UNITED STATES MARINE CORPS
MARINE CORPS AIR STATION
BOX 99100
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StaO 3440.2I
S-6
10 JAN 2013

STATION ORDER 3440.2I

From: Commanding Officer
To: Distribution List

Subj: HAZARDS OF ELECTROMAGNETIC RADIATION TO ORDNANCE (HERO)

Ref: (a) Hazards of Electromagnetic Radiation to Ordnance Assessment of Marine Corps Air Station Yuma, Arizona, 13 Sep 12
(b) Electromagnetic Radiation Hazards (Hazards to Ordnance), NAVSEA OP 3565/NAVAIR 16-1-529, Volume 2, Eighteenth Revision, 1 Apr 11
(c) NAVFAC 11010/31 Parts I and II, Subj: Request for Project Site Approval/Explosive Safety Certification

Encl: (1) General HERO Requirements
(2) Ordnance
(3) Station Drawings
(4) HERO Summary
(5) HERO EMCON Procedures
(6) Antenna and Transmitter Systems
(7) HERO Warning Label and Warning Symbol
(8) Station Call List for HERO EMCON

1. Purpose. To promulgate policy and procedures for safe handling, transportation, and stowage of ordnance with regard to Radio Frequency Radiation Hazards (HERO) control at Marine Corps Air Station (MCAS) Yuma. Enclosure (1), lists the general HERO requirements. The information contained in enclosures (2) through (7) is provided in reference (a), the current HERO assessment report for this facility.

2. Cancellation. StaO 3440.2H and all previous instructions.

3. Scope. This instruction is applicable anytime ordnance operations are conducted onboard this facility.

4. General Discussion. As described in reference (b), electromagnetic radiation (EMR) hazards stem from the functional

characteristics of electrically initiated ordnance, and are a result of absorption of electromagnetic energy by the firing circuitry of electrically initiated devices (EIDs). The induced energy can cause heating of the bridge wire and primary explosive, and can result in premature, unintended actuation of the EID. Such an event can pose either a safety or reliability problem. In general, ordnance is most susceptible to radio-frequency (RF) electromagnetic environments (EMEs) during assembly, disassembly, handling, loading, and unloading. There are four classifications pertinent to HERO: HERO SAFE ORDNANCE, HERO SUSCEPTIBLE ORDNANCE, HERO UNSAFE, and HERO UNRELIABLE ORDNANCE. Therefore, HERO emission control (EMCON) and ordnance handling restrictions and procedures (see reference (a)) form a compromise which allows for the safe handling of ordnance within the existing EME. EMCON is derived from an analysis of the EMEs produced by the existing antenna/transmitter systems and the ordnance susceptibilities described in reference (b), or through a HERO survey. The following paragraphs describe the categories of ordnance.

a. HERO SAFE ORDNANCE: Items that require no EME restrictions beyond the general HERO requirements described in Chapter 7, paragraph 7-3 of reference (b).

b. HERO SUSCEPTIBLE ORDNANCE: Items that are susceptible and require moderate EME restrictions.

c. HERO UNSAFE ORDNANCE: Items that are extremely susceptible and require severe EME restrictions.

d. HERO UNRELIABLE ORDNANCE: Any ordnance item, including those having a HERO SAFE ORDNANCE or HERO SUSCEPTIBLE ORDNANCE classification, whose performance is degraded due to exposure to the RF environment, is defined as being HERO UNRELIABLE ORDNANCE when its internal wiring is physically exposed; when tests are being conducted on the item that result in additional electrical connections to the item; when EED's having exposed wire leads are present, handled, or loaded in any but the tested condition; when the item is being assembled or disassembled; or when such ordnance items are damaged causing exposure of internal wiring or components or destroying engineered HERO protective devices. Ordnance items containing EIDs whose performance is degraded due to exposure to the RF environment and which have not been classified as HERO SAFE or SUSCEPTIBLE by either test or design analysis are HERO UNRELIABLE ORDNANCE and are subject to the restrictions of NAVSEA OP 3565/NAVAIR 16-1-529, Volume 2. Items that fall into this classification may be exempted from being

classified as HERO UNRELIABLE ORDNANCE as the result of HERO tests conducted to determine specific susceptibility.

5. ESTM. The Explosive Safety Technical Manuals (ESTM) CD-ROM contains electronic copies of various ammunition safety references, including the current revision of reference (b) and reference (d). Users can view, search, and print these Adobe Acrobat PDF-formatted references.

6. HERO Instruction. Provides specific guidance germane to the antenna/transmitter systems at the station in order to mitigate the concern for HERO. Reference (a) contains the HERO EMCON procedures tailored specifically for this station. The general HERO precautions are listed in enclosure (1). Enclosure (2) addresses the facility's ordnance. The ordnance items listed in this enclosure are sorted by Navy Ammunition Logistic Code (NALC) and/or Department of Defense Identification Code (DoDIC). Each item's respective HERO status is also documented (e.g., "No HERO Requirement," "SAFE," "SUSCEPTIBLE," "UNSAFE," or "UNRELIABLE). Enclosure (3) contains the station drawings. These drawings show ordnance storage and operational areas, transportation routes, current transmitter and antenna locations, and HERO zones. Enclosure (4) contains the applications for setting HERO Conditions. Enclosure (5) contains the HERO EMCON procedures. Enclosure (6) provides HERO separation distances for the antenna/transmitter systems. Enclosure (7) illustrates a recommended HERO warning label and symbol. Through the use of enclosure (8), the Command Duty Officer (CDO), upon notification, will set the appropriate HERO EMCON Condition to ensure that EMEs do not exceed acceptable levels.

7. Action. This instruction shall be disseminated to all personnel/departments impacted by HERO EMCON. This includes personnel/departments that handle ordnance, operate transmitter systems, or are responsible for overseeing the safe execution of ordnance operations.

8. Responsibilities

a. Commanding Officers (COs)/Officers-in-Charge and Department Heads/Special Staff Assistants:

(1) Ensure that all operators of antenna/transmitter systems comply with this instruction.

(2) Ensure that personnel operating antenna/transmitter systems are properly instructed in their use during HERO EMCON conditions.

(3) Notify the Explosive Safety Officer (ESO), the Frequency Manager, and the HERO Officer prior to installing and using new radiating electronic equipment.

(4) Promulgate supplementary instructions pertaining to their own equipment, personnel, and operating procedures as required for compliance with this instruction.

b. MCAS Weapons Officer: The Weapons Officer is the central point-of-contact (POC) for determination of compliance with the appropriate references as it relates to all forms of ordnance handled at this station. As such, he/she will provide the ESO, Frequency Manager, and HERO Officer with all ordnance facility (or handling location) changes.

(1) Ensure that all ordnance personnel are familiar with HERO restrictions applicable to ordnance operations.

(2) When issuing any ordnance (or ordnance component) to a user, advise the user of its HERO status during all aspects of its life cycle (i.e., transportation, storage, assembly, handling, and loading operations).

(3) Inform the HERO Officer upon receipt of ordnance items that are categorized as HERO SUSCEPTIBLE or HERO UNSAFE/UNRELIABLE ORDNANCE so the HERO issues can be mitigated to ensure both safety and reliability.

