



UNITED STATES MARINE CORPS  
MARINE CORPS AIR GROUND TASK FORCE TRAINING COMMAND  
MARINE CORPS AIR GROUND COMBAT CENTER  
BOX 788100  
TWENTYNINE PALMS, CALIFORNIA 92278-8100

CCO 6200.3E

3

JAN 24 2013

COMBAT CENTER ORDER 6200.3E

From: Commanding General  
To: Distribution List

Subj: THE WET-BULB GLOBE TEMPERATURE INDEX SYSTEM/PREVENTION OF HEAT CASUALTIES

Ref: (a) NAVMED P-5010-3  
(b) MCO 6200.1E

Encl: (1) Heat Condition Distribution List (Mainside)  
(2) Heat Condition Distribution List (Camp Wilson)

1. Situation. Marine Corps Air Ground Task Force Training Command (MAGTFTC), Marine Corps Air Ground Combat Center (MCAGCC) lies in an area of extreme summer heat. Due to the combination of extreme summer heat and low humidity, the amount of body water and electrolytes that could be lost may go unnoticed, producing a dangerous health hazard. In accordance with the references, personnel must be thoroughly indoctrinated in survival under these climatic conditions prior to commencement of the summer season. A thorough and proper understanding of the causes of heat stroke or exhaustion will reduce casualties.

2. Cancellation. CCO 6200.3D.

3. Mission. To provide information on the types, causes, recognition, and treatment of heat casualties; promulgate procedures and responsibilities for collection of Wet-Bulb Globe Temperature Index (WBGTI) readings; set forth limitations on training in accordance with (IAW) the references; and assign responsibility and establish procedures for the dissemination of heat conditions.

4. Execution

a. Commander's Intent and Concept of Operations

(1) Commander's Intent. To conduct training and physical exercise in a safe manner reducing injuries, fatalities, and loss of work, especially during the hot weather season. Leaders responsible for the training oversight, administration, or conduct of operations will meet the requirements of the references.

(2) Concept of Operations. Safety training, standard operating procedures, and mishap reporting and investigation requirements, for all mishaps, will be completed in accordance with the references.

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b. Subordinate Element Missions

(1) Assistant Chiefs of Staff (AC/S), Commanding Officers, Officers In Charge, and Directors

(a) Ensure all personnel under your command are familiar with the references.

(b) Monitor real-time WBGTI prior to any field exercise or outdoor activities using the flag condition in the Naval Hospital Twentynine Palms (NHTP) website at <http://www.nhnp.med.navy.mil>. You may also obtain information from Meteorological and Oceanographic (METOC) section at (760) 830-7809/7831.

(c) Ensure subordinates are notified and establish training and working restrictions, in accordance with the references, when notified of a heat condition.

(d) Inspect and evaluate all hot weather-related operations and training activities.

(e) Ensure all unit members are informed that wearing of body armour or the Nuclear, Biological, and Chemical uniform adds approximately 10 degrees to the measured WBGTI. Exposure limits will be adjusted accordingly.

(f) Assess the hazards and risks presented by the training activity or facility; determine controls and implement controls.

(g) Ensure safety requirements are embedded in the operating procedures and training includes controls to minimize mishaps or halt the activity or operation when unsafe conditions exist.

(h) Provide safety training to personnel in accordance with an approved curriculum.

(i) Ensure training and education are obtained from medical personnel and personnel under your cognizance receive initial and annual refresher heat injury prevention training.

(j) Conduct additional heat injury prevention training any time the commander deems necessary.

(k) Conduct training using qualified medical personnel and include the types, causes, prevention, and emergency treatment of heat casualties. Training shall also include the explanation of the WBGTI, accompanying flag warning system, and the location of reading.

(l) Ensure heat condition flags, if displayed, are changed upon notification of a change in the heat condition.

(2) Assistant Chief of Staff G-1, Adjutant. Ensure the Command Duty Officer (CDO) performs the following:

(a) Monitor the NHTP website at <http://www.nhnp.med.navy.mil> on an hourly basis.

(b) Notify Range Control (BEARMAT) at (760) 830-6623 and units within enclosure (1) when contacted by NHTP or when website changes to and from a black flag condition.

(c) Make a logbook entry when the flag condition changes to and from a black flag notating the date, time, unit, rank, and name of the individual.

(d) Notify BEARMAT at (760) 830-6623 and units within enclosure (2) when contacted by the METOC for Camp Wilson.

(e) After normal working hours, on weekends, and holidays change the heat condition flag on the southwestern side of building 1554 to reflect the current mainside heat condition at all times.

