



MASTER DIRECTIVES

UNITED STATES MARINE CORPS
MARINE AIRCRAFT GROUP 12
FIRST MARINE AIRCRAFT WING, FMFPAC
UNIT 37150
FPO AP 96603-7150

GruO P3140.2P
S3

4 JUN 1993

GROUP ORDER P3140.2P *W/CHY*

From: Commanding Officer
To: Distribution List

Subj: TROPICAL CYCLONE BILL

Ref: (a) MCASO P3140.3R
(b) MARCORBASESJAPANO P3000.1 *B*

Encl: (1) Locator Sheet

1. Purpose. To amplify instructions and procedures to be followed during Tropical Cyclone conditions per references (a) and (b).
2. Cancellation. GruO P3140.2N.
3. Action. All MAG-12 units will become familiar and comply with instructions and procedures contained in this Order and the references when based at Marine Corps Air Station, Iwakuni, Japan. Deployed units will comply with tropical cyclone bills promulgated by local area commands. Units may publish amplifying standing operating procedures to meet local requirements.
4. Applicability. This Order is applicable to all units assigned to MAG-12.
5. Summary of Revision. Order revised to reflect and implement policies and procedures of references (a) and (b).
6. Recommendations. Submit comments and recommendations regarding this order via the chain of command to this headquarters (Attn: Operations).
7. Certification. Reviewed and approved this date.

W. J. Horne
W. J. HORNE
Acting

DISTRIBUTION: A

Copy to: CG 1st MAW (Attn: G-3)
CO MCAS, Iwakuni Japan (Attn: Ops)



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UNITED STATES MARINE CORPS
MARINE AIRCRAFT GROUP 12
FIRST MARINE AIRCRAFT WING, FMFPAC
UNIT 37150
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GruO P3140.2P Ch 1
S1

20 AUG 1993

GROUP ORDER P3140.2P Ch 1

From: Commanding Officer
To: Distribution List

Subj: TROPICAL CYCLONE BILL

1. Purpose. To direct a pen change to the basic Order.
2. Action. On page 2-7 change paragraph 1b(4), to read "Restrict all flight operations" vice "Cancel all local flight operations."
3. Filing Instructions. File this Change immediately behind the signature page of the basic Order.

W. J. Horne
W. J. HORNE
Acting

DISTRIBUTION: A

TROPICAL CYCLONE BILL

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TROPICAL CYCLONE BILL

RECORD OF CHANGES

Log completed change as indicated.

Change Number	Date of Change	Date Entered	Signature of Person Entering Change
1	20 AUG 93	8 Aug 94	<i>[Signature]</i>

4 JUN 1993

LOCATOR SHEET

Subj: TROPICAL CYCLONE BILL

Location:

(Indicates the location(s) of the copy(ies) of this Order)

TROPICAL CYCLONE BILL

CHAPTER 1

GENERAL

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TROPICAL CYCLONE BILL

CHAPTER 1

GENERAL

1000. PURPOSE. The purpose of this order to reduce damage and injury that may be caused by tropical cyclones. This can be accomplished by careful preparation and planning. The cooperation of all personnel is required to achieve this objective.

1001. SCOPE. This order provides amplification of instructions and procedures contained in the references. As such, it is incumbent on each unit to be thoroughly familiar with the references and this order. Reference (a) pertains to and provides primary guidance for activities aboard MCAS Iwakuni, Japan. Chapter 6 of reference (b) provides guidance for 1st MAW.

1002. LEAVE/LIBERTY. Throughout all tropical cyclone conditions leave and liberty will be controlled by each Commanding Officer. Sufficient personnel must be kept on duty to accomplish normal tasks as well as handle special situations caused by the tropical cyclone. Personnel assigned to disaster control parties may be activated because of tropical cyclone damage. Additionally, those personnel whose presence is not immediately required, and who are secured to barracks or quarters during the more severe tropical cyclones represent a valuable work force and may be required to augment disaster control personnel in tasks ranging from sandbagging a breach in the seawall or watch relief. Whenever daily duty section personnel are secured to barracks/quarters during severe typhoon conditions, they should be instructed that they remain in a duty status and to refrain from alcohol consumption.

1003. DEPENDENTS. The protection of dependents is an important part of tropical cyclone defense planning. It is each Commanding Officer's responsibility to provide for this defense. Off-station dwellings are normally inferior to station buildings in their ability to withstand strong winds. When tropical cyclone condition II is set, off-station dependents will be accepted at station shelters. The period of stay in shelters is difficult to predict, but for planning purposes, a stay of up to 48 hours may be anticipated. Bedding and special foods, such as baby food, must be provided by each family. Families will be requested to stay in the designated station shelters until it is safe to leave.

