches during TCCOR-1 (caution and emergency) if operational requirements so dictate. WDO will relay changes in TCCOR-1C to the Group Duty Officers and any pertinent information to key personnel. In the event of a forecasted Super Typhoon, the DWO will ensure that the WDO and key personnel are provided a tertiary communications net.

8. TCCOR-1E. All instructions contained in paragraph 9 of Chapter 2 apply. All personnel will wear helmets and flak jackets when outdoors.

9. TCCOR-1R. All instructions contained in paragraph 10 of Chapter 2 apply.

10. TCCOR-SW. There is still a possibility of danger to personnel. In general, normal activities can be resumed; however, winds may still remain strong and the situation should be monitored closely. Personnel will return to work during normal duty hours unless instructed otherwise by their chain of command.

11. TCCOR All Clear

a. TCO/DWO. Receive damage reports from the Groups and forward any reports to III MEF and CG, 1st MAW.

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b. Groups/Squadrons

- (1) Executive Officers attend post-typhoon meeting.
- (2) Provide working parties and equipment support as determined during post-typhoon meeting.
- (3) Coordinate cleanup of subordinate until areas per overall station priorities.
- (4) Coordinate with MCAS Futenma Operations Officer for recovery of evacuated aircraft and removal of aircraft from hangars.

12. Communications

- a. The 1st MAW Command and Control Net is the primary net used during typhoons. This net consists of NIPR, telephones, cellular phones, and Motorola hand-held radios already routinely used on a daily basis. Groups will establish and maintain communications with the DWO/WDO and their respective CEOC.
- b. In the event that a Super Typhoon is forecasted, the DWO and G-6 will coordinate to provide a tertiary communications net to key personnel.

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Chapter 8

Instructions for 3d Marine Division Units

1. General. This chapter outlines guidance and instructions unique to 3d Marine Division commands. It provides clarification of the roles Division units play in the support of the individual Camp Commanders and MCIPAC-MCBB.

2. Responsibilities. The following actions will be initiated upon the establishment of the designated tropical cyclone conditions.

a. TCCOR-4. All Division subordinate commands and general staff sections will comply with the procedures as written as in this Order. Sections 2000 and 2001 have the pertinent instructions units will follow prior to the typhoon season when in TCCOR-4.

b. TCCOR-3

(1) AC/S, G-3

(a) Notify Jungle Warfare Training Center (JWTC) of TCCOR-3 and prepare to evacuate personnel if considered necessary.

(b) Prepare to secure personnel and equipment from field training operations.

(c) Advise the AC/S, G-4 of ground transportation requirements at the earliest opportunity.

(2) AC/S, G-4

(a) Coordinate the management of Division assets for support of the CG, MCIPAC-MCBB or Camp/Station Commanders, in accordance with reference (h).

(b) Advise and assist the command duty officer as required.

(c) Be prepared to augment the Camps with mobile electric power when MCBB has insufficient assets.

(3) Commanding Officers. Be prepared to provide personnel, equipment, and communications support per reference (h).

(a) Definition. Commanding Officers are defined as the Commanders of Regiments, Battalions, and other units whose Battalion/Regimental headquarters are not located on the Camp where they are located (e.g. Truck Company, HQBN).

(b) Immediately upon establishment of TCCOR-2, Commanding Officers of those Division units tasked in reference (h) will commence an evaluation of unit ability to provide such support in the event that TCCOR-2 is established.

(c) Potential shortfalls in designated personnel or equipment support are to be identified initially to the respective Camp/Station Commander/agency to be supported for confirmation of a need for such support in the event that TCCOR-2 is established.

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(d) Specific outstanding support shortfalls will be identified to the Division staff section listed below:

Shortfall Category	Cognizant Division Staff Section
Motor Transport assets/operators	G-4, Motor Transport Section
Engr assets/operators	G-4, Engineer Section
Comm-Elect assists/operators	G-6
Personnel (other than associated with equipment/operators)	G-1

(e) Commanding officers tasked with providing support in reference (f) will contact the AC/S, G-4 if unable to provide such support, and describe action underway to address shortfalls.

(f) Commanding Officers will establish communications with their respective CEOC.