(4) Ensure that HERO UNSAFE/UNRELIABLE and HERO SUSCEPTIBLE ORDNANCE items are enclosed in sealed, all-metal containers during transport. (When transported in sealed, all-metal containers, such ordnance is considered HERO SAFE.) If HERO SUSCEPTIBLE ORDNANCE is transported outside a sealed, all-metal container, observe the HERO separation distances listed in enclosure (6) for stationary and portable and mobile antenna/transmitter systems. In the event of an ordnance accident, set the appropriate HERO Condition for HERO UNSAFE/UNRELIABLE ORDNANCE.

(5) Place HERO warning signs prohibiting RF transmissions at the entrance to magazine area and all ordnance handling or storage activities. Enclosure (7) illustrates a recommended HERO warning symbol.

c. MCAS S-6 Officer:

(1) The MCAS S-6 Officer will assume the duties of HERO Officer.

(2) Be responsible for a continuing program to ensure HERO safety at the station.

(3) Convene an annual conference of ordnance and radiation hazard (RADHAZ) personnel who are representative of each unit or organization to discuss and recommend changes to these instructions.

(4) The HERO Officer will be responsible for notifying the appropriate personnel [listed in enclosure (8)] of the setting of a HERO Condition. After normal hours, duties convey to the CDO.

(5) Monitor the supply of HERO warning labels and signs and order as necessary.

(6) Review RADHAZ requirements and request HERO surveys when required.

d. MCAS Explosive Safety Officer: The ESO is the central POC for determination of compliance with the appropriate references as it relates to all forms of ordnance safety at this station. As such, he/she will assist the Weapons Officer in tracking and monitoring all future ordnance facility (or handling location) changes.

(1) Act as a HERO liaison with the HERO Officer and Frequency Manager to track and monitor all future antenna/transmitter system and ordnance changes.

(2) Coordinate the HERO program.

(3) Account for all command and tenant information as presented in enclosures (2) and (6) concerning ordnance operations and antenna/transmitter systems present.

(4) Assist the HERO Officer and Frequency Manager in ensuring future antenna/transmitter system changes at the station are submitted for HERO review. This includes, but is not limited to, the following: Approve/disapprove (on recommendations from the Frequency Manager) all new or modified antenna/transmitter system installations and frequency. coordination at this station. Contact the Naval Ordnance Safety

and Security Activity (NOSSA), N84, for all questions concerning HERO.

e. MCAS Frequency Manager:

(1) The Frequency Manager shall be responsible for the analysis of planned alternations to the existing antenna/transmitter system configurations and shall advise the CO on the HERO EMCON impact before executing the plan.

(2) Ensure that all mobile and portable radios under the cognizance of this command are affixed with HERO warning labels to identify safe separation distances prior to issue.

(3) Inform the Weapons Officer, ESO, HERO Officer, and the Safety Department when stationary transmitters/antenna systems are relocated or new equipment is obtained. These changes should be submitted for HERO review in accordance with reference (c).

(4) Establish check-in procedures for owners of citizens band and other mobile radios and cellular telephones to familiarize operators with HERO.

(5) Approve/disapprove any request to operate amateur radio equipment at the station.

f. MCAS Operations Officer:

(1) When requested, set and secure HERO EMCON Conditions as requested.

(2) Ensure all aircraft are notified of applicable HERO Conditions.

(3) Maintain liaison with tenant commands to resolve any conflicts in setting HERO EMCON Conditions.

(4) Designate a member of the Operations Department as the Command RADHAZ Control Officer.

g. MCAS Safety Department: Shall act as a review authority to ensure compliance with applicable ordnance safety directives and HERO procedures as outlined herein.

h. MCAS Security Department: Shall be responsible for notifying station personnel and visitors who have mobile transmitters in their personal vehicles that transmission

onboard the station will be permitted only with the written permission of the CO.

i. MCAS Fire Department: In the event of an ordnance accident or incident, shall act as on-scene commander until such time as the situation has been resolved [i.e., Explosive Ordnance Disposal (EOD) responds and the item is rendered safe, or the item is determined safe to transport].

j. MCAS Facilities Management Officer: The Facilities Management Officer will ensure a request for the addition/relocation of emitter systems aboard MCAS Yuma must be submitted through Naval Facilities Engineering Command (NAVFACENGCOM) for fixed emitter installations or through NOSSA for mobile van emitter systems. NAVFAC form 11010/31 is used for submission and request.

k. MCAS ROICC: The Station ROICC office will notify contractors that operating radios aboard MCAS Yuma requires HERO officer approval.

l. MCAS Medical Officer: The Station Medical Officer will be familiar with those portions of ref. (a) Vol. 1, which are StaO 3440.2H pertinent to the medical requirements of Radio Frequency Radiation Hazard control.

m. Tenant commands and activities:

(1) Shall be responsible for notifying the ESO and HERO Officer of any operation involving HERO SUSCEPTIBLE ORDNANCE or HERO UNSAFE/UNRELIABLE ORDNANCE that would require the setting of a HERO Condition.

(2) Shall be responsible for ensuring HERO UNSAFE/UNRELIABLE ORDNANCE is completely enclosed in sealed, all-metal containers during storage and during transfer between designated safe areas.

9. Requirements: To ensure ordnance safety, precautions must be taken to limit EMEs in and around ordnance handling areas. Enclosure (1) contains standard HERO precautions and Chapter 5 of reference (b) provides HERO requirements during ordnance operations.

a. When ordnance is being assembled, handled, or transported within the confines of the station, emissions from various mobile and portable antenna/transmitter systems should be silenced or the HERO UNSAFE/UNRELIABLE and HERO SUSCEPTIBLE

ORDNANCE safe separation distances provided in enclosure (6) should be maintained.

b. HERO UNSAFE/UNRELIABLE or HERO SUSCEPTIBLE ORDNANCE cannot be moved, transported, or loaded except as specified by the Weapons Officer, ESO, and the HERO Officer. Enclosures (4) and (5) provide specific HERO EMCON guidance.

c. Other conditions necessitating deviations from the requirements outlined in reference (b) shall be reported to NOSSA, N84, in accordance with reference (b).

d. The CDO will be responsible for notifying the appropriate personnel [listed in enclosure (8)] of the setting of a HERO Condition after normal working hours. In addition, the CDO will receive reports that the ordered HERO Condition is set and report to the HERO Officer.

e. Officers and supervisors shall be responsible for notifying each operator of a government vehicle containing a mobile transmitter that the transmitter is not to be energized within the safe separation distances provided in enclosure (6).

f. Each civilian employee or military person having a radio transmitter installed in his/her personal vehicle is responsible for its registration with the Safety Department, in accordance with reference (b). (Note: Registration does not authorize use). One copy of the registration form shall be kept in the vehicle with the radio at all times while at the station; the second copy will remain on file at the Pass and Identification Office. Privately owned radios shall not be operated in any restricted area or in other parts of the station while in sight of a vehicle (train or truck) that exhibits an explosive placard.

g. Each mobile and portable transmitter shall be conspicuously marked (at the operator's location) with the appropriate distance taken from enclosure (6) and marked by a (RADHAZ) cautionary decal. Cautionary decals will be provided by the HERO Officer/Frequency Manager.

h. Commands, contractors, and their representatives will coordinate frequency assignment matters through the appropriate Department of the Navy Area Frequency Coordinator and station Frequency Manager.

10. Procedures

a. Implement the following procedures to determine the appropriate HERO EMCON to set:

(1) Identify the HERO status of ordnance item(s) involved in the operation (see enclosure (2)).

