



UNITED STATES MARINE CORPS  
U.S. MARINE CORPS AIR STATION  
YUMA, ARIZONA 85369-5000

StaO 3440.2F  
3NA3  
29 Nov 90

STATION ORDER 3440.2F

From: Commanding Officer  
To: Distribution List

Subj: CONTROL OF RADIO FREQUENCY RADIATION HAZARD (RAD-HAZ)

Ref: (a) NAVORD 3565/NAVAIR 16-I-529 (Confidential)  
(b) TI-5840-15/1

1. Purpose To provide information and policy concerning Radio Frequency Radiation Hazards control at MCAS Yuma, AZ.

2. Cancellation StaO 3440.2E

3. Information

a. Reference (a) is the Radio Frequency Radiation Hazards Manual and contains information on radiation hazards to various types of ordnance, fuel and exposed personnel. General and specific procedures, precautions and restrictions are discussed in detail, and methods of identifying unsafe conditions are explained and illustrated.

b. Reference (b) contains additional tables which show limited radio-frequency hazard distances.

4. Background

a. Ordnance RAD-HAZ. In recent years the use of electroexplosive device's (EED's) has increased greatly. At the same time, the power of communications and radar transmission equipment has been increased and the frequency spectrum broadened. These trends have resulted in several accidental detonations of ordnance items when EED's were initiated by electromagnetic radiation from transmitting equipment.

b. Personnel RAD-HAZ. Development of radio frequency transmitting systems with high power transmitters and high gain antennas has increased the possibility of thermal injury to personnel working in the vicinity of these radiation sources.

c. Fuel RAD-HAZ. The increase in radiation radio frequency energy from higher powered communications and radar equipment has increased the potential hazard of radio frequency induced ignition of volatile fuel-air mixtures. This flammable condition under normal operating conditions is present close to aircraft fuel vents, open fuel inlets, during over-the-wing fueling, or close to spilled fuel.

CONTROL OF RADIO FREQUENCY RADIATION HAZARD (RAD-HAZ)

5. Policy

a. RAD-HAZ conditions set forth below will be established locally at MCAS Yuma and used as necessary to exercise control of electromagnetic radiations in a specified area.

(1) RAD-HAZ Condition ALPHA. All radio transmitters operating on a frequency below 100MHZ within a specified area(s) will be silenced for a specified time.

(2) RAD-HAZ Condition BRAVO. All radio and radar transmitters, including aircraft equipment within 1000 feet of a specified area (s) will be silenced for a specified time.

(3) RAD-HAZ Condition CHARLIE. All radio and radar transmitters located within a specified distance from the hazard source shall be silenced for a specified time.

(4) No portable or mobile radio will be operated without prior authorization from the MCAS Yuma RAD-HAZ Officer. This includes visiting squadrons and contractors.

6. Responsibilities

a. Department Heads. Insure that all personnel are briefed on radiation hazards contained herein.

b. Station Electronics Maintenance Officer. The Station Electronics Maintenance Officer is designated as the Station RADHAZ Control Officer. He will thoroughly familiarize himself with all references applicable to this order. Additionally, he will perform the following tasks:

(1) Coordinate with RAD-HAZ Control Officer of tenant organizations assisting them, when possible, on all RAD-HAZ matters.

(2) Advise the Airfield Operations Officers of RAD-HAZ conditions as appropriate.

(3) Coordinate with the Station Facilities Management Officer to ensure that RAD-HAZ areas are properly posted.

c. Station Facilities Management Officer. Fabricate and erect signs to mark RAD-HAZ areas as requested by the RAD-HAZ Control Officer.

CONTROL OF RADIO FREQUENCY RADIATION HAZARD (RAD-HAZ)

d. Station Medical Officer. Be thoroughly familiar with those portions of reference (a) which are pertinent to the medical requirements of RAD-HAZ control. Coordinate with RAD-HAZ Control Officer to ensure that all requirements are fulfilled.

e. S-3 Officer. Set RAD-HAZ conditions as appropriate (unclassified/priority message and/or telephone will be utilized for this purpose).

f. ROICC Officer. Notify contractors that approval from RAD-HAZ Officer is necessary before operating radios aboard MCAS Yuma.

7. Concurrence. The Commanding Officer, MAG-13, 2d LAAM Bn, MACS-7, MWSS-371, MAWTS-1, CSSD-16, and VMFT-401 concur in and make this Directive applicable to their respective Commands.

  
C. T. DUNSTAN  
By direction

DISTRIBUTION: B