(4) Officer in Charge, JWTC

(a) Submit a situation report to AC/S, G-3 upon the setting of TCCOR-3 with the following information.

1. Number of personnel in training at JWTC.
2. Number of JWTC Camp personnel.
3. Number of personnel for whom adequate shelter cannot be provided.
4. Other pertinent information.

(b) Monitor the appropriate radio nets per Chapter 5, Figure 5-1.

c. TCCOR-2

(1) AC/S, G-3. Secure all field training.

(2) Commanding Officers. Post command duty officer or OOD. Prepare tactical vehicles, not required for essential business, for storm conditions. Park vehicles to provide maximum protection. Remove all canvas from vehicles. Ensure fuel tanks are topped off and levels remain at minimum of one-half full.

d. TCCOR-1. All commands and general staff section will be prepared to execute DC measures in readiness for TCCOR-1C.

e. TCCOR-1C. Maintain section watches during TCCOR-1 (caution and emergency) if operational requirements so dictate. General staff officers will arrange to review the morning message board daily if safety permits.

f. TCCOR-1E. All instructions contained in paragraph 6 of chapter 2 apply. All personnel will wear helmets and flak jackets when outdoors.

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- g. TCCOR-1R. All instructions contained in paragraph 6 of chapter 2 apply.
 - h. TCCOR-SW. All instructions contained in paragraph 6 of chapter 2 apply.
3. Communications. The primary means of communications is the existing Base telephone system with radios as a backup. Commanding Officers will establish communications with their respective CEOC.

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Chapter 9

Deployed/Off-Island Unit Guidance

1. General. Deployed units will follow this Order as applicable and the local tropical cyclone manual as required.
2. Marine Corps Air Station Iwakuni. Units deployed to MCAS Iwakuni will follow MCAS Iwakuni Order P3140.3, and appropriate portions of chapters 5 and 6 of this Order. Point of contact is MCAS, Iwakuni Ops Department at DSN 253-3581/5501.
3. CATC Camp Fuji, Headquarters Battalion
 - a. Promulgate a tropical cyclone SOP.
 - b. The TCCOR set by 18th Wing for Okinawa-based units does not apply to CATC Camp Fuji. Per reference (c), TCCOR Authority for CATC Camp Fuji is USFJ. In order to keep service components informed, USFJ, J34 (Joint Operations Center, DSN 225-2451/2466) will pass a TCCOR for Kanto Plain to AC/S, G-3 MCBB (working hours) or to the OOD/TWO (after hours/ TCCOR-1). The current TCCOR received from USFJ will be relayed to the Operations Section, CATC Camp Fuji at DSN 224-8343/8602.
4. Seventh Fleet Deployment. Marine units deployed with the Seventh Fleet will be guided by the current edition of Commander, Third Fleet/Commander, Seventh Fleet Operations Order 201 Annex H. Point of contact is Commander, Amphibious Group One, Meteorology N-36, White Beach at 631-2397/2205.
5. Camp Mujuk. The TCCOR set by 18th Wing for Okinawa based units does not apply to Camp Mujuk. The TCCOR authority for Camp Mujuk is USFK. In order to keep components informed, USFK will pass TCCOR for the Korean Peninsula to MARFORK G-3.

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EXAMPLE TYPHOON STORY BOARD

III MEF Typhoon MUIFA SITREP as of 03 Aug 1800L

TCCOR 4 - 000101Jun11

- ✓ Initial Strike Meeting (D11300L Aug 11)

TCCOR 3 - Set at 021628L Aug 11

- ✓ Initiate General Clean-up / Secure Loose gear
- ✓ Identify Potential Training / Operational Impacts
- ✓ MCBJ Typhoon Watch Teams notified; watch bill established; comm system permissions verified
- ✓ Prepare to secure personnel / equipment from field training
- ✓ Designated units prepare to provide personnel / equipment / comm support to camps per Typhoon Bulletin
- ✓ MAM: Determine aircraft hangar and evacuation requirements
- ✓ MCB Facilities Maintenance Ops Center prepares to activate; watch standers notified
- ✓ TCCOR-3 strike meeting (tentatively planned for 031800L Aug)