(2) For ordnance item(s) listed as HERO UNSAFE/UNRELIABLE or HERO SUSCEPTIBLE:

(a) Identify the HERO zone where the ordnance operation will occur (see enclosure (3)).

(b) Select the proper HERO Condition associated with the HERO zone and HERO classification [see enclosure (4)].

(c) Apply the appropriate HERO EMCON procedures (see enclosure (5)).

(3) For ordnance items(s) listed as HERO SAFE, set HERO CONDITION 0 (see enclosure (4)).

(4) Item(s) listed as "No HERO Req." requires no HERO EMCON.

(5) For ordnance item(s) not listed in enclosure (2), see reference (d).

b. The following general procedures apply for implementing HERO EMCON:

(1) The HERO Officer or CDO will be notified 24 hours prior to routine implementation of a HERO Condition by the facility's ordnance personnel. The commencement time and automatic expiration time will require a minimum of 30 minutes notice by the using activity.

(2) The HERO Officer will contact all activities impacted by HERO (e.g., stationary antenna/transmitter systems) unless specifically exempt in enclosure (6).

(3) In the event of an ordnance accident involving an ordnance carrier along the ordnance transportation route, the appropriate HERO UNSAFE/UNRELIABLE ORDNANCE Condition [defined in enclosures (4) and (5)] will be set by the ESO, HERO Officer, or CDO and will remain in effect until EOD personnel have

completed a Render Safe Procedure (RSP) or determined that EMCON is no longer required (i.e., the ordnance is safe to transport).

(4) The ESO, HERO Officer, or CDO will notify all ordnance accident response units to maintain a minimum separation distance of 150 feet from the accident site when 3 VHF mobile radios are in use, and 50 feet when 3 portable radios are in use.

c. EMERGENCY CONDITION:

(1) An EMERGENCY CONDITION exists when ordnance that contains EIDs with unknown HERO characteristics, or ordnance known to be HERO UNSAFE/UNRELIABLE, HERO SUSCEPTIBLE, or HERO SAFE ORDNANCE, has been involved in a mishap that causes the condition of the ordnance to be in question.

(2) In the event of an EMERGENCY CONDITION, suspect ordnance will be classified as HERO UNSAFE/UNRELIABLE ORDNANCE and the appropriate HERO Condition for the affected zone will be set in accordance with enclosures (4) and (5).

(3) The HERO Officer or CDO will notify the appropriate personnel of the prescribed HERO Condition.

(4) The ESO in conjunction with EOD personnel will determine when the suspect ordnance is HERO SAFE and control the power-up of antenna/transmitter systems.

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GENERAL HERO REQUIREMENTS

1. The following requirements apply to all ordnance operations involving the presence, handling, and loading/unloading of ordnance unless otherwise specified in NAVSEA OP 3565/ NAVAIR 16-1-529.

a. Ordnance evolutions must be planned so that there is a minimum of ordnance exposure to the EMEs.

b. Avoid touching any exposed firing contact, wiring, or other exposed circuitry with any part of the body or with any metallic object.

c. Ensure all open electrical connectors on the ordnance are covered with non-shorting caps.

d. Ordnance will not be assembled/disassembled in an EME.

e. Igniters, primers, detonators, and other items containing EIDs will not be stowed in magazines that have flexible waveguides routed through them.

2. Transport and store HERO UNSAFE/UNRELIABLE ORDNANCE in sealed, all-metal containers.

3. When transporting HERO SUSCEPTIBLE ORDNANCE, comply with the ordnance handling requirements listed in Chapter 7 of reference (b) and reference (a).

4. Establish a HERO liaison at each tenant activity to document and monitor future emitter and ordnance operation changes within the activity. This POC should relate all such changes to station Weapons Officer.

5. The station Weapons Officer should coordinate the HERO program and account for all station and tenant command information concerning ordnance inventory/operations and antenna/transmitter systems present. Additionally, the station Weapons Officer should ensure future transmitter and antenna changes at this facility are submitted for HERO review in accordance with reference (c).

6. Post and maintain HERO warning signs at all entrance gates to ordnance areas.

7. Ensure ships berthed at the station silence all shipboard emitters whenever ordnance operations occur within the HERO separation distances listed in Appendix A of their respective report.

8. Observe the HERO separation distances listed in enclosure (6) for cellular telephones and mobile and portable radios, and affix HERO warning labels stating separation distances for HERO UNSAFE/UNRELIABLE and HERO SUSCEPTIBLE ORDNANCE to device.

9. Maintain control over the number, type, and placement of temporary emitter systems installed at the station. Ensure the calculated HERO safe separation distances are maintained between the antennas and ordnance operations. [See Chapter 2, paragraph 2-2.1 of reference (b).]

10. Ensure that operators of privately owned amateur and citizens band radios and cellular telephones are familiar with HERO and safe separation distance requirements for their particular radio or telephone.

11. Ensure that radio systems installed in ordnance handling vehicles maintain the minimum 10-foot antenna-to-ordnance separation distance required for HERO SAFE ORDNANCE. [See Chapter 7, paragraph 7-3.2 of reference (b).]

12. Ensure that operators, handlers, and riggers transferring ordnance maintain a minimum safe separation distance of 33 feet (10 meters) from HERO UNSAFE/UNRELIABLE ORDNANCE when using single portable radios operating in the 136-174 MHz frequency range and at a maximum output power of 2 watts. For the use of other single portable radios, refer to enclosure (6) or Chapter 2, paragraph 2-2.1 of reference (b) for applicable safe separation distances.

13. Prior to conducting geophysical surveys for unexploded ordnance (UXO) using equipment with electromagnetic transmitting detection/location (ground-penetrating radar, ground conductivity meters, etc.) systems, contact NOSSA, N84, for HERO safety guidance.

14. Any changes to the station's antenna/transmitter system or ordnance configurations are subject to the requirements cited in reference (c). This applies even if an activity moves from one site to another within the confines of the facility.

15. For transmitters and ordnance not specifically addressed in this report, see reference (b) for HERO guidance.

16. Cellular telephones and personal pagers should not be operated within ordnance facilities. It is recommended that passive pagers be used to contact personnel in ordnance facilities.

17. Keyless entry systems should not be radiated within ordnance facilities. It is recommended that these systems not be allowed into ordnance facility work areas.

18. If HERO UNSAFE/UNRELIABLE or HERO SUSCEPTIBLE ORDNANCE is exposed on the flight line or in the hangars, silence or apply the HERO separation distances listed in enclosure (6) for transmitters on all aircraft. Exceptions are very high frequency (VHF) and ultra high frequency (UHF) transmitters operating at less than 20 watts output power if HERO UNSAFE/UNRELIABLE ORDNANCE is exposed or less than 40 watts output power if HERO SUSCEPTIBLE ORDNANCE is exposed. All transmitters may operate into dummy loads.

19. In the event of an ordnance accident, ensure that response units maintain a minimum separation distance of 150 feet from the accident site when 3 or more VHF/UHF mobile radios are in use, and 50 feet when 3 or more portable VHF radios are in use. For single VHF radio use, see the applicable separation distances listed in enclosure (6).