1. Off-station residents should be advised to move to designated shelters or co-locate with friends aboard the station. Individuals required to remain on duty throughout the storm may prefer to have their families stay with friends aboard the station.

2. Keeping track of the location of dependents (other than those

in designated shelters) is the responsibility of each Commanding Officer/Officer in Charge or Department Head. Individual commands are responsible for providing transportation to designated shelters for dependents as required. Commands should contact the MAG-12 Typhoon Coordination Center (TCC) as required. Commands are highly encouraged to maintain maps indicating the location and directions to off-station residences.

1004. TROPICAL CYCLONE DEFENSE AND DISASTER CONTROL. Commanding Officers/Officers in Charge and Department Heads shall ensure their disaster preparedness plans include a means to pass pertinent information on conditions of readiness to subordinate divisions/sections and shall:

- o Review and update their control team list, submitting changes to the MAG-12 TCCO.

- o Ensure recall rosters are correct on all personnel, so that as conditions change key command personnel can be effectively recalled and initiate recall for their subordinates.

1005. TYPHOON COORDINATION CENTER. Each unit commander will establish a Typhoon Coordination Center (TCC) during tropical cyclone conditions IV and greater. The TCC shall be utilized to coordinate requests for support, assistance, damage control efforts, communicate pertinent information, and pass required reports to subordinate units and higher headquarters. During tropical cyclone conditions IV and III the TCC will be staffed by the Typhoon Coordination Center Officer (TCCO) or other designated personnel during normal working hours. After normal working hours the MAG-12 Group Duty Officer will assist until the TCCO is notified and the TCC is activated. During tropical cyclone conditions II, I, IE and IR the TCC will be staffed continuously by the TCCO and other designated personnel.

1006. LOCATION. The MAG-12 Typhoon Coordination Center (TCC) is located in the offices of the MAG-12, S-3 section, building 1450-F.

1007. FUNCTIONS OF THE TYPHOON COORDINATION CENTER

1. Advise all squadrons/sections listed in appendix A of changes in conditions.
2. Receive reports from all squadrons/sections as they complete setting conditions.
3. Receive reports of damage.
4. Coordinate damage control efforts and receive request for assistance.

5. Coordinate request for hangar space.
6. Make reports as required.
7. Coordinate tenant organization request for vehicles and similar equipment through the motor transport representative located at the TCC, phone 253-3079.
8. Coordinate the dissemination of tropical cyclone information to subordinate squadrons/sections.

1008. STAFFING. During conditions IV and III, the TCC will be staffed by MAG-12 S-3, personnel. Once condition II has been set, the TCCO will man the TCC and assign additional personnel as required.

1009. DAMAGE CONTROL TEAMS. Each squadron will establish a Damage Control Team (DCT) consisting of 20 personnel, including one SNCO supervisor. The senior member of each squadron DCT will be located at the MAG-12 TCC during tropical cyclone condition I and higher to recall other team members. All DCT members will be on standby for recall during tropical cyclone conditions III and higher. DCT's will be utilized as the situation warrants and at the discretion of the TCCO to provide support, as well as, emergency and clean-up services. TCC personnel and DCT members will be outfitted with equipment from the squadron's/unit's typhoon locker as outlined in paragraph 1010 and appendix E.

1010. TYPHOON LOCKER. The typhoon locker contains equipment and supplies that will be readily accessible on short notice to TCC personnel and DCT members. It shall include, but is not limited to:

- Foul weather gear
- Helmets
- Flak jackets
- Cartridge belts with canteens
- First aid kits
- Flashlights
- Whistles
- Rope
- Tape
- Reflective Vest

Supplies and equipment for emergency structure repair and clean-up support can be obtained from MAG-12 Ground Supply via the MAG-12 Logistics Officer. Additional supplies and support can be obtained from the Facilities Department as outlined in Chapter 8 of reference (a).