TCCOR 2 - Set at 031615L Aug 11

- ✓ MAM: Evacuate applicable aircraft (complete NLT TCCOR 1); hangar all other Wing aircraft (on track)
- ✓ Base/Station: OSA flight ops complete / aircraft hangared (on track)
- ✓ Ground units: Secure Field Training; prepare tactical vehicles for storm conditions (on track)
- ✓ Camps muster and brief damage control teams, stage designated damage control vehicles and equipment
- ✓ MRE/ater/bul/s/comm gear delivered to Camp Commanders
- ✓ Base Emergency Operations Center (BEOC) Radio Net operational (Complete - LMR/DCO Chat/E-Mail/Telephone)
- ✓ Camps / Stations Activate CEOs / Conduct Communication Checks with BEOC (hourly after TCCOR-1 is set or as directed)
- ✓ MCB Facilities Maintenance activates the MOC
- ✓ MCB Typhoon Watch Team has full connectivity with III MEF Ops Center

TCCOR 1 - Estimated at 040200-0300L Aug per Kadena Strike Meeting

- ◆ All Damage Control Teams / Equipment in place at designated locations (on track for camps/stations)
- ◆ Green Line operations prepare to be discontinued (will discontinue at TCCOR 1C, which will likely occur NLT 040900L Aug per Kadena Strike Meeting)
- ◆ All non-essential activities discontinued (on track)
- ◆ No school for DoDDS students
- ◆ Mess Halls remain open until Camp Commanders direct them to close (on track)

TCCOR 1C - Estimated NLT 040900L Aug per Kadena Strike Meeting

- Typhoon Watch Fully Manned
- Green Line operations discontinued
- All nonessential personnel released to quarters and remain indoors
- All outdoor activities except those in direct support of urgent military missions will be discontinued
- DoDDS schools close. Staff and teachers return or remain home
- Base exchange, shops, Commissary, Shopettes, Gas Station, Services facilities, Clubs, Restaurants, Recreational Facilities and Post Office, Mess Halls will close
- MCB Facilities Maintenance MOC (Maintenance Operations Center) fully stood up
- Perform emergency work on exterior utilities/facilities as required
- Communications Nets Activated
- One gate per camp manned with two Marines each
- Curtail government motor vehicle usage

TCCOR 1E TBD

- All normal personnel movement and work activities discontinued - only essential military and civil operations and emergency functions.

LESS THAN 34 KNOTS
34-63 KNOTS
MORE THAN 63 KNOTS
FAST 6 HOURLY CYCLONE POSITS IN BLACK
FORECAST CYCLONE POSITS IN COLOR

TYPHOON 11W (MUIFA) WARNER #94
021800Z POSIT. NEAR 29.8N 133.2E
MOVING 310 DEGREES TRUE AT 07 KNOTS
MAXIMUM SIGNIFICANT WAVE HEIGHT: 36 FEET

02/18Z, WINDS 110 KTS, GUSTS TO 135 KTS
03/18Z, WINDS 110 KTS, GUSTS TO 135 KTS
03/18Z, WINDS 110 KTS, GUSTS TO 135 KTS
04/18Z, WINDS 115 KTS, GUSTS TO 140 KTS
04/18Z, WINDS 115 KTS, GUSTS TO 140 KTS
05/18Z, WINDS 105 KTS, GUSTS TO 130 KTS
06/18Z, WINDS 095 KTS, GUSTS TO 125 KTS
07/18Z, WINDS 075 KTS, GUSTS TO 090 KTS

Current TCCOR: 2
Forecast Winds/Times
Winds > 35 kts: 040700L
Winds > 50 kts: 041500L
Max Gusts: 135Kts
050500-050700

TRAINING STATUS / OTHER IMPACTS:

1- MAM - Training complete
 3- NLG/MARDIV/WHG /MEU/MCB - Training complete; training cessation effective with setting of TCCOR 2; RTAs will be clear of personnel this evening

TRAVEL DELAYS
 PATRIOT Express movement currently on track; will likely delay enroute, location TBD (per Kadena strike meeting #1)