ORDNANCE

NOMENCLATURE

A	Bombs, Components, and Countermeasures
AAC	Antiaircraft, common
A/C, ACFT	Aircraft
AC	Aircraft, common
AD, ADF	Auxiliary detonating fuse
AGM	Air-surface attack missile
AIM	Air intercept-aerial missile
AN/ALE	Army/Navy - air-launched, expendable
ANTI-PERS, APERS	Antipersonnel
APDS	Armor piercing, discarding
APERS	Antipersonnel
API	Armor-Piercing Incendiary
APT	Armor-Piercing Tracer
ASSY, AY	Assembly
ATM	Air Training Missile
AUR	All-Up Round
AV	Attack fighter aircraft
B	Military Pyrotechnics
BBU	Explosive item unit
BCU	Battery Cooling Unit
BDU	Simulated bomb
BLP	Blind-loaded and plugged
BSU	Munitions stabilizing and retarding device unit
C	Military Chemicals
CAL	Caliber
CBU	Cluster Bomb Unit
CCG	Computer Control Group
CCU	Actuator cartridge
CH	Channel
CHG	Charge
Class	Classification
CNTR	Container
CNU	Shipping and storage container
C/O	Consist(s) of
CO.	Company
COMB	Combination
COMP	Composition
CP	Case-percussion
CS	Tear gas
CS-1	Tear gas (super)
CTG	Cartridge

NOMENCLATURE (CONT.)

CVT	Controlled variable time Fuse
D	Underwater sound signals, sonobuoys, and components
DBL	Double
DEA	Drug Enforcement Agency
DEMO	Demolition
DET	Detonator
DICASS	Direction command active sonobuoy system
DoDIC	Department of Defense Identification Code
DP	Dual-purpose
DWG	Drawing
E	Demolition explosives and materials
EA	Each
EOD	Explosive Ordnance Disposal
ERDL	Extended Range Data Link
F/	For
FCDC	Flexible, confined detonating cord
FL	Flashless
FLU	Flotation unit
FMLY	Formerly
FMU	Fuse Munition Unit
FRAG	Fragmentation
FREQ	Frequency
FT	Feet
FWD	Forward
FZ	Fuse
G	Underwater Mines and Components
GA	Gauge
GAU	Gun Aircraft Unit
GN, GR	Grain
GP	General-purpose
GRAN	Granular
GW	Guided Weapon
H	Cartridges and Cartridge-Actuated Devices
HARM	High-Speed Anti-Radiation Missile
HC	High Capacity
HE	High Explosive
HEDP	High Explosive Detonating Point
HEI	High Explosive, Incendiary
HERO	Hazards of Electromagnetic Radiation to Ordnance
HOW	Howitzer
HR	Hour
I, INC	Incendiary
IGN, INGR	Ignition, Igniter

NOMENCLATURE (CONT.)

ILLUM	Illuminating
IN	Inch
IR	Infrared
J	Aircraft rockets and components
JAU	Initiator, cartridge-actuated
L	Marine Corps ammunition
LAU	Aircraft-installed launcher
LB	Pound
LDD	Loaded
M	TOMAHAWK Cruise Missile and Components
MAU	Miscellaneous Armament Unit
MBEU	Multiple Bomb Ejection Unit
MDP	Miniature Double Plug
MECH	Mechanical
MG	Machine Gun
MIN	Minute
MK	Mark
MM	Millimeter
MOD	Model/Modification
MSL	Missile
MTL, METI	Metal
MTR	Motor
MXU	Miscellaneous units
NALC	Navy Ammunition Logistic Code
NATO	North Atlantic Treaty Organization
NAVAIR	Naval Air Systems Command
NAVSEA	Naval Sea Systems Command
NO	Number
NON-ELECT	Non-electric
NON FRAG	Non-fragmentation
O	Miscellaneous Ammunition Components and Containers
OA	Operational Assembly
OP	Ordnance Publication
OZ	Ounce
P	Small Arms and landing-force ammunition
PD, PDF	Point-detonating Fuse
PGU	Programmer unit
PIBD	Point-initiating, base detonating
P/N	Part Number
PRAC	Practice
PROJ	Projectile
PROP	Propellant
Q	Gun ammunition, 20 mm to 4-inch

NOMENCLATURE (CONT.)

R	Gun ammunition, over 4-inch
RBOC	Rapid Blooming Offboard Chaff
RD	Round
REF	Reference
REQ.	Requirement
RF	Rapid-Fire
RKT	Rocket
RR	Radar Reflector
S	Torpedoes and components
SEC	Second
SF	Slow-Fire
SMAW	Shoulder-Mounted Antitank Weapon
SMDC	Shielded, Mild Detonating Cord
SMK	Smoke
SQ	Super-Quick
STL	Steel
SUS	Signal Underwater Sound
SUSP	Suspension
SUU	Suspension and release unit
SWU	Switch unit
T	Surface-launched Guided Missiles and Components
T, TR	Tracer
TACT	Tactical
TNT	Trinitrotoluene
TOW	Tube-launched, optically tracked, wire-guided
TP	Target Practice
TRNR	Trainer
UK	United Kingdom
V	Air-launched guided missiles and components
VT	Variable time Fuse
W/	With
WAFFAR	Wrap-Around, Folding-Fin Aircraft Rocket
W/O	Without
WP	White Phosphorus
WTU	Warhead Training Unit
WX	Weather
WX PROOF	Weatherproof
Y	Countermeasures and decoys

DODIC	Nomenclature	Platform	HERO Class
1W14 (NAVY)	FIN ASSEMBLY, BSU-87/B, FOR SIDEARM AGM-122/A		NO REQUIREMENT
1W18 (NAVY)	EXPLOSIVE SEPARATOR	CH-53E	SUSCEPTIBLE
1W53 (NAVY)	CONTAINER, S-S, CNU-317/E, F/(1) MAU-169A/B		NO REQUIREMENT
1W73 (NAVY)	FIN ASSEMBLY, BOMB, BSU 85/B RETARDER, INFLATABLE, F/MK83 BOMB		NO REQUIREMENT
2W56 (NAVY)	CONTAINER, S-S, CNU-203/E, F/4 SKIPPER CONTROL SECTIONS		NO REQUIREMENT
2W85 (NAVY)	WINGS AND FINS, SET OF 4 EACH F/CATM-7F-3		NO REQUIREMENT
3W78 (NAVY)	DECOY, AIR LAUNCHED, TACT, A/B37U-1(V)2, RF VEHICLE, W/WINGS AND FINS AND LANYARD BRIDLE	F/A-18	SAFE
4W79 (NAVY)	CONTAINER, S-S, CNU-434/E, F/4 SIDEARM (AGM-122/A) AUR WITH WINGS AND FINS		NO REQUIREMENT
5W50 (NAVY)	CONTAINER, S-S, F/CNU-419/E, F/BSU-85/B AIR INFLATABLE RETARDER		NO REQUIREMENT
6W01 (NAVY)	ARMING WIRE COMPOSITE, F/MK 83 G.P. BOMBS, C/O MK 9-0 ARMING WIRE ASSY, 1 SAFETY CLIP, 1 RING AND SWIVEL AND 1 FERRULE		NO REQUIREMENT
7W79 (NAVY)	FLARE, AIRCRAFT, PARACHUTE, TIMER GUARD ASSEMBLY, F/FLARE LUU-2B/B		NO REQUIREMENT
A011 (NAVY)	CTG., 12 GA SHOTGUN, NO.00 BUCKSHOT		NO REQUIREMENT
A017 (NAVY)	CTG, 12 GA SHOTGUN, NO. 9 SHOT	PERSONNEL-BORNE	NO REQUIREMENT
A023 (NAVY)	CTG., 12GA SHOTGUN, 1 OZ SLUG LOADED, W/PLASTIC CASE		NO REQUIREMENT
A024 (NAVY)	CARTRIDGE, 12 GA SHOTGUN LOCKBUSTER, MOD LBC .05 LBS POWDERED METAL FILLER		NO REQUIREMENT
A059 (NAVY)	CTG., 5.56 MM, BALL, M855, CLIPPED, (ALL M855 CTGS IDENTIFIED BY GREEN BULLET TIP)		NO REQUIREMENT
A060 (NAVY)	DUMMY CTG., 5.56MM, M199, SINGLE RD		NO REQUIREMENT
A063 (NAVY)	CTG., 5.56 MM, TRACER, M856, (ALL M856 CTGS ARE IDENTIFIED BY AN ORANGE TIP)		NO REQUIREMENT
A064 (NAVY)	CARTRIDGE, 5.56 MILLIMETER, LINKED W/M27 LINKS, 4-BALL M855 TO 1 TRACER M856		NO REQUIREMENT
A075 (NAVY)	CTG., 5.56 MM, BLANK, LINKED, W/M27 LINKS		NO REQUIREMENT
A080 (NAVY)	CTG., 5.56MM, BLANK, XM200, SINGLE RD		NO REQUIREMENT
A080 (NAVY)	CTG., 5.56MM, BLANK, XM200, SINGLE RD	TESTED APPLICATION	NO REQUIREMENT
A086 (NAVY)	CARTRIDGE, CAL .22, BALL, LONG RIFLE		NO REQUIREMENT
A111 (NAVY)	CTG., 7.62MM, BLANK M82, LINKED		NO REQUIREMENT
A130 (NAVY)	CTG., 7.62MM, BALL M59 OR M80, F/RIFLE M14, 5 RD CLIP		NO REQUIREMENT

