UNITED STATES MARINE CORPS
HEADQUARTERS MARINE CORPS AIR STATION MIRAMAR
PO BOX 452000
SAN DIEGO CA 92145-2000

IN REPLY REFER TO:
StaO 3140.1
5DF6
06 OCT 1998

STATION ORDER 3140.1

From: Commanding Officer
To: Distribution List

Subj: DESTRUCTIVE WEATHER STANDING OPERATING PROCEDURE (SHORT TITLE: DESTRUCTIVE WEATHER SOP)

Ref: (a) OPNAVINST 3140.24, Warnings and Conditions of Readiness Concerning Hazardous or Destructive Phenomena

Encl: (1) Weather Warning and Condition of Readiness Call Sheet
(2) CDO's Weather Warning and Condition of Readiness Call Sheet

1. Purpose. To promulgate information concerning destructive weather and establish procedures for issuing weather warnings and setting conditions of readiness affecting Marine Corps Air Station (MCAS) Miramar.

2. Background. The reference is the guiding document on weather warnings and conditions of readiness for all Navy and Marine Corps commands.

3. Information

a. The Commanding Officer, MCAS Miramar evaluates, sets, and coordinates conditions of readiness (COR's) for MCAS Miramar as local weather conditions dictate. The MCAS Miramar Weather Service Officer is responsible for issuing weather warnings for this command.

b. Upon notification of destructive weather conditions, organizations will take protective measures prior to the arrival of destructive weather. Precaution must include consideration for (1) safe tie-down or stowage of aircraft and vehicles; (2) securing all loose materials of any type that may be picked up by the wind and hurled with destructive force; (3) shelter for personnel; and (4) minimizing potential fire hazards.

UNITED STATES MARINE CORPS
HEADQUARTERS MARINE CORPS AIR STATION MIRAMAR
PO BOX 452000
SAN DIEGO CA 92145-2000

StaO 3140.1 Ch 3
G-3
14 NOV 2001

STATION ORDER 3140.1, CH 3

From: Commanding General
To: Distribution List

Subj: DESTRUCTIVE WEATHER STANDING OPERATING PROCEDURES (SHORT TITLE: DESTRUCTIVE WEATHER SOP)

1. Purpose. To direct pen changes to the basic Order.

2. Action

a. Throughout the Order change "Weather Service Officer" and "Weather Service Branch" to read "METOC Services Officer" and "METOC Services Branch."

b. Page 3, paragraph 5b, last sentence, change "Take precautions that will minimize damage" to read "Take immediate precautions in order to minimize damage to equipment and personnel."

c. Page 4, paragraph 5l, add the following subparagraphs:

"(1) Tornado Watch - Conditions are conductive for tornadic activity and severe thunderstorms within and close to the watch area.

(2) Tornado Warning - A tornado has actually been sighted or indicated by weather radar.

(3) Severe Thunderstorm Watch - Severe thunderstorm (wind gusts of 50 knots or greater or hail of 3/4 inch in diameter or greater at the surface) development is possible within or adjacent to the watch area.

(4) Server Thunderstorm Warning - The occurrence of a severe thunderstorm has been confirmed by observation or weather radar."

d. On page 7, paragraph 6h, change "https://weather.miramar.usmc.mil" to read "https://metoc.miramar.usmc.mil."

e. On page 8, paragraph 6l, add to the end of the sentence, "Golf course activity will also be restricted during thunderstorm condition I."

f. On page 9, paragraph 8, second to the last line, add "AC/S G-3" between "Station" and "Operations."

3. Filing Instructions. File this Change transmittal directly behind the signature page of the basic Order.

D. J. MCDANIEL
Chief of Staff

DISTRIBUTION: A

c. Although dangerous winds are seldom experienced at MCAS Miramar, it is imperative that adequate steps be taken, commensurate with the conditions set, to minimize injury to personnel and damage to property in the event of hazardous weather conditions.

d. Exposed structures, equipment and aircraft can withstand extreme wind velocities with little damage if adequate preparations are made. Most of the damage normally suffered is from airborne debris. Outside trash receptacles, sign boards, antennas and articles in outside storage are frequently dislodged and hurled over great distances with destructive force. Proper stowing and securing of equipment, likely to be dislodged and become airborne in the event of high winds, is essential to minimize damage.