1011. COMMUNICATIONS. The primary means of communications for the MAG-12 Typhoon Communication Network members, will be the station

telephone system. In the event of primary system failure, the secondary means of communication will be by radio. All squadron/unit senior DCT reps will be issued ICOM-02N hand held radios by MWSS-171 Communications Section, and will monitor the MAG-12 Typhoon Command Net on frequencies assigned upon radio issue. This net will be used to pass information between the MAG-12 TCC and unit TCC's. The MAG-12 and MALS-12 TCC will monitor the MCAS Iwakuni Typhoon Command Net 3 on a ICOM-02AT hand-held radio. Plain language call signs will be used (e.g. "This is MALS-12"). Radio antennas should be remoted to improve reception and transmission of radio signals, if possible. Additionally, all personnel should monitor FEN TV and radio for information concerning tropical cyclone conditions. The following are MAG-12 Typhoon Command Net Members:

- a. MAG-12 TCC
- b. MAG-12 S-4 and Ground Supply
- c. MAG-12 TCC vehicle
- d. MALS-12 TCC
- e. VMFA (PAC) TCC
- f. VMFA (LANT) TCC
- g. VMFA(AW) TCC
- h. VMA TCC
- i. VMAQ TCC

1012. DISASTER SHELTERS. The primary station shelter for disaster preparedness will be the M. C. Perry School Gymnasium. The overflow shelter is the Sakura Theater.

1013. AREAS OF RESPONSIBILITY. Appendices B and F of this order depict the MAG-12 areas of police. Each unit will be responsible for the police of their hangars, barracks, ancillary buildings, flightlines, adjacent taxiways, fields, roadways, and parking areas. The MAG-12 TCCO will direct police efforts in areas not covered by units, as necessary.

TROPICAL CYCLONE BILL

CHAPTER 2

UNIT RESPONSIBILITIES

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CHAPTER 2

UNIT RESPONSIBILITIES

2000. PRE-TROPICAL CYCLONE SEASON. 1 December through 31 May is the pre-tropical cyclone season. To ensure readiness prior to and during the tropical cyclone season, the following tasks will be accomplished during May of each year:

1. MAG-12 Staff

a. Adjutant. Review, update and maintain current recall information to include: Sponsor and dependent names, phone number, and address.

b. Operations Officer

(1) Maintain and review this order. Make required action plans for each condition.

(2) Assign in writing a MAG-12 Typhoon Coordination Center Officer (TCCO) and Damage Control Team (DCT) members.

(3) Ensure that MAG-12 TCCO briefs all unit TCCOs on the requirements of this order.

(4) Attend the MCAS Iwakuni annual typhoon conference.

c. Logistics Officer. Determine MAG-12 logistics requirements and develop a plan for distribution.

2. Unit Commanders

a. Maintain and review this order. Make required action plans for each condition.

b. If commanding a UDP squadron, assign in writing a Unit TCCO, DCT members, and forward a copy to the MAG-12 (S-3) within 15 working days of arrival aboard MCAS Iwakuni. For all other permanently attached units, these personnel assignments are due no later than 15 May of each year and as changes occur.

c. Review, update and maintain current recall information on all personnel to include sponsor and dependent names, phone number, address, and if residing off-station, a map or directions to the residence.

d. For UDP commands, determine your requirements for MREs, cots, sleeping bags, water cans, lanterns, typhoon locker supplies, and other support equipment and forward to the MAG-12 Logistics Officer.

within 15 working days of squadrons arrival. All permanently attached units are required to submit these requirements no later than 15 May of each year.

e. UDP commands aboard MCAS Iwakuni during the typhoon season 1 June to 30 November, coordinate with MALS-12 on the hangaring plan for squadron aircraft and support equipment. This plan is due to MAG-12 (S-3) no later than 15 May of each year or within 15 working days of UDP squadron arrival, whichever is applicable.

3. MALS-12. Coordinate with MCAS Iwakuni Operations and assigned squadrons to develop and update, as required, a hangaring plan for all MAG-12 aircraft and support equipment. Provide this plan with changes as required to MAG-12 (S-3) no later than 25 May of each year.

2001. TROPICAL CYCLONE CONDITION IV. This condition is automatically set on 1 June and remains in effect until 30 November and indicates a possible threat of a tropical cyclone within 72 hours. The following tasks will be accomplished within this period:

1. MAG-12 STAFF

a. Operations Officer

(1) Periodically inspect MAG-12 areas of responsibility to ensure compliance with this order. Use appendices D, E, and F of this order for guidance.

(2) Maintain plots on all tropical cyclones. Notify the Commanding Officer of any potential threat.

(3) By 1 June of each year provide a hangaring plan to the Airfield and Harbor Operations Officer of all aircraft not anticipated to evacuate.

b. Logistics Officer. Maintain a MAG-12 typhoon locker per paragraph 1010 and appendix E of this order.

(1) Solicit from each squadron TCCO, the number of personnel requiring Meals Ready to Eat (MREs).

(2) Request from each Commanding Officer a letter designating personnel authorized to sign for MREs.

(3) Submit MRE request to the Commanding Officer, MCAS Iwakuni (Attn: Supply Division Officer) no later than 30 December of each year and update as necessary.