CFA TO:	HH	DTG
KADENA_AB	30	04/19Z
TAIPEI	240	05/19Z
SASEO	358	06/22Z
PUSAN	370	07/36Z
CHEONG	347	07/17Z
INCHON	336	07/18Z
KUSAN_AB	276	07/18Z
OSAN_AB	334	07/18Z
YONGSAN_AIN	350	07/18Z

BEARING AND DISTANCE	DIR	DIST (NM)	TAV (HRS)
KADENA_AB	125	164	24
KADENA_AB	200	32	48
TAIPEI	79	335	48
KADENA_AB	303	155	72
SASEO	217	391	72
TAIPEI	51	261	72

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TROPICAL CYCLONE CONDITION OF READINESS (TCCOR) ACTION SETS

TCCOR 4 – (Effective 01 June or as set by the 18th Wing Commander) Destructive winds are possible within 72 hours.

TCCOR 3 – Destructive winds are possible within 48 hours.

- Initiate General Clean-up / Secure Loose gear
- Identify Potential Training / Operational Impacts
- Prepare to secure personnel / equipment from field training
- Designated units prepare to provide personnel / equipment / communications support to camps per Typhoon Bulletin
- MAW: Determine aircraft hangar and evacuation requirements

TCCOR 2 - Destructive winds are anticipated within 24 hours.

- MAW: Evacuate applicable aircraft (complete NLT TCCOR 1); hangar all other Wing aircraft
- Base/Station: OSA flight ops complete/ aircraft hangered
- Ground units: Secure Field Training; prepare tactical vehicles for storm conditions
- Camps muster and brief damage control teams, stage designated damage control vehicles and) equipment
- MREs/water bulls delivered to Camp Commanders
- Base Emergency Operations Center (BEOC) Radio Net operational (Complete – LMR/DCO Chat/E-Mail/ Telephone)
- Camps / Stations Activate CEOCs / Conduct Communication Checks with BEOC (hourly after TCCOR-1 is set or as required)
- MCB Facilities Maintenance activates the MOC
- MCB Typhoon Watch Team has full connectivity with III MEF Ops Center

TCCOR 1 - Destructive winds are anticipated within 12 hours.

- All Damage Control Teams / Equipment in place at designated locations
- All non-essential activities discontinued
- No school for DoDEA students
- Mess Halls remain open

TCCOR 1 CAUTION - Winds of 34 - 49 knots are occurring at a particular installation.

- Typhoon- Watch Fully Manned
- All nonessential personnel released to quarters and remain indoors.
- All outdoor activities except those in direct support of urgent military missions will be discontinued.
- DoDEA schools close. Staff and teachers return or remain home.
- Base exchange, shops, Commissary, Shoppette, Gas Station, Services facilities, Clubs, Restaurants, Recreational Facilities and Post Office,
- Mess Halls will close.
- MCB Facilities Maintenance MOC (Maintenance Operations Center) fully stood up.
- Perform emergency work on exterior utilities/facilities as required.
- Communications Nets Activated
- One gate per camp manned with two Marines each
- Curtail government motor vehicle operations

TCCOR 1 EMERGENCY - Actual winds 50 knots or greater are occurring.

- All normal personnel movement and work activities discontinued – only essential military and civil operations and emergency functions.

TCCOR 1 RECOVERY – Destructive winds of 50 knots are no longer occurring. Actual winds are 34-49 knots.

- Damage and Safety Assessments
- OPREP-3 completed

TCCOR STORM WATCH – The winds are not forecast to exceed 50 knots sustained (the criteria for destructive winds) but there still exists a possibility of high winds due to the proximity of the storm. High winds may include gusts exceeding 50 knots and/or sustained winds.

TCCOR ALL CLEAR – Storm is over and is not forecast to return. Return to normal duties.