e. Heavy rainfall that frequently accompanies high winds may cause extensive flood damage. Supplies and equipment in outside storage areas are particularly vulnerable. Tarpaulins and other protective coverings are frequently dislodged by high winds allowing damage by the heavy rain.

f. Lightning is a clear danger to personnel and equipment engaged in fueling/defueling or ordnance operations. Even though thunderstorms may not be on station, thunderstorm activity may charge antennas and vehicles with static electricity. Charges of 300 volts DC will arc 3 inches to a grounded object. Lightning is also a danger to personnel located on high exposed areas, in swimming pools and on beaches. Thunderstorms do not have to be directly overhead to pose a threat of lightning strikes.

g. Hail is observed infrequently on the ground in Southern California but is present in most thunderstorms. During severe thunderstorm activity, an increased potential for ground damage is present. Hail damage is primarily a threat to exposed equipment. One quarter to one half inch hail may chip paint, break glass and cause similar damage to equipment. One to two inch hail may cause extensive damage to equipment and also pose a serious threat to exposed personnel.

4. Terms

a. The Local Area is that area within a 25 nautical mile (nm) radius of the air station centered on the airfield.

b. Tropical Cyclones are organized low pressure areas characterized by rapid decreases in pressure and increasing winds toward the center of the storm. They can range in size from 60 nm up to 1000+ nm. There are three stages of intensity: tropical depression (winds 33 knots or less), tropical storm (34-63 knots), and hurricane (greater than 63 knots).

c. Thunderstorms are small scale storms accompanied by thunder and lightning. Hail, destructive winds, and torrential rain are often associated with thunderstorms.

d. Tornadoes are violently rotating columns of air, usually in the shape of a funnel, extending from a thunderstorm. Winds inside them have been estimated at 100 to more than 250 knots. The updraft within the funnel may exceed 175 knots in extreme cases. Tornadoes generally move at 20 to 35 knots and have an average lifetime of 20 minutes. Tornadoes are most often associated with severe thunderstorms.

e. Severe thunderstorms are those with the potential to produce winds of 50 knots or more and/or hail ¾ inch in diameter or larger.

f. Winds that do not fall under the above categories can still be destructive. Large differences in pressure between adjacent high and low pressure centers invariably produce strong winds. The most recognizable wind regime in southern California is the Santa Ana. This is usually a wintertime situation when high pressure builds in the Great Basin; gaps in the mountains funnel this wind in local areas greatly increasing their speed.

5. Destructive Weather Definitions

a. Thunderstorm/Tornado Condition II (Use applicable term). Destructive winds accompanying the phenomena indicated are expected in the local area within six hours. Associated lightning/ thunder, torrential rain, hail, severe down bursts and sudden wind shifts are possible. Take precautions that will permit establishment of an appropriate state of readiness on short notice.

b. Thunderstorm/Tornado Condition I (Use applicable term). Destructive winds accompanying the phenomena indicated are imminent or are occurring in the local area. Associated lightning/thunder, torrential rain, hail, severe down bursts, and sudden wind shifts are possible. Take precautions that will minimize damage.

c. Tropical Storm/Hurricane Condition V (Use applicable term). Secure from tropical storm/hurricane condition. Threat of storm has passed. Return to normal operations.

d. Tropical Storm/Hurricane Condition IV (Use applicable term). Trend indicates a possible threat of destructive winds of force indicated within 72 hours. Review hazardous and destructive weather implementation plans.

e. Tropical Storm/Hurricane Condition III (Use applicable term). Destructive winds of force indicated are possible within 48 hours. Take preliminary precautions.

f. Tropical Storm/Hurricane Condition II (Use applicable term). Destructive winds of force indicated are anticipated within 24 hours. Take precautions that will permit establishment of an appropriate state of readiness on short notice.

g. Tropical Storm/Hurricane Condition I (Use applicable term). Destructive winds of force indicated are anticipated within 12 hours. Take appropriate precautions to minimize damage.

h. Tropical Storm/Hurricane Condition IE (Use applicable term). Destructive winds of force indicated are imminent or anticipated within 2 hours.

i. Wind Warning. Sustained surface winds of 20-33 knots or frequent gusts of 25 knots or more are anticipated.

j. High Wind Warning. Sustained winds of 34 knots or greater, or frequent gusts of 40 knots or more are anticipated.

k. NWS (National Weather Service) Severe Thunderstorm/Tornado Watch/Warning. Watches are issued by the Storm Prediction Center in Norman, OK; warnings are issued by the local NWS forecast offices. Those that will affect the local area will be disseminated to the air station.