(4) No later than 30 December of each year submit a list of required typhoon locker supplies for the group and each squadron along with completed 1348s to MCAS Iwakuni, Logistics

Department Control Division Officer. This list should be updated as necessary to accomodate UDP/PCS variances.

(5) No later than 1 June of each year determine all potential users of emergency generators for each Squadron/Unit by name. Ensure that those personnel are designated in writing and receive proper training.

(6) No later than 1 June of each yaer compute the number of sandbags and tie down materials for all buildings and light structures listed in appendix B.

(7) Formulate a plan for building protection in order to raise wind resistance capability, for flying glass protection, and for removing or securing all loose gear.

2. Unit Commanders

a. Periodically inspect unit areas of responsibility to ensure compliance with this order. Utilize appendix D of this reference as a guide.

b. Maintain a typhoon locker per paragraph 1010 and appendix E of this order.

c. For UDP squadrons rotating in and out of MCAS Iwakuni from 1 June to 30 November, coordinate with MALS-12 (maintenance) an aircraft hangaring plan and provide this information to MAG-12 (S-3) within 15 working days of arrival.

d. For UDP squadrons deployed to MCAS Iwakuni on 1 May of each year, coordinate an aircraft hangaring plan with MALS-12 (maintenance) and provide this information to MAG-12 (S-3) no later than 15 May.

e. Squadrons whose UDP cycle fall within the tropical cyclone season shall submit a list of required typhoon locker supplies to MAG-12 (S-4) within 15 working days upon arrival at MCAS Iwakuni. All other permanently assigned commands will submit these requirements no later than 15 May of each year.

2002. TROPICAL CYCLONE CONDITION III. This condition indicates that destructive winds of 50 knots or greater are possible within 48 hours. The following tasks will be accomplished:

1. MAG-12 Staff

a. Commanding Officer

(1) Decide whether to evacuate or hangar aircraft.

(2) Suspend leave and liberty as necessary.

b. Adjutant. Coordinate an accurate accounting of personnel and their dependents locations at which they plan to shelter themselves during tropical cyclone conditions I and IE.

c. Operations Officer

(1) Notify 1st MAW of tropical cyclone condition III status in accordance with paragraph 6003.3.c of reference (b).

(2) Notify unit TCC's of tropical condition III status and the Commanding Officer's decision on whether to hangar or evacuate MAG-12 aircraft. Log these calls on appendix A, call sheets.

(3) Request all tenant squadron Operations Officers to prepare flight plans for potential aircraft evacuations, once suitable sites have been designated by MAG-12 (S-3).

(4) If aircraft are to be evacuated, publish further instructions and coordinate evacuation efforts. Chapter 7 of reference (a) provides amplifying instructions for evacuation.

(5) Inspect MAG-12 areas of responsibility to ensure compliance with this order. Use appendix D of this reference as a guide. Utilize the DCT for the securing of buildings and structures in accordance with chapter 8 of reference (a).

(6) Report available or required hangar space to the MCAS Iwakuni TCCO.

(7) Commence maximum efforts in tropical cyclone defense preparation, consistent with operational requirements.

(8) Ensure subordinate units secure all lightweight gear which must be stored in the open and police storage areas for unsecured objects that could become dangerous when propelled by strong winds. Appendix D of this order list some of these common items.

d. Logistics Officer. Coordinate request for supplies with MAG-12 Ground Supply, MWSS-171 and the Facilities Department.

(1) Ensure emergency vehicles and generators are fueled and serviced.

(2) Coordinate with MWSS-171 or facilities for basic or refresher training of generator operators on proper inspection, testing, operation, and where to get fuel.

(3) Coordinate with the Defense Reutilization Management Officer (DRMO) the collection of hazardous materials which may be susceptible to damage from destructive winds.

2. Unit Commanders

- a. Suspend leave and liberty as necessary.
 - b. Inspect unit areas of responsibility to ensure compliance with this order. Utilize the DCT for securing of buildings and structures in accordance with chapter 8 of reference (a).
 - c. If aircraft are to be evacuated, follow instructions published by MAG-12. Prepare flight plans for evacuation.
 - d. Submit requests for MREs, cots, sleeping bags, water cans, lanterns and other equipment to the MAG-12 Logistics Officer.
 - e. Maintain an accurate accounting of personnel and their dependents locations at which they plan to shelter themselves during tropical cyclone condition I and IE.
 - f. Consolidate and turn-in all hazardous materials which may be susceptible to damage from destructive winds. DRMO will coordinate the collection of hazardous materials.
 - g. Report to the MAG-12 TCCO when tropical cyclone condition III requirements have been met.
3. MALS-12. Coordinate with attached squadrons to determine available or required hangar space and report status to the MAG-12 TCCO.