DODIC	Nomenclature	Platform	HERO Class
A131 (NAVY)	CTG., 7.62MM, BALL M59 OR M80 AND TRACER M62 LINKED W/M13 LINK, 4 TO 1 RATIO, F/M60 AND M73 MG		NO REQUIREMENT
A131 (NAVY)	CTG., 7.62MM, 4 BALL M80 AND 1 TRACER M62 LINKED		NO REQUIREMENT
A136 (NAVY)	CARTRIDGE, 7.62 MM, BALL, M118 OR T275E4, NATO MATCH GRADE, SINGLE RD		NO REQUIREMENT
A143 (NAVY)	CARTRIDGE, 7.62 MM, BALL M80 LINKED F/M60 AND M73 MG		NO REQUIREMENT
A143 (NAVY)	CTG., 7.62MM, BALL M80 LINKED, F/M60 AND M73 MG (NAVY)		NO REQUIREMENT
A168 (NAVY)	CTG., 7.62 MM, BALL M80, F/MK 44 MINI-GUN (NAVY)		NO REQUIREMENT
A168 (NAVY)	CTG., 7.62 MM, BALL M80 TRACER M62, F/MG MINNI M134		NO REQUIREMENT
A171 (NAVY)	CTG., 7.62MM, BALL M852, SINGLE ROUND, MATCH GRADE		NO REQUIREMENT
A257 (NAVY)	CTG., 7.62 MM, BALL M80E1, TRACER M276 LINKED W/M13 BELT		NO REQUIREMENT
A260 (NAVY)	CTG., 9MM, SUBSONIC, JACKETED HOLLOW POINT		NO REQUIREMENT
A358 (NAVY)	CTG., 9MM, PRACTICE M939, W/TRACER, F/AT4		NO REQUIREMENT
A359 (NAVY)	DUMMY CTG., 9MM, M917		NO REQUIREMENT
A475 (NAVY)	CARTRIDGE, CAL .45, BALL, M1911, GRADE 1		NO REQUIREMENT
A482 (NAVY)	CTG., CAL .45 MATCH, WADCUTTER, 185 GRAIN		NO REQUIREMENT
A483 (NAVY)	CTG., CAL.45, BALL, M1911, MATCH GRADE		NO REQUIREMENT
A555 (NAVY)	CARTRIDGE, CAL .50, LINKED, BALL M33, LINK M2 OR M9, GRADE MG (USMC)		NO REQUIREMENT
A557 (NAVY)	CTG., CAL.50, LINKED, BALL AND TRACER		NO REQUIREMENT
A560 (NAVY)	CTG., CAL.50, DUMMY, SINGLE RD (NAVY)		NO REQUIREMENT
A560 (NAVY)	CTG., CAL.50, DUMMY, SINGLE RD		NO REQUIREMENT
A576 (NAVY)	CARTRIDGE, CAL .50, LINKED, LINK M2, API M8/API-T M20, GRADE AC		NO REQUIREMENT
A598 (NAVY)	CTG., CAL.50, BLANK M1A1, LINKED W/M9 LINKS		NO REQUIREMENT
A606 (NAVY)	CARTRIDGE, CAL .50 MK 211 MOD 0, API, SINGLE ROUNDS FOR SNIPER RIFLE		NO REQUIREMENT
A651 (NAVY)	CARTRIDGE, 20 MM A/C, TP-T M220, F/GUNS M39, M61 AND M197	ALL FIXED WING	SUSCEPTIBLE
A651 (NAVY)	CARTRIDGE, 20 MM A/C, TP-T M220, F/GUNS M39, M61 AND M197		SUSCEPTIBLE
A652 (NAVY)	CARTRIDGE, 20 MM TARGET PRACTICE-TRACER M220 (LINK PACK)	ALL FIXED WING	SUSCEPTIBLE
A652 (NAVY)	CARTRIDGE, 20 MM TARGET PRACTICE-TRACER M220 (LINK PACK)		SUSCEPTIBLE