6. Responsibilities

a. Commanding Officer. The Commanding Officer will order an appropriate Condition of Readiness (COR) for the station whenever sustained winds of 34 knots or greater from a tropical cyclone are anticipated. COR's shall apply to all host, tenant and transient commands and units located aboard MCAS Miramar.

b. Commanding General, 3d Marine Aircraft Wing - Miramar. Weather Warnings and COR's shall be disseminated to all 3d MAW Miramar Groups and units located aboard MCAS Miramar by the Group Duty Officers (GDO's). The following procedures apply:

(1) The GDO's will notify their Squadron Duty Officers (SDO's) immediately upon receipt of a weather warning or COR for the local area, and will log the time of notification and name and grade of the duty officer notified.

(2) When COR I or II is set, the Station Operations/ Disaster Control Center Officer and the Executive or Commanding Officer will be informed upon completion of all preparations for the COR by all MCAS tenant commands and 3d MAW - Miramar units.

(3) The Group Commander shall ensure that all duty personnel are instructed in the foregoing procedures and shall institute similar notification procedures within the group.

c. Commanding Officer, MAG 46. Weather Warnings and COR's will be disseminated immediately upon receipt to all MAG-46 squadrons and units by the GDO. The following procedures apply:

(1) The GDO will notify SDO's immediately upon notification of weather warnings and COR's in the local area and will log the time of notification and name/ grade of the duty officer notified.

(2) Whenever COR I or II is set, the Station Operations/ Disaster Control Center Officer and the Executive or Commanding Officer will be informed upon completion of all preparations for the COR.

(3) The squadron commanding officers shall ensure that all duty personnel are instructed in the foregoing procedures and shall institute similar notification procedures within their units.

d. Department Heads. Develop a local policy covering specialized items not covered in this instruction, to include the possibility of messing and billeting of additional duty personnel. Unless provided for by separate instruction, assume that emergency electrical power will not be available.

e. Operations. Establish a Disaster Control Center (DCC) in Bldg. 9211 once COR III is set. The Operations Duty Officer (ODO) shall act as the DCC Officer until COR I is set; the Operations Officer shall assume control at that time. Communications must be established and maintained with the Command Duty Officer (CDO), PMO, the Base Fire Department, 3d MAW - Miramar, MAG-11, MWSG 37, and MAG-46. An Emergency Operations Center (EOC) will be established at the Base Fire Department once COR I is set for coordination of the lifesaving and fire fighting efforts. The EOC will have liaison personnel from the Navy Medical Branch Clinic, Aircraft Rescue Firefighting, and Public Works Department. The DCC will coordinate all other measures during and after the storm. Once COR IE is set, close all gates except for the main gate, and direct all nonessential personnel to their quarters. All departments and tenant units will provide the DCC with the name and recall number of their Destructive Weather Representative once COR III is set.

f. Airfield Operations

(1) Ensure local flights from MCAS Miramar and point-to-point flights to stations where communication is available are notified of COR's and weather warnings.

(2) Ensure transient aircraft are apprised of COR's and weather warnings.

(3) If evacuation of aircraft is planned, notify appropriate Federal Aviation Administration (FAA) and military agencies and coordinate dispersal of aircraft with the evacuation sites.

(4) Secure aircraft fueling/defueling when lightning is within 5 nm and ordnance handling when lightning is within 10 nm.

g. Station Activities and Tenant Commands. Ensure that routine operating procedures provide for the safety of personnel, aircraft and equipment under seasonal weather conditions. Internally prepare and promulgate destructive weather checklists for subordinate activities and units, outlining specific precautionary measures to be taken when notified of a weather warning or Condition of readiness. When practicable, hanger space shall be utilized for storage of aircraft and vehicles when COR I is set. Aircraft shall be tied-down heading into the expected wind, if possible. Thunderstorm conditions will not normally require any measures in excess of standard tie-downs.