2003. TROPICAL CYCLONE CONDITION CONDITION II. This condition indicates that destructive winds of 50 knots or greater are anticipated within 24 hours. The following tasks will be accomplished:

1. MAG-12 Staff

a. Adjutant. When directed by the Commanding Officer, coordinate notification of off-station residents of authority to move to designated shelters aboard the station.

b. Operations Officer

(1) Coordinate evacuation of aircraft.

(2) Notify 1st MAW of tropical cyclone condition II status and the location(s) of evacuated aircraft to include a point of contact.

(3) Notify unit TCC's of tropical cyclone condition II status.

~~(4) Cancel~~ ^{RESTRICT} all local flight operations.

(5) Activate, test and place on standby the MAG-12, typhoon communications network.

(6) Report to the MCAS Iwakuni TCCO when tropical cyclone condition II requirements have been met.

(7) Ensure that aircraft that cannot be evacuated or hangered will be tied down in the direction from which the maximum wind velocities are expected.

c. Logistics Officer

(1) Request MREs, cots, sleeping bags, water cans, lanterns and other support equipment from appropriate agencies and distribute them to the MAG-12 TCCO's as requested.

(2) Request a tactical 5-ton (M923/925) with operator from MWSS-171.

(3) Distribute ICOM-2N hand held radios from MWSS-171 to MAG-12 and unit TCC's.

(4) Ensure emergency vehicles and generators are fueled and serviced. Coordinate with generator operators on where to obtain replenishment fuel.

(5) Coordinate with DRMO on the collection of hazardous materials which may be susceptible to damage from destructive winds.

2. Unit Commanders

a. Evacuate or hangar aircraft, as directed.

b. Report any missing personnel or dependents to the MAG-12 TCCO.

c. Distribute MREs, cots, sleeping bags, water cans, lanterns, and other support equipment, maintaining accountability of all supplies.

d. Activate, test and place on standby, your section of the MAG-12 Typhoon Communications Net.

e. Report to the MAG-12 TCCO when tropical cyclone condition II requirements have been met.

3. MALS-12. Complete hangaring of aircraft and support equipment and report status to the MAG-12 TCCO.

2004. TROPICAL CYCLONE CONDITION I. This condition indicates that destructive winds of 50 knots or greater are anticipated within 12 hours. The following tasks will be accomplished:

1. MAG-12 Staff

a. Commanding Officer. Secure non-essential personnel to designated shelters.

b. Operations Officer

(1) Notify 1st MAW and unit TCC's of condition I status.

(2) The TCCO and designated personnel will man the TCC continuously.

(3) Activate and monitor the MAG-12, MCAS Iwakuni, and 1st MAW Typhoon Nets continuously.

(4) Report to the MCAS Iwakuni TCCO when tropical cyclone condition I requirements have been met.

c. Logistics Officer. Provide MAG-12 TCCO with a tactical 5-ton truck (M923/925) with operator.

2. Unit Commanders

a. Secure all non-essential personnel to designated shelters.

b. The TCCO and designated personnel will man the TCC continuously.

c. Activate and monitor the MAG-12 Typhoon Communication NET continuously.

d. Report to the MAG-12 TCCO when tropical cyclone condition I requirements have been met.

2005. TROPICAL CYCLONE CONDITION IE. This condition indicates that destructive winds of 50 knots or greater are anticipated within two hours. All personnel are required to remain in shelters/quarters unless authorized by the MAG-12 TCCO.

2006. TROPICAL CYCLONE CONDITION IR (RECOVERY)

1. All personnel are required to remain in shelters/quarters unless authorized outside.

2. Units/Squadrons may use condition IR to effect relief of duty crews. Transportation request will be made through the TCC; POVs are not authorized.

2007. TROPICAL CYCLONE CONDITION ALL CLEAR. This condition indicates that all tropical cyclone-related dangers have passed. The following tasks will be accomplished:

1. MAG-12 Staff

a. Adjutant. Submit a casualty report, if required, to 1st MAW to include: Name, grade, unit, injury and disposition.

b. Operations Officer

(1) Notify 1st MAW and unit TCC's of tropical cyclone conditions all clear status.

(2) Utilize DCT to clean-up MAG-12 areas of responsibility.

(3) Secure the MAG-12, MCAS Iwakuni communication networks.

(4) Submit initial and final damage reports to the MCAS Iwakuni TCCO per appendix C.

c. Logistics Officer. Coordinate return of cots, sleeping bags, water cans, lanterns and other support equipment to appropriate authorities.