DODIC	Nomenclature	Platform	HERO Class
A658 (NAVY)	CTG., 20MM, LINKED, 7 HEI, M56A2, 1 HEI-T, M242, F/GUN M61, M197	ALL FIXED WING	SUSCEPTIBLE
A658 (NAVY)	CTG., 20MM, LINKED, 7 HEI, M56A2, 1 HEI-T, M242, F/GUN M61, M197		SUSCEPTIBLE
A658 (NAVY)	CTG., 20 MM, LINKED 7 HEI M56A3, 1 HEI-T XM242 FOR GUN M197		SUSCEPTIBLE
A659 (NAVY)	CARTRIDGE,20 MILLIMETER HEI, M56A4	ALL FIXED WING	SUSCEPTIBLE
A659 (NAVY)	CTG., 20MM, A/C HEI-T, M242, F/GUN M39, M61, M197	ALL FIXED WING	SUSCEPTIBLE
A659 (NAVY)	CTG., 20MM, A/C HEI-T, M242, F/GUN M39, M61, M197		SUSCEPTIBLE
A659 (NAVY)	CARTRIDGE,20 MILLIMETER HEI, M56A4		SUSCEPTIBLE
A678 (NAVY)	CTG., 20MM, A/C, TP, PGU-27/B, SINGLE ROUND, F/GUN M197 AND M61	ALL PLATFORMS	SUSCEPTIBLE
A679 (NAVY)	CTG., 20MM, A/C, TP-T, PGU-30/B, SINGLE ROUND,F/GUN M61 AND M197	AH-1Z	SUSCEPTIBLE
A679 (NAVY)	CTG., 20MM, A/C, TP-T, PGU-30/B, SINGLE ROUND,F/GUN M61 AND M197	ALL FIXED WING	SUSCEPTIBLE
A679 (NAVY)	CTG., 20MM, A/C, TP-T, PGU-30/B, SINGLE ROUND,F/GUN M61 AND M197		SUSCEPTIBLE
A890 (NAVY)	CARTRIDGE, 20 MM A/C, HEI, M56A3, W/FUZE M505A3, F/GUN M61, M197	ALL FIXED WING	SUSCEPTIBLE
A890 (NAVY)	CARTRIDGE, 20 MM A/C, HEI, M56A3, W/FUZE M505A3, F/GUN M61, M197		SUSCEPTIBLE
A940 (ARMY)	CARTRIDGE, 25 MM TPDS-T, M910 FOR M242 MACHINE GUN. 1 30 ROUND BELT PER PA125 METAL CONTAINER. NSN 1305-01-286-5185, NSN 0T 1305-01-426-4359		NO REQUIREMENT
A978 (NAVY)	CTG., 25MM, PRACTICE PGU-23/U W/O TRACER, F/GUN GAU-12 SINGLE ROUND		NO REQUIREMENT
AA06 (NAVY)	CTG., CAL.50 W/M9 LINKS, (1) API MK 211 MOD 0, (1) APM2, (1) API MK 211 MOD 0, (1) AP M2, AND (1) API-T M20 CART, F/M2		NO REQUIREMENT
AA10 (NAVY)	CTG., 25MM, TPF-T, PGU-33/U		NO REQUIREMENT
AA12 (NAVY)	CARTRIDGE, 9MM FX MARKING, RED		NO REQUIREMENT
AA21 (NAVY)	CTG., 9 MM, FX MARKING, BLUE		NO REQUIREMENT
AA22 (NAVY)	CTG., 20MM, SAPHEI, PGU-28A/B, PKGD 250 RDS/M548 (BULK PACK) CNTR, F/AUTO CANNON M61A1, M61A2, M197 AND XM301	ALL FIXED WING	SUSCEPTIBLE
AA22 (NAVY)	CTG., 20MM, SAPHEI, PGU-28A/B, PKGD 250 RDS/M548 (BULK PACK) CNTR, F/AUTO CANNON M61A1, M61A2, M197 AND XM301		SUSCEPTIBLE
AA24 (NAVY)	CARTRIDGE, 20MM, TARGET PRACTICE, PGU-27A/B, PKGD 250 RDS/M548 (BULK PACK) CONT F/AUTO CANNON M61A1, M61A2, M197 AND XM301		SUSCEPTIBLE

DODIC	Nomenclature	Platform	HERO Class
AA24 (NAVY)	CARTRIDGE, 20MM, TARGET PRACTICE, PGU-27A/B, PKGD 250 RDS/M548 (BULK PACK) CONT F/AUTO CANNON M61A1, M61A2, M197 AND XM301		SUSCEPTIBLE
AA27 (NAVY)	CART., 20 MM, 4 TGT PRAC, PGU-27A/B & 1 TGT PRAC-TRAC, PGU-30A/B, PKGD 100 RDS/M548 (LINK PACK)CNTR F/AUTO CAN M61A1, M61A2, M197	ALL FIXED WING	SUSCEPTIBLE
AA27 (NAVY)	CART., 20 MM, 4 TGT PRAC, PGU-27A/B & 1 TGT PRAC-TRAC, PGU-30A/B, PKGD 100 RDS/M548 (LINK PACK)CNTR F/AUTO CAN M61A1, M61A2, M197		SUSCEPTIBLE
AA29 (NAVY)	CARTRIDGE, 12 GAUGE, BEAN BAG NON-LETHAL		NO REQUIREMENT
AA31 (NAVY)	CARTRIDGE 12 GAUGE RUBBER, FIN STABALIZED NON-LETHAL.		NO REQUIREMENT
AA33 (NAVY)	CTG, 5.56 MM BALL, M855, PKGD 10 ROUNDS/PER CLIP, 3 CLIPS (30 RDS) PER FIBERBOARD CARTON		NO REQUIREMENT
AA40 (NAVY)	CARTRIDGE, 5.56 MM JACKETED FRANGIBLE ROUND		NO REQUIREMENT
AA50 (NAVY)	CART. CAL., .50 LNKD		NO REQUIREMENT
AA55 (NAVY)	CARTRIDGE, 12 GAUGE, MK 242 MOD 0, INERT		NO REQUIREMENT
AA62 (NAVY)	CARTRIDGE, 12 GAUGE, MK 274 MOD 0. USED IN IMPROVISED EXPLOSIVE DEVICE (IED) STANDOFF DISRUPTER.		NO REQUIREMENT
AA63 (NAVY)	CARTRIDGE, 12 GAUGE, MK 275 MOD 0, USED IN IMPROVISED EXPLOSIVE DEVICE (IED) STANDOFF DISRUPTER.		NO REQUIREMENT
AA64 (NAVY)	CARTRIDGE, 12 GAUGE MK 276 MOD 0, USED IN IMPROVISED EXPLOSIVE DEVICE (IED) STANDOFF DISRUPTER		NO REQUIREMENT
AA66 (NAVY)	CARTRIDGE, 12-GAUGE, MK 278 MOD 0		NO REQUIREMENT
AA67 (NAVY)	CTG/5.56 MM SPECIAL MATCH, MOLYBDENUM COATED ON PROJECTILE		NO REQUIREMENT
AA67 (NAVY)	CTG/5.56MM SPECIAL MATCH, MOLYBDENUM COATED ON PROJECTILE	PERSONNEL-BORNE	NO REQUIREMENT
AX02 (NAVY)	BOX, AMMUNITION, METAL, M2A1		NO REQUIREMENT
AX06 (NAVY)	BOX, AMMUNITION, METAL M19A1		NO REQUIREMENT
AX11 (NAVY)	CTG., 9 MM (SMAW), FOR SPOTTING RIFLE, MK 217 MOD 0		NO REQUIREMENT
AX12 (NAVY)	CONTAINER, AMMUNITION, METAL, CNU-405/E, S-S, F/25MM		NO REQUIREMENT
AX14 (NAVY)	PRIMER, PERCUSSION, 12 GAUGE, SHOTGUN, BATTERY CUP TYPE W209		NO REQUIREMENT
B472 (NAVY)	CTG., 40 MM, DUMMY, M385		NO REQUIREMENT