Be prepared to provide personnel and equipment to the DCC, on request, to assist in the recovery effort. Provide the DCC the name and recall phone number of their Destructive Weather Representative once COR III is set.

h. Weather Service Officer. Disseminate timely weather warnings and COR's to all host and tenant commands, and make recommendations for the setting of COR's. Provide tropical cyclone current and forecast positions to all MCAS activities and tenant commands beginning with COR IV. Ensure that Station and 3d MAW - Miramar Ordnance is immediately advised whenever thunderstorm-associated cloud-to-ground (CG) lightning activity moves inside a 10 nautical mile (nm) radius of the station, centered on the airfield, and then when it either dissipates or moves outside that radius.

i. Station CDO and 3d MAW - Miramar GDO's. Upon notification that a weather warning or COR has been set for MCAS Miramar, further disseminate such information to subordinate activities and units.

j. Station and 3d MAW - Miramar Ordnance. Suspend operations when notified of thunderstorm lightning activity within 10 nm of the station. Ordnance should be made safe and personnel should seek cover. Aircraft already loaded not requiring arming procedures may taxi and launch at the discretion of unit Commanding Officers and pilots in command as modified by other applicable instructions. Aircraft already loaded with ordnance requiring arming shall not be armed until the thunderstorm lightning activity dissipates or moves beyond 10 nm of the station. Aircraft landing during the above activity requiring dearming shall remain in the dearming area until the activity has passed or dissipates. Resume operations only when notified by the Station Weather Service Branch that the activity has either dissipated or moved beyond 10 nm.

k. Fuels Division. Suspend all fueling and defueling of aircraft when lightning is within 5 nm and conduct or resume operations only when notified by the Station Weather Service Branch that the activity has dissipated or moves beyond 5 nm and that it is now safe to resume operations.

l. Morale, Welfare and Recreation (MWR) - Swimming Pools. Instruct all swimming pool lifeguards to secure swimming during periods of audible thunder or visible lightning. Personnel should not be allowed to resume swimming for at least 15 minutes after thunder is last heard or lightning is last observed.

7. Recovery

a. Emergency Recovery Measures. During any storm, the primary consideration shall be the safety of personnel. All nonessential personnel will remain indoors once COR IE is set. All requests for lifesaving and fire fighting services will be handled by the EOC with the DCC notified after the fact.

b. Initial Recovery Measures. Once secured from protective measures, the following actions will be initiated (in the order listed) by available emergency recovery forces (*Note: COR V will not be set until this phase is complete. All nonessential personnel will remain in their quarters, subject to recall.*):

(1) Rescue personnel.

(2) Fight fires.

(3) Restore utilities for emergency services with emphasis on the potable water system.

(4) Clear all main roads and aircraft runways of debris.

(5) Provide for the messing and billeting of emergency personnel, as required.

c. Final Recovery Measures. Once initial recovery measures are complete and COR V is set, commence the final recovery phase. Assignments will continue to be coordinated through the DCC Officer until secured by the Commanding Officer. This phase will consist of the following actions in the order given:

(1) Restore utilities to normal operations.

(2) Clear all secondary roads.

(3) Restore work spaces to normal operations.

(4) Restore messing and billeting areas to normal operations.

(5) Restore on-base family quarters, as practicable.

(6) Evacuated aircraft will return at the discretion of the respective commanding officer.

8. Reports. The duty officer of tenant units aboard MCAS Miramar and Station department heads and offices of special assistants will make the following reports to the Station Commanding Officer: (Station Operations Officer/DCCO at 7-4075 DWH and to the CDO at 7-1141 AWH.).

a. Completion of the minimum measures of preparedness for a specific COR.

b. Serious injury to personnel, accidents and major damage to facilities and equipment as they occur. (Reported to the EOC and DCCO when in COR I.)

c. Reports required by sortie and evacuation instructions are mandatory. Failure to receive such reports shall be interpreted as an act of distress and Search And Rescue (SAR) operations may be initiated.

9. This order has the concurrence of the Commanding General, 3rd Marine Aircraft Wing and Commanding Officer, Marine Aircraft Group 46.