2. Squadron/Unit Commanders

a. Utilize DCT to clean-up unit areas of responsibility.

b. Secure the MAG-12 Typhoon Communication Network.

c. Return all unused MRE's, cots, sleepin bags, water cans, lanterns and other support equipment to the MAG-12 Logistics Officer.

d. Submit a report of damages or casualties to the MAG-12 TCCO within 24-hours of setting tropical cyclone condition all clear status.

TROPICAL CYCLONE BILL

APPENDIX A

CALL SHEET

PRIORITY	TELEPHONE NUMBER DWH/AWH	SET CYCLONE CONDITION			
		AT (DATE) TIME	I (TIME)	(DATE)	(TIME) INDIVIDUAL CONTACTED
1.	MAG-12 S-3 3521				
2.	MAG-12 GDO 4029				
3.	MALS-12 SDO 4024				
4.	VMFA-LANT SDO 4895				
5.	VMFA-PAC SDO 4528				
6.	VMA SDO 6870				
7.	VMAQ SDO 4243				
8.	VMFA(AW) SDO 4012				
9.	MAG S-1 4392				
10.	MAG S-3 5295				
11.	MAG S-4 3064				
12.	MAG GRD SUPPLY 5393				

TROPICAL CYCLONE BILL

APPENDIX B

MAG-12 BUILDINGS

BLD NUMBER	USE DESCRIPTION	RESPONSIBLE UNIT	
335	MALS-12 BEQ	MALS-12	
1217	TOILET	MAG-12	
1222	MAG-12 SUPPLY OFFICE	MAG-12	
1223	MAG-12 MCP WAREHOUSE	MAG-12	
1224	MAG-12 MCP MAREHOUSE	MAG-12	
1226	MAG-12 NBC WAREHOUSE	MAG-12	
1242	MAG-12 GRD MCP WAREHOUSE	MAG-12	
1245	MAG-12 GRD MCP WAREHOUSE	MAG-12	
1260	FLAMMABLE WAREHOUSE	MAG-12	
1285	MAG-12 WAREHOUSE	MAG-12	
1286	MAG-12 S-4 STORAGE	MAG-12	
1395	MAG-12 BEQ	MAG-12	
1410	MAINT HANGAR	CURRENT SQDN	
1420	NBC WAREHOUSE	MAG-12	
1435-E	OLD FLT LINE CLINIC	MAG-12	
1450-A	MAG-12 S-4/CMS/GDO	MAG-12	
1450-C	MAG-12 CO/XO/SGT MAJ/S-1	MAG-12	
1450-D	MAG-12 PSD	MAG-12	
1450-E	MAG-12 S-2/CMCC	MAG-12	
1450-F	MAG-12 S-3/DOSS	MAG-12	
1450-G	MAG-12 TWTC/FISCAL	MAG-12	
1450-H	MAG-12 PSD	MAG-12	
1451	CHAPLAIN	MAG-12	
1452	MAG-12 FISCAL	MAG-12	
1459	STDBY GENERATOR SHED	MAG-12	
1686	BEQ VMA	CURRENT SQDN	
2025	FLAGPOLE	MAG-12	
2026	FLAGPOLE	MAG-12	
2027	FLAGPOLE	MAG-12	
2172	PHOTO VAN PAD #1422, W/TV	MALS-12	
273	SQDN HDQTRS	VMA(AW)	
274	TOILET	VMA(AW)	
281	A/C MNT HANGAR #A	VMA(AW)	Note 1
281	A/C MAINT OFC #A	VMA(AW)	Note 1
281	A/C MAINT HANGAR #C	VMA	Note 1
281	IN HANGAR SHOP/FLT LN #C	VMA	Note 1
281	SQDN HDQTRS #C	VMA	Note 1
282	SQDN HDQTRS	VMA	
291	SQDN HQ ANNEX	VMA	
203	BEQ 2ND/3RD FLOORS	VMAQ	
255	SQDN HDQTRS	VMAQ	
259	HQ ANNEX	VMAQ	
281	A/C MAINT HNGR #B	VMAQ	Note 1
281	IN HANGAR SHOP #B	VMAQ	Note 1
281	A/C MAINT SHOP #B	VMAQ	Note 1
1301	MANT CONTROL	VMFA LANT	
1302	FLT/EQUIP SEAT SHOP	VMFA LANT	