DODIC	Nomenclature	Platform	HERO Class
B505 (NAVY)	CTG., 40MM, RED STAR, PARACHUTE M662, F/LAUNCHER M79/M203		NO REQUIREMENT
B506 (NAVY)	CTG, 40MM, RED SMK GROUND MARKERW/M733 IMPACT FZ, F/LAUNCHER M79 AND M203		NO REQUIREMENT
B508 (NAVY)	CTG, 40MM, GRN SMK GROUND MARKERW/M733 IMPACT FZ, F/LAUNCHER M79 AND M203		NO REQUIREMENT
B509 (NAVY)	CTG, 40MM, YELLOW SMK GROUND MARKER W/M733 IMPACT FZ, F/LAUNCHER M79 AND M203		NO REQUIREMENT
B519 (NAVY)	CTG., 40 MM, PRACTICE, M781/XM78, SINGLE ROUND, FOR M79/ M203 LAUNCHER		NO REQUIREMENT
B535 (NAVY)	CTG., 40 MM, FIXED, WHITE STAR, PARACHUTE		NO REQUIREMENT
B542 (NAVY)	CTG., 40 MM, M430, HE DP COMP A5 LDD, LINKED W/M16A2 LINKS, F/MK 19 MOD 3 MACHINE GUN	PERSONNEL-BORNE	NO REQUIREMENT
B542 (NAVY)	CTG., 40 MM, M430, HE DP COMP A5 LDD, LINKED W/M16AL LINKS	PERSONNEL-BORNE	NO REQUIREMENT
B546 (NAVY)	CTG., 40 MM, FIXED, HEDP, XM43/M433E1 W/FUZE PIBD M550/XM550E1		NO REQUIREMENT
B567 (NAVY)	CTG., 40MM, W/FZ PDDT, XM581E1, MOD 4, F/GERNADE LAUNCHER M79/M203		NO REQUIREMENT
B576 (NAVY)	CTG., 40 MM, PRACTICE, LINKED		NO REQUIREMENT
B584 (NAVY)	CTG., 40 MM, TP, LINKED		NO REQUIREMENT
B642 (NAVY)	CTG., 60 MM, H.E. COMP B, M720 W/MULTIOPTION FUZE M734 (0T COG)	PERSONNEL-BORNE	SAFE
B646 (NAVY)	CARTRIDGE, 60 MM, SMOKE, WP, XM722, W/FZ XM745 PD, PROP CHG, IGN CHG AND FIN ASSY		NO REQUIREMENT
B647 (NAVY)	CTG., 60MM, ILLUM, W/FZ MTSQ M776, FIN ASSY, F/MORTAR M224		NO REQUIREMENT
B647 (NAVY)	CTG., 60MM, ILLUM, W/FZ MTSQ M776, FIN ASSY, F/MORTAR M224	PERSONNEL-BORNE	NO REQUIREMENT
BA07 (NAVY)	CARTRIDGE, 40MM, FOAM RUBBER BATON NONLETHAL		NO REQUIREMENT
BA08 (NAVY)	CARTRIDGE, 40MM RUBBER BALL NON-LETHAL		NO REQUIREMENT
BA12 (NAVY)	CARTRIDGE, 40MM PRACTICE, XM1023 LINKED 32 ROUNDS PER PA120 METAL CONTAINER.		NO REQUIREMENT
BA21 (NAVY)	CTG., 40 MM PRACTICE, DAY/NIGHT MARKING MK 281 MOD 1		NO REQUIREMENT
BWCP (NAVY)	CONTAINER, S-S, CNU-571/E, USED FOR SHIPPING/STORAGE OF 3 LASER GUIDED TRAINING ROUNDS		NO REQUIREMENT
BWDF (NAVY)	GUIDED MISSILE, AMRAAM, CATM-120/B TRAINING, W/WINGS & FINS, PKG. 4 PER CNU-415B/E CNTR.		NO REQUIREMENT
BWDM (NAVY)	CONTAINER, S-S, F/(1) MK 83 AIRFOIL GROUP, MXU-667/B		NO REQUIREMENT
BWGF (NAVY)	SENSOR, PROXIMITY, DSU-33B/B PKG. (2) PER M548 S-S CNTR.	F/A-18C/D	SAFE
BWGF (NAVY)	SENSOR, PROXIMITY, DSU-33B/B PKG. (2) PER M548 S-S CNTR.	F/A-18E/F	SAFE

DODIC	Nomenclature	Platform	HERO Class
BWGF (NAVY)	SENSOR, PROXIMITY, DSU-33B/B PKG. (2) PER M548 S-S CNTR.		SUSCEPTIBLE
BWHC (NAVY)	ACCESSORIES FOR FMU-139 FUZE		NO REQUIREMENT
BWIA (NAVY)	LASER GUIDED TRAINING ROUND INERT, BDU-59A(D-2)/B		NO REQUIREMENT
BWJG (NAVY)	BDU-59B/B LASER GUIDED TRAINING ROUND	AV-8B	SAFE
BWJG (NAVY)	BDU-59B/B LASER GUIDED TRAINING ROUND	F/A-18E/F	SAFE
BY30 (NAVY)	SENSOR, PROXIMITY DSU-33B/B		SUSCEPTIBLE
BY30 (NAVY)	SENSOR, PROXIMITY DSU-33B/B	F/A-18C/D	SAFE
BY30 (NAVY)	SENSOR, PROXIMITY DSU-33B/B	F/A-18E/F	SAFE
C276 (NAVY)	CTG., 81MM, SMOKE, WP, M375 SERIES	PERSONNEL-BORNE	NO REQUIREMENT
C868 (NAVY)	CARTRIDGE, 81 MM, HE COMPOSITION B, M821 W/FUZE MULTI-OPTION M734	LAV-M	SAFE
C868 (NAVY)	CARTRIDGE, 81 MM, HE COMPOSITION B, M821A1 W/FUZE MULTI-OPTION M734	PERSONNEL-BORNE	SAFE
C868 (NAVY)	CARTRIDGE, 81 MM, HE COMPOSITION B, M821A2 W/FUZE MULTI-OPTION M734A1	PERSONNEL-BORNE	SAFE
C868 (NAVY)	CARTRIDGE, 81 MM, HE COMPOSITION B, M821 W/FUZE MULTI-OPTION M734	PERSONNEL-BORNE	SAFE
C869 (NAVY)	CTG., 81MM, HE, COMP B M889, W/FUZE PD M935		NO REQUIREMENT
C871 (NAVY)	CTG., 81MM, ILLUM, M853 SERIES, W/FZ TIME M768 OR FZ MTSQ M772		NO REQUIREMENT
C875 (NAVY)	CTG., 81MM, PRACTICE M879, W/FUZE PD M751, WHD INERT PROP CHG M220		NO REQUIREMENT
C875 (NAVY)	CTG., 81MM, PRACTICE M879, W/FUZE PD M751, WHD INERT PROP CHG M220	PERSONNEL-BORNE	NO REQUIREMENT
C995 (NAVY)	LAUNCHER AND CARTRIDGE, 84 MM, M136 (AT4)	PERSONNEL-BORNE	SAFE
CWCK (NAVY)	CHAFF, COUNTERMEASURES, RR184/AL, TACTICAL		NO REQUIREMENT
CWCM (NAVY)	CHAFF, COUNTERMEASURES, RR-189/AL TRAINING		NO REQUIREMENT
CWLJ (NAVY)	GUIDED MISSILE LGHTWGHT TRAINING LASER LTGM-65E	TO BE SPECIFIED	NO REQUIREMENT
CX77 (NAVY)	BOX, AMMUNITION, MK2 MOD 0		NO REQUIREMENT
D505 (NAVY)	PROJECTILE, 155MM, ILLUM, M485 SERIES, W/O FZ, F/HOWITZER M1, M1A1, M45 AND CANNON M126		NO REQUIREMENT
D528 (NAVY)	PROJECTILE, 155MM, WP, SMOKE, SCREENING, M825A1 W/O FUZE	ARTILLERY SYSTEMS	NO REQUIREMENT
D528 (NAVY)	PROJECTILE, 155MM, WP, SMOKE, SCREENING, M825		NO REQUIREMENT