10. Certification. Reviewed and approved this date.

T. A. CAUGHLAN

DISTRIBUTION: MCAS: A

UNITED STATES MARINE CORPS
HEADQUARTERS MARINE CORPS AIR STATION MIRAMAR
PO BOX 452000
SAN DIEGO CA 92145-2000

StaO 3140.1 Ch 1
G-3
18 OCT 1999

STATION ORDER 3140.1, CH 1

From: Commanding General
To: Distribution List

Subj: DESTRUCTIVE WEATHER STANDING OPERATING PROCEDURES (SHORT TITLE: DESTRUCTIVE WEATHER SOP)

1. Purpose. To direct pen changes to the basic Order.

2. Action

a. Throughout the basic Order change "Commanding Officer" to read "Commanding General."

b. On page 6, paragraph 6e, third sentence add "MAG-16" after "MWSG 37."

c. On page 8, paragraph 6l, change the title "Morale, Welfare and Recreation (MWR)" to read "Marine Corps Community Services (MCCS)."

d. On Enclosure (1) page 2, add "MAG-16 S-3/GDO 7-6503 7-1779" after "MAG-11 S-3/GDO."

e. On Enclosure (2) page 2, change "MWR" to read "MCCS."

3. Filing Instructions. File this Change transmittal directly behind the signature page of the basic Order.

T. A. CAUGHLAN
Chief of Staff

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UNITED STATES MARINE CORPS
HEADQUARTERS MARINE CORPS AIR STATION MIRAMAR
PO BOX 452000
SAN DIEGO CA 92145-2000

StaO 3140.1 Ch 2
G-3
2 NOV 2000

STATION ORDER 3140.1, CH 2

From: Commanding General
To: Distribution List

Subj: DESTRUCTIVE WEATHER STANDING OPERATING PROCEDURES (SHORT TITLE: DESTRUCTIVE WEATHER SOP)

Encl: (1) New page insert of Enclosure (1)
(2) New page insert of Enclosure (2)

1. Purpose. To direct pen changes, and transmit new page inserts to the basic Order.

2. Action

a. Page 3, paragraph 5a, first sentence, change "Destructive winds accompanying the phenomena indicated are expected in the local area within six hours" to read "Thunderstorms are forecast to occur within the local area within six hours."

b. Page 3, paragraph 5b, first sentence, change "Destructive winds accompanying the phenomena indicated are expected in the local area within six hours" to read "Thunderstorms are imminent or are occurring in the local area."

c. Page 3, paragraph 5b, insert the following after the last sentence, "Air mass thunderstorms that have formed over the mountains to the east generally pose no threat to the Air Station. If this activity is not expected to drift westward toward the airfield, the call sheets for this condition will be restricted to 3d MAW flying units, MAG-46, the Marine Flight Detachment and EOD."

c. Page 4, add new paragraph 5i. "Thunderstorm Advisory. Thunderstorm activity is expected within a 50 nm radius of the Air Station excluding the local area." Renumber the remaining paragraphs accordingly.

d. Page 5, paragraph 6b(2), change "When COR I and II is set, the Station Operations/Disaster Control Center Officer and the Executive or Commanding Officer will be informed upon completion of all preparations for the COR by all MCAS tenant commands and 3d MAW - Miramar units" to read "When COR I or II is set, the AC/S G-3 Operations Officer/Disaster Control Center Officer and the Chief of Staff or Commanding General will be informed upon completion of all preparations for the COR."

e. Page 5, paragraph 6c(2), change "Whenever the COR I or II is set, the Station Operations/Disaster Control Center Officer and the Executive or Commanding Officer will be informed upon completion of all preparations for the COR" to read "When COR I or II is set, the AC/S G-3 Operations Officer/Disaster Control Center Officer and the Chief of Staff or Commanding General will be informed upon completion of all preparations for the COR."

f. Page 6, paragraph 6e, second sentence add "AC/S G-3" between "The" and "Operations." Same paragraph third sentence, add, "MAG-16" after MAG-11."

g. Page 7, paragraph 6h, second sentence change "Provide tropical cyclone current and forecast positions to all MCAS activities and tenant commands beginning with COR IV" to read "Provide tropical cyclone current and forecast positions to all MCAS activities, tenant commands and units via the Weather website at URL: https://weather.miramar.usmc.mil."

h. Page 7, paragraph 6i, change paragraph subject line from "Station CDO and 3d MAW - Miramar GDO's" to read "3d MAW-Miramar and MAG-46 GDO's."

i. Remove Enclosures (1) and (2) and replace with the new enclosed Enclosures (1) and (2).