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1303	FLT LINE/MAINT CONT	VMFA LANT
1304	ORDNANCE SHOP	VMFA LANT
1308	FLAMMABLE STORAGE	VMFA LANT
1310	IN HANGAR MAINT SHOP	VMFA LANT
1310	SQDN HDQTRS	VMFA LANT
1324	S-4/COFFEE MESS/MESS	VMFA LANT
1325	MAINT/S-4	VMFA LANT
1326	MAINT/QA	VMFA LANT
1327	MAINT/READY ROOM	VMFA LANT
1510	A/C MAINT HANGAR	VMFA PAC
1510	MAINT OFF/AVIONICS/FLT EQUIP	VMFA PAC
1510	SQDN OFC	VMFA PAC
1518	MAINT SHOP	VMFA PAC
1519	A/C MAINT SHOP	VMFA PAC
1701	ORDNANCE SHOP	VMFA PAC
61	F/A-18 VAN PAD 1-S#1562	MALS-12
62	F/A-18 VAN PAD 2-w#1630	MALS-12
63	F/A-18 VAN PAD 3-N#1733	MALS-12
64	AV-8B VAN PAD 4-W#735	MALS-12
65	AV-8B VAN PAD 1-w#261	MALS-12
192	CRYOGENICS BLDG W/JP5 TANK	MALS-12
199	LOX PLANT STORAGE SHELTER	MALS-12
200	LOX SECTION	MALS-12
261	AVIATION SUPPLY WAREHOUSE	MALS-12
261	AVIATION SUPPLY IMRL	MALS-12
428	PAINT STORAGE VAULT	MALS-12
430	AIRFRAME SHOP	MALS-12
435	COOLING TOWER SHED	MALS-12
436	PARACHUTE SHOP	MALS-12
490	A/C MAINT DIV	MALS-12
493	GRND SUPPORT EQPT SHOP #A	MALS-12
493	A/C HANGAR O/H SPACE #B	MALS-12
493	GSE HOLDING SHED #A	MALS-12
493	A/C HANGAR 01 SPACE AMO#B	MALS-12
497	A/C MAINT DIV	MALS-12
707	MISSILE LAUNCHER SHED/TECH REP	MALS-12
710	JET ENGINE MAINT SHOP P-788	MALS-12
713	AVIATION ARMAMENT WAREHOUSE	MALS-12
716	A/C WASH SLVNT MIX/AIR CMPR	MALS-12
717	A/C WASH HW BOILER HOUSE	MALS-12
718	MAG-12 HAZMAT SITE	MALS-12
720	HAZMAT WASTE STORAGE	MALS-12
730	ORD STORAGE	MALS-12
731	ORD GUN EQUIP STORAGE	MALS-12
735	AVN ORD SHOP	MALS-12
744	CORROSION CNTRL HANGAR	MALS-12
1322	ORDNANCE WAREHOUSE STORAGE	MALS-12
1323	AVIONICS WAREHOUSE	MALS-12
1358	BEQ MALS-12	MALS-12
1421	VAN MAINT WHSE	MALS-12
1422	CLASSROOM	MALS-12
1423	CLASSROOM	MALS-12
1432	STORAGE	MALS-12
1435-A	FLT LINE CLINIC	MAG-12

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1504	JET ENGINE MAINT SHOP	MALS-12
1507	DROPTANK REPAIR SHOP	MALS-12
1508	JET ENGINE STG SHELTER	MALS-12
1515	TEST CELL STORAGE	MALS-12
1541	F/A-18 VAN PAD TOILET	MALS-12
1542	CONVERTER/GENERATOR SHOP	MALS-12
1620	AVIATION SUPPLY	MALS-12
1624	AVN SUPPLY DEPLMT SUPPORT	MALS-12
1625	AVN SUPPLY STK/CNTRL/PP&P	MALS-12
1628	MOBILE FAC MAINT	MALS-12
1630	AVN SUPPLY REPAIRABLE MATL DIV	MALS-12
1631	AVN SUPPLY MAINT P/C	MALS-12
1635	AVN SUPPLY CONSUMABLE/REC	MALS-12
1701	A/C MAINT TOOL CTR/NDI	MALS-12
1720	A/C WASH BOILER/CMPRSSR SHED	MALS-12
1723	AVN SUPPLY ACCOUNTING DIV	MALS-12
1724	AVN SUPPLY OFC	MALS-12
1726	AVN SUPPLY STORAGE	MALS-12
1727	TOILET	MALS-12
1728	AVN SUPPLY OFC	MALS-12
1729	POWER PLANTS	MALS-12
1732	ORDNANCE AAE READY SERVICE	MALS-12
1733	ORDNANCE AWSE SHOP	MALS-12
1735	AVN SUPPLY STORAGE	MALS-12
1741	MOTOR GENERATOR SHED	MALS-12
1742	ADP STORAGE	MALS-12
1747	AVN SUPPLY RESPONSE/QA	MALS-12
1748	TOILET/SHOWER ROOM	MALS-12
2108	LOX PLANT JP-5 TANK #192S	MALS-12
2130	A/C WASHRACK #701S	MALS-12
2169	LOX CART SHELTER	MALS-12
2171	F/A-18/EA6-B/AV8 VANPAD #795N	MALS-12
M 7-20	GSE PARKING AREA	MALS-12
M 7-21	A/C WASHRACK NORTH	MALS-12
M 7-31	GSE PARKING AREA	MALS-12

Note 1. Designed to withstand wind velocities of at least 100 knots per hour.