(3) Assistant Chief of Staff G-3. Continuously monitor the real-time WBGTI using the NHTP website for mainside heat conditions and remain in contact with METOC for Camp Wilson heat conditions.

(a) Combat Camera. Continuously monitor the real-time WBGTI using the NHTP website for mainside heat conditions and remain in contact with METOC for Camp Wilson heat conditions. When heat conditions change, transmit the date, time, and heat condition.

(b) Range Control. Continuously monitor the real-time WBGTI using the NHTP website for mainside heat conditions and remain in contact with METOC for Camp Wilson heat conditions. When heat conditions change, inform all units in the field.

(4) Assistant Chief of Staff Marine Corps Community Services (MCCS). Continuously monitor the real-time WBGTI using the NHTP website for mainside heat conditions and remain in contact with METOC for Camp Wilson heat conditions. When heat conditions change, display appropriate heat condition flags at all outside athletic locations managed by MCCS.

(5) Commanding Officer, Marine Corps Communication-Electronics School. Continuously monitor the real-time WBGTI using NHTP website for mainside heat conditions and remain in contact with METOC for Camp Wilson heat conditions. When heat conditions change, display appropriate heat condition flags at all heat condition flag poles in your area of responsibility.

(6) Commanding Officer, Naval Hospital Twentynine Palms

(a) Maintain the collection site for heat stress data.

(b) Collect heat stress data and complete the WBGTI every hour from 1 May to 30 September or anytime the outside air temperature is 80 degrees Fahrenheit or greater.

(c) Retain a record of time and date of the WBGTI reading for a period of two years.

(d) Determine from the WBGTI when the following heat conditions are in effect:

1. Heat Condition I (Green flag): When the WBGTI reaches 80.0 degrees Fahrenheit.

2. Heat Condition II (Yellow flag): When the WBGTI reaches 85.0 degrees Fahrenheit.

3. Heat Condition III (Red flag): When the WBGTI reaches 88.0 degrees Fahrenheit.

4. Heat Condition IV (Black flag): When the WBGTI reaches 90.0 degrees Fahrenheit and above.

(e) When Heat Condition II is unusual, notify AC/S G-3 or CDO. (Examples of unusual heat conditions are during the winter months of November - April or heat conditions at night). The AC/S G-3 will make a determination as to whether or not field training in the vicinity of mainside shall continue. If field training is halted, BEARMAT or the AC/S G-3 will notify units involved.

(f) Maintain the website at <http://www.nhtp.med.navy.mil> with real-time WBGTI information. If website is inaccessible, use the telephone process as a primary means to keep all informed. As a rule, telephone notification will only be done if the website is unavailable with the exception of black flag conditions. When black flag conditions exist, as a safety precaution, the telephone notification process will be completed to augment information available on the website.

1. Report via telephone to the AC/S G-3 at (760) 830-7772/4786 and the G-1 Adjutant at (760) 830-8692, when Heat Condition I or higher, or when there is an increase or decrease of heat condition during the day.

2. After normal working hours, on weekends, and holidays report via telephone to the MAGTFTC, MCAGCC CDO at (760) 830-7200, when Heat Condition I or higher, or when there is an increase or decrease of heat condition during the day.

(g) Provide, upon request, instructions concerning the prevention, recognition, and emergency treatment of heat casualties.

#### (7) Supervisors of Civilian Employees

(a) Regardless of heat or other climatic conditions, supervisors have a responsibility to observe their subordinates' appearance, conduct, work, and take appropriate action to seek medical aid if symptoms of heat stroke, exhaustion or other distress appear.

(b) If the nature of the work is such that a completion point must be reached prior to quitting, every effort will be made to complete the work without jeopardizing the employee's health. Allowing a worker frequent short rest periods, reducing the work pace, and ensuring adequate water intake are appropriate safety measures. The health of an employee who may become a heat casualty takes precedence over the accomplishment of the job. Work should continue only if employees do not require medical aid.

(8) Officer In Charge, Meteorological and Oceanographic

(a) Maintain the collection site for heat stress data.

(b) Collect heat stress data and complete the WBGTI every hour from 1 May to 30 September or anytime the outside air temperature is 80 degrees or greater.

(c) Retain a record of the time and date of the WBGTI reading for a period of two years.