3. Filing Instructions. File this Change transmittal directly behind the signature page of the basic Order.

T. A. CAUGHLAN
Chief of Staff

DISTRIBUTION: A

Weather Service Branch

Weather Warning and Condition of Readiness Call Sheet

Date: _____

Time Issued: _____

(CHECK ONE)

_____ *Tropical Storm/Hurricane Condition V (All Clear/ Recovery Measures Complete)
_____ *Tropical Storm/Hurricane Condition IV (within 72-hours)
_____ *Tropical Storm/Hurricane Condition III (within 48-hours)
_____ *Tropical Storm/Hurricane Condition II (within 24-hours)
_____ *Tropical Storm/Hurricane Condition I (within 12-hours)
_____ *Tropical Storm/Hurricane Condition IA (within 2-hours)

_____ Thunderstorm/Tornado Condition II (within local area & within 6-hours)
_____ Thunderstorm/Tornado Condition I (imminent or occurring)

_____ Thunderstorm Advisory (outside Local Area but within 50nm)

_____ Lightning within/ outside 5 nm (Fuels ONLY)
_____ Lightning within/ outside 10 nm (Ordnance ONLY)

_____ Wind Warning (20-33 knots sustained or gusts >/= 25 knots): Direction_____ Speed_____ Gusts to_____
_____ High Wind Warning (>/= 35 knots sustained or gusts >/= 40 knots): Direction_____ Speed_____ Gusts to_____

_____ NWS Severe Thunderstorm/Tornado Watch/Warning
Movement:_____ Max. Winds_____ Hail_____

* = Set by the Commanding Officer, MCAS Miramar

SET _____ **EXTEND** _____ **AMEND** _____ **CANCEL** _____

Issued or Approved by: _____

Valid from _____ to _____ local (date & time).

DEPARTMENT/UNIT	DWH	AWH	INITIALS AND TIME CALLED
ODO	7-4217	In Person	
Tower	7-6255		N/A
Radar	7-6256		N/A
Ordnance	7-1790/1796/1797/619-200-9873		
Fuels	7-1793		
CG MCAS, Chief of Staff	7-1221/1222	NA	
Station CDO/CDC	7-6989	7-1141	
3d MAW Trng	7-7297/4009		
MAG-11 S-3/ GDO	7-1439		
MAG-46 S-3/ GDO	7-6831		
MAG-16 S-3/ GDO	7-6483		
Explosive Safety	7-4988/1357/1359	NA	
ARFF	7-6912/6935		
Station Training	7-4487		
Base Construction	7-6196		
Naval Pacific Meteorology and Oceanography (METOC) Center (NPMOC) North Island	619-545-4650		
CNSD (T1 & T2 Only)	7-6622		
AirField Ops Officer	7-1823	619-200-7832	
GEMD	7-4850/4998/6023		
VAL	7-4284		
Wing EOD	7-6036		
Station EOD	7-7800		
MACS-1 ATC Det D	7-7276		
MACS-1 ATC Det B	7-9787/8485		
MWSG-37 Training	7-7210/6668/8430		
MACG-38 Training	7-7535/7534		
Golf Course	7-4155/4156		
Pool	7-4140/4137		

Updated 10 October 2000

Calls made by _____

Time completed _____

ENCLOSURE (1)
(2 NOV 2000)

Flight Clearance

Weather Warning and Condition of Readiness Call Sheet

Date: _____

Time Issued: _____

(CHECK ONE)

_____ *Tropical Storm/Hurricane Condition V (All Clear/ Recovery Measures Complete)
_____ *Tropical Storm/Hurricane Condition IV (within 72-hours)
_____ *Tropical Storm/Hurricane Condition III (within 48-hours)
_____ *Tropical Storm/Hurricane Condition II (within 24-hours)
_____ *Tropical Storm/Hurricane Condition I (within 12-hours)
_____ *Tropical Storm/Hurricane Condition IA (within 2-hours)