TROPICAL CYCLONE BILL

APPENDIX C

DAMAGE REPORT FORMAT

1. Duty officers shall submit the initial damage report to the TCC immediately following condition IR. The initial report should describe damage to essential services (water, power and physical security). Division Officers/Unit Commanders/Commanding Officers shall update this report immediately following "All Clear".
2. Submit the final damage report via the Unit/Squadron Commander to the MAG-12 TCC within 24 hours of "All Clear". The final report should contain TYPHOON related damage only.
3. Sample format: (Report will be hand delivered, telephoned, or radioed to the MAG-12 TCC for further dissemination to the Facilities Officer).

SAMPLE

From: Duty Officer/Unit/Squadron Commander
To: MAG-12 TCCO
Subj: INITIAL/FINAL TYPHOON DAMAGE REPORT

1. Contact point for _____ Unit/Squadron is _____ at extension XXX-XXXX.
2. Problem (Example)
 - a. No power at Building 141.
 - b. A street light is down across street from Building 141.
 - c. Six (6) windows broken out of second story Building 141.
 - d. Tree is down blocking access to Building 143.
 - e. Fence blown down along "D" street near the Branch Clinic.

Signature

TROPICAL CYCLONE BILL

APPENDIX D

CHECKLIST FOR SECURING LOOSE GEAR

1. The following list consists of items commonly found unsecured for typhoon conditions of readiness. Proper storage will help minimize loose object damage associated with high winds and rain.
 - a. Boards, plywood, and other construction materials.
 - b. Metal objects.
 - c. Trash cans and trash.
 - d. Chocks.
 - e. Storage boxes.
 - f. Ladders, pipes, and hoses.
 - g. Trailers.
 - h. Boxes.
 - i. Signs.
 - j. Tires.
 - k. Fire extinguishers.
 - l. Pallets and crates.
 - m. Any other large items that could cause damage during high winds and heavy rains.

TROPICAL CYCLONE BILL

APPENDIX E

LIST OF RECOMMENDED TYPHOON SUPPLIES

<u>NOMENCLATURE</u>	<u>NSN</u>	<u>U/I</u>	<u>CARRIED MCAS?</u>
MASKING TAPE 2"	7510-00-266-6710	RO	YES *
MASKING TAPE 3"	7510-00-266-6707	RO	YES *
MASKING TAPE 4*	7510-00-266-6708	RO	YES *
ROPE 5/8"	4020-00-290-5810	CL	YES
FLASHLIGHT	6230-00-163-1856	EA	YES *
BATTERIES, D CELL	6135-00-835-7210	PG	YES
FIRST AID KITS	6545-00-922-1200	KT	YES *
HARD HATS	8415-00-935-3139	EA	YES *
SAND BAGS, EMPTY	8105-01-331-4019	HD	YES
CHEM-LIGHTS	6260-01-074-4229	BX	NO
SHOVEL	5120-00-293-3336	EA	YES
GLOVES	8415-00-268-8330	PR	YES *
CROW BAR	5120-00-224-1390	EA	NO
CORN BROOM, PUSH	7920-00-267-2969	EA	YES
HANDLE, CORN BROOM	7920-00-141-5452	EA	YES *
AXE	5120-00-293-2336	EA	NO
TRASH BAG, PLASTIC	8105-01-183-9786	BX	YES *
BOLT CUTTERS	5110-00-596-9162	EA	YES
PEN, BALL POINT	7520-00-935-7135	DZ	YES *
WRITING PAD, STENO	7530-00-223-7939	PG	YES *
RAKE	5120-00-224-9239	EA	NO
DRUM, 55 GAL W/LID	8110-00-823-8121	EA	YES

*SERVMART ITEM

(USE STANDARD REQUISITIONS (1348-6) FOR ORDERING THESE ITEMS THROUGH CONTROL DIVISION, LOGISTICS DEPARTMENT

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APPENDIX F

AREAS OF POLICE