(d) Determine from the WBGTI readings when the following heat conditions are in effect:

1. Heat Condition I (Green flag): When the WBGTI reaches 80 degrees to 84.9 degrees Fahrenheit.

2. Heat Condition II (Yellow flag): When the WBGTI reaches 85 degrees to 87.9 degrees Fahrenheit.

3. Heat Condition III (Red flag): When the WBGTI reaches 88 degrees to 89.9 degrees Fahrenheit.

4. Heat Condition IV (Black flag): When the WBGTI reaches 90 degrees Fahrenheit and above.

(e) When Heat Condition II is unusual, notify AC/S G-3 or CDO. (Examples of unusual heat conditions are during the winter months of November - April or heat conditions at night). The AC/S G-3 will make a determination as to whether or not field training in the vicinity of mainside shall continue. If field training is halted, BEARMAT or the AC/S G-3 will notify units involved.

(f) Maintain the stand-alone Automated Stress System (AHSS) and all applicable back-up equipment to determine WBGTI information. Due to Navy-Marine Corps Intranet restrictions the AHSS is not available via the internet; however, telephone notification is the primary means to keep all training units in the vicinity of Camp Wilson informed of the current heat condition.

(g) Change the heat condition flag at the Strategic Expeditionary Landing Field main gate to reflect the current Camp Wilson heat condition at all times.

(h) Report via telephone to the AC/S G-3 at (760) 830-6662/4789, BEARMAT at (760) 830-6623, and the G-1 Adjutant at (760) 830-8692, when it is Heat Condition I or higher, or when there is any increase or decrease of heat condition.

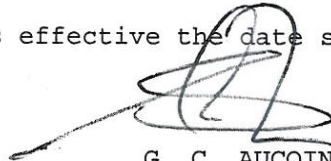
(i) After normal working hour(s), on weekends, and holidays report via telephone to the MAGTFTC, MCAGCC CDO at (760) 830-7200, when it is Heat Condition I or higher, or when there is any increase or decrease of heat condition.

5. Administration and Logistics. Distribution Statement A directives issued by the Commanding General are distributed via email upon request and can be viewed at <http://www.29palms.usmc.mil/dirs/manpower/adj/ccotoc.asp>.

6. Command and Signal

a. Command. This Order is applicable to active duty, reserve, and civilian personnel aboard the Combat Center.

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



G. C. AUCOIN  
Chief of Staff

Heat Condition Distribution List (Mainside)

1. MAGTF/TC, MCAGCC Staff Secretary
2. Assistant Chief of Staff G-1, Adjutant
3. Assistant Chief of Staff G-3
  - a. BEARMAT
  - b. Officer In Charge, Range Management Control Division
  - c. Officer In Charge, Marksmanship Training Unit
  - d. Officer In Charge, Operations
4. Assistant Chief of Staff G-4
5. Assistant Chief of Staff G-6
6. Assistant Chief of Staff Marine Corps Community Services
7. Commanding Officer, Headquarters Battalion (S-3)
8. Director, Tactical Training Exercise Control Group
9. Commanding Officer, Marine Corps Communication-Electronics School (School Ops)
10. Director, Sergeant's Course
11. Commanding Officer, 7th Marine Regiment
12. Commanding Officer, 3rd Battalion, 11th Marines
13. Commanding Officer, 1st Tank Battalion
14. Commanding Officer, 3rd Light Armored Reconnaissance Battalion
15. Commanding Officer, 3rd Amphibious Assault Battalion
16. Commanding Officer, Combat Logistics Battalion 7
17. Commanding Officer, Marine Wing Support Squadron 374
18. Commanding Officer, Unmanned Aerial Vehicle Squadron 1
19. Commanding Officer, 23rd Dental Company
20. Commanding Officer, Marine Corps Logistics Operations Group
21. Commanding Officer, Marine Corps Tactic and Operations Group
22. Commanding Officer, Marine Unmanned Aerial Vehicle Squadron 3

Heat Condition Distribution List (Camp Wilson)

1. MAGTFTC, MCAGCC Staff Secretary
2. Assistant Chief of Staff G-3
  - a. BEARMAT
  - b. Officer In Charge, Marksmanship Training Unit
  - c. Officer In Charge, Operations
3. Director, Tactical Training Exercise Control Group
4. Officer In Charge, Exercise Logistics Coordinating Center
5. Combat Center Fire Department (Camp Wilson)
6. Commanding Officer, 7th Marine Regiment
7. Commanding Officer, 3rd Battalion, 11th Marines
8. Commanding Officer, 1st Tank Battalion
9. Commanding Officer, 3rd Light Armored Reconnaissance Battalion
10. Commanding Officer, 3rd Amphibious Assault Battalion
11. Commanding Officer, Combat Logistics Battalion 7
12. Commanding Officer, Marine Wing Support Squadron 374
13. Commanding Officer, Unmanned Aerial Vehicle Squadron 1