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EMERGENCY OPERATIONS CENTERS AND WATCH OFFICERS/STANDERS

<u>LOCATION</u>	<u>NUMBER</u>	<u>E-MAIL</u>
OKINAWA		
III MEF COMMAND CENTER	622-7706/7571	IIIMBC.FCT@USMC.MIL
1 ST MAW	645-2564/080-2737-9024	1MAW_G3_COPS@USMC.MIL
18 TH WING WO	634-1800/1841	18WG.NA.1 @US.AF.MIL
MCIPAC OOD/DWO	645-7218/2644/0282	MCBBUTLER.OOD.FCT@USMC.MIL
CAMP GONSALVES/JWTC	622-2205/2238/2807	MCBBUTLER.CEOC.GONSALVES.WO@USMC.MIL
CAMP SCHWAB	625-2215/2377	MCBBUTLER.CEOC.SCHWAB.WO@USMC.MIL
CAMP HANSEN	623-4922/4525	MCBBUTLER.CEOC.HANSEN.WO@USMC.MIL
CAMP COURTNEY CAMP OPS	622-9609	MCBBUTLER.CEOC.COURTNEY.WO@USMC.MIL
CAMP FOSTER CDO	645-7315	MCBBUTLER.CEOC.FOSTER.WO@USMC.MIL
CAMP KINSER	637-2311/3036	MCBBUTLER.CEOC.KINSER.WO@USMC.MIL
MCAS FUTENMA	636-3165/3100	MCAS.FUTENMA.WO@USMC.MIL MCAS.FUTENMA.WCHIEF.FCT@USMC.MIL
IE SHIMA	622-2600	IE.SHIMA.WO@USMC.MIL /GARRETT.STANLEY@USMC.MIL
PMO DWO CAMP FOSTER	645-2969/2284/2448	---
MAINTENANCE OPS CENTER	645-7294	MCBBUTLER_G-F_TYPHOON_WATCH@USMC.MIL
USNH OKINAWA	646-7311	USN.BUTLER.NAVHOSPOKINAWAJA.MESG.NHOKI-PAO@MAIL.MIL
CFAO	634-8232/8233 090-9789-9631 634-9310/9338	M-OK-CFAOEOCIMT@OCONUS.NAVY.MIL CFAO-CDO@FE.NAVY.MIL
10 TH SUPPORT GROUP, TORII	652-4708/5610	USARMY.TORII.USAG.LIST.PMO-MP-DESK@MAIL.MIL USARMY.TORII.USARPAC.MBX.OKINAWA-PAO@MAIL.MIL
OFF ISLAND		
CATC FUJI	224-8632/8475	CATC.FUJI.CEOC.WO@USMC.MIL
MCAS IWAKUNI	253-5503	MCAS.IWAKUNI.WO@USMC.MIL
CAMP MUJUK	767-4817	CAMPMUJUK.WO@USMC.MIL
MCB HAWAII	457-8857	MCBH.COMMAND.WATCH.OFFICE.FCT@USMC.MIL
USFJ COMMAND CENTER	223-6065/6066	PACOM.YOKOTA.USFJ.MBX.COMMAND-CENTER@MAIL.MIL
MARFORPAC	477-0077	MARFORPAC.COC.WO@USMC.MIL
MCICOM	99-009-1-910-391-4419	MCICOM_WATCH_OFFICER@USMC.MIL

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POST TROPICAL CYCLONE REPORT TO USFJ

Post Tropical Cyclone Report

Installation Name: _____ Date of Report: _____

Date/Time Entered: _____ TCCOR SW _____

TCCOR 5 _____ TCCOR 4 _____

TCCOR 3 _____ TCCOR 2 _____

TCCOR 1 _____ TCCOR 1 Caution _____

TCCOR 1 Emergency _____ TCCOR 1 Recovery _____

TCCOR All Clear _____

Evacuations: # Aircraft _____ # Ships _____ # Personnel _____

*Highest Wind Speed Recorded _____ (kt) Date/Time _____

*Date/Time Cross Wind > 15 kt Began _____ Ended _____

*Date/Time Cross Wind > 25 kt Began _____ Ended _____

*Date/Time Wind Speed > 35 kt Began _____ Ended _____

*Date/Time Wind Speed > 50 kt Began _____ Ended _____

Estimated Amount / Type of Damage (\$, trees downed, buildings damaged etc.):

Miscellaneous Remarks _____

* Note: Installations that do not possess certified wind measuring equipment are exempt from reporting wind data.

Send report to the III MEF Battle Center at IIIMBC.FCT@USMC.MIL (DSN 315-622-7706/7571).