_____ Thunderstorm/Tornado Condition II (within local area & within 6-hours)
_____ Thunderstorm/Tornado Condition I (imminent or occurring)

_____ Thunderstorm Advisory (outside Local Area but within 50nm)

_____ Lightning within/ outside 5 nm (Fuels ONLY)
_____ Lightning within/ outside 10 nm (Ordnance ONLY)

_____ Wind Warning (20-33 knots sustained or gusts >/= 25 knots): Direction_____ Speed_____ Gusts to_____
_____ High Wind Warning (>/= 35 knots sustained or gusts >/= 40 knots): Direction_____ Speed_____ Gusts to_____

_____ NWS Severe Thunderstorm/Tornado Watch/Warning
Movement:_____ Max. Winds_____ Hail_____

* = Set by the Commanding Officer, MCAS Miramar

SET _____ **EXTEND** _____ **AMEND** _____ **CANCEL** _____

Issued or Approved by: _____

Valid from _____ to _____ local (date & time).

DEPARTMENT/UNIT	DWH	AWH	INITIALS AND TIME CALLED
VMFAT-101	7-1728		
VMFA-121	7-9356/1		
VMFA-134	7-4905		
VMFA-225	7-6103		
VMFA-232	7-6792		
VMFA-242	7-9127		
VMFA-314	7-4432		
VMFA-323	7-1143		
HMM-161			
HMM-163	7-8902		
HMM-165	7-8009		
HMM-166	7-8064		
HMH-462	7-6968		
HMH-465	7-4748		
HMH-466			
PMO	7-4068		
Joint Fire/PMO	7-4059/1213/1004		
Dispatch Center			
Fire Chief	7-1490/1962	NA	
PAO	7-4933/6000		
USN-USMC Reserve Ctr.	9-537-8040		
NMBC	7-9849/4656		
MCCS Admin.	7-4119/4099		
MCCS Fitness Center	7-4128		
H&HS Training	7-4487	NA	
Billeting	7-4233		
Aviation Supply	7-1503		
Public Works (PWD)	7-1619		

Updated 10 October 2000

Calls made by _____

Time completed _____

UNITED STATES MARINE CORPS
HEADQUARTERS MARINE CORPS AIR STATION MIRAMAR
PO BOX 452000
SAN DIEGO CA 92145-2000

StaO 3140.1 Ch 3
G-3
14 NOV 2001

STATION ORDER 3140.1, CH 3

From: Commanding General
To: Distribution List

Subj: DESTRUCTIVE WEATHER STANDING OPERATING PROCEDURES (SHORT TITLE: DESTRUCTIVE WEATHER SOP)

1. Purpose. To direct pen changes to the basic Order.

2. Action

a. Throughout the Order change "Weather Service Officer" and "Weather Service Branch" to read "METOC Services Officer" and "METOC Services Branch."

b. Page 3, paragraph 5b, last sentence, change "Take precautions that will minimize damage" to read "Take immediate precautions in order to minimize damage to equipment and personnel."

c. Page 4, paragraph 5l, add the following subparagraphs:

"(1) Tornado Watch - Conditions are conductive for tornadic activity and severe thunderstorms within and close to the watch area.

(2) Tornado Warning - A tornado has actually been sighted or indicated by weather radar.

(3) Severe Thunderstorm Watch - Severe thunderstorm (wind gusts of 50 knots or greater or hail of 3/4 inch in diameter or greater at the surface) development is possible within or adjacent to the watch area.

(4) Server Thunderstorm Warning - The occurrence of a severe thunderstorm has been confirmed by observation or weather radar."

d. On page 7, paragraph 6h, change "https://weather.miramar.usmc.mil" to read "https://metoc.miramar.usmc.mil."

e. On page 8, paragraph 6l, add to the end of the sentence, "Golf course activity will also be restricted during thunderstorm condition I."

f. On page 9, paragraph 8, second to the last line, add "AC/S G-3" between "Station" and "Operations."

3. Filing Instructions. File this Change transmittal directly behind the signature page of the basic Order.

D. J. MCDANIEL
Chief of Staff

DISTRIBUTION: A