DODIC	Nomenclature	Platform	HERO Class
D529 (NAVY)	PROJECTILE, 155MM HE, M795 W/ SUPPLEMENTARY CHARGE (USMC)	155MM ARTILLERY SYSTEM	NO REQUIREMENT
D529 (NAVY)	PROJECTILE, 155MM HE, M795 W/ SUPPLEMENTARY CHARGE (USMC)		NO REQUIREMENT
D529 (NAVY)	PROJECTILE, 155MM HE, M795 W/ SUPPLEMENTARY CHARGE (USMC)		NO REQUIREMENT
D541 (NAVY)	CHARGE, PROPELLING, 155MM WHITE BAG		NO REQUIREMENT
D544 (NAVY)	PROJECTILE, 155MM, HE, M107B2, W/ SUPPL CHG.		NO REQUIREMENT
D552 (NAVY)	REDUCER, FLASH M2 F/155 MM PROP CHG	TO BE SPECIFIED	NO REQUIREMENT
DA13 (NAVY)	CHARGE, PROPELLING M232A1 FOR 155 MM HOWITZER	155MM ARTILLERY SYSTEM	NO REQUIREMENT
DWBS (NAVY)	CHARGE, DIVERSIONARY, MK141 MOD 0 (USMC)	PERSONNEL-BORNE	NO REQUIREMENT
DWBS (NAVY)	CHARGE, DIVERSIONARY, MK141 MOD 0	PERSONNEL-BORNE	NO REQUIREMENT
DWCB (NAVY)	CHAFF, COUNTERMEASURES, RR-144A/AL(TRAINING)		NO REQUIREMENT
DWCF (NAVY)	CHAFF, COUNTERMEASURES, RR-129A/AL		NO REQUIREMENT
DWCI (NAVY)	FLARE, A/C, DECOY, MJU-49/B		NO REQUIREMENT
E067 (NAVY)	COMPUTER CONTROL GROUP, MAU-169A/B USED W/GBU-10, 12, 16, AND17 LASER GUIDED BOMBS	TESTED APPLICATION	SUSCEPTIBLE
E167 (NAVY)	BOMB, FIRE, MK 77 MOD 5 500 LB SIZE, DRY FILLED		NO REQUIREMENT
E509 (NAVY)	BOMB, GP, MK 83 MOD 4, 1000 LB, W/CABLE ASSY M73 OR T15, W/SUSP LUG		NO REQUIREMENT
E510 (NAVY)	BOMB, GP, MK 83 MOD 5, 1000 LB, W/CABLE ASSY M73 OR T15, W/SUSP LUGS, T.P.		NO REQUIREMENT
E510 (NAVY)	BOMB, GP, MK 83 MOD 5, 1000 LB, W/CABLE ASSY M73 OR T15, W/SUSP LUGS, T.P.	TESTED APPLICATION	SAFE
E510 (NAVY)	BOMB, GP, MK 83 MOD 5, 1000 LB, W/CABLE ASSY M73 OR T15, W/SUSP LUGS, T.P.	TESTED APPLICATION	SUSCEPTIBLE
E511 (NAVY)	BOMB, PRAC, MK83 MOD 4, 1000 LB, W/CABLE ASSY, W/SUSP LUGS INSTALLED		NO REQUIREMENT
E918 (NAVY)	BOMB, CLUSTER, CBU-100/B, ROCKEYE, NONT. P., W/M339-1 FUZE, W/FIN RELEASE BAND	AV-8	SAFE
E918 (NAVY)	BOMB, CLUSTER, CBU-100/B, ROCKEYE, NONT. P., W/M339-1 FUZE, W/FIN RELEASE BAND	F/A-18	SAFE
E973 (NAVY)	BOMB, PRAC, MK 76 MOD 5, 25 LB, W/MK 14 SUSP LUG		NO REQUIREMENT
EA11 (NAVY)	SWIVEL AND CLIP ASSEMBLY, ARMING WIRE, F/MAU-199A/B SPRING ARMING WIRE ASSEMBLY AND BSU-86/B BOMB FIN		NO REQUIREMENT
EA16 (NAVY)	COMPUTER CONTROL GROUP, WCU-10A/B, F/GBU-10, -12, -16,	F/A-18	SAFE

DODIC	Nomenclature	Platform	HERO Class
EA16 (NAVY)	COMPUTER CONTROL GROUP, WCU-10A/B, F/GBU-10, -12, -16,		SUSCEPTIBLE
EA53 (NAVY)	FIN ASSEMBLY, BOMB, BSU-86A/B		NO REQUIREMENT
EA56 (NAVY)	BOMB, CLUSTER, CBU-99B/B	AV-8B	SAFE
EA56 (NAVY)	BOMB, CLUSTER, CBU-99B/B	F/A-18	SAFE
EA68 (NAVY)	AIRFOIL GROUP, MXU-667A/B, F/GBU-16A/B, GBU-16B/B LASER GUIDED BOMB		NO REQUIREMENT
EA96 (NAVY)	FIN ASSY, BOMB MK 83 MOD 1		NO REQUIREMENT
EB05 (NAVY)	FUZE ASSEMBLY, BOMB, FMU-139B/B	COMPONENT	SAFE
EB05 (NAVY)	FUZE ASSEMBLY, BOMB, FMU-139B/B	F/A-18C/D	SAFE
EB05 (NAVY)	FUZE ASSEMBLY, BOMB, FMU-139B/B	F/A-18E/F	SAFE
EB14 (NAVY)	FIN ASSEMBLY(CANARD)		NO REQUIREMENT
EB35 (NAVY)	GUIDANCE SET KMU-556A/B FOR GBU-31		SUSCEPTIBLE
EB38 (NAVY)	KMU-559A/B GUIDANCE SET		SUSCEPTIBLE
EB52 (NAVY)	GUIDANCE SET KMU-572A/B		SUSCEPTIBLE
EB66 (NAVY)	COMPUTER CONTROL GROUP, MAU-209/B(GRAY)		SUSCEPTIBLE.
EB85 (NAVY)	AIRFOIL GROUP, MXU-650B/B, GB		NO REQUIREMENT
EC36 (NAVY)	FUZE, ELECTRONIC, BOMB FMU-139C/B	COMPONENT	SAFE
EC36 (NAVY)	FUZE, ELECTRONIC, BOMB FMU-139C/B	F/A-18E/F	SAFE
EC51 (AIR FORCE)	KMU-572B/B GUIDANCE SET	TESTED APPLICATION	SUSCEPTIBLE
EC63 (NAVY)	FIRE BOMB, MK 77 MOD 6, DRY FILLED		NO REQUIREMENT
ED01 (NAVY)	BOMB, GENERAL PURPOSE, BLU-126/B	TO BE SPECIFIED	NO REQUIREMENT
EWAA (NAVY)	FLARE, A/C, DECOY MJU-27A/B		NO REQUIREMENT
F237 (NAVY)	BOMB, PRAC, MK82 MOD 1, 500 LB, W/CABLE ASSY M72 OR T8, W/SUSP LUGS INSTALLED		NO REQUIREMENT
F273 (NAVY)	BOMB, PRAC, MK 84 MOD 2, 2000 LB, W/CABLE ASSY M74 OR T15, W/SUSP LUGS INSTALLED		NO REQUIREMENT
F278 (NAVY)	BOMB, GP, MK84 MOD6, 2000 LB, H-6 LOADED, W/CABLE ASSY M74 OR T15W/SUSP LUGS INSTALLED, T.P.		NO REQUIREMENT
F278 (NAVY)	BOMB, GP, MK84 MOD6, 2000 LB, H-6 LOADED, W/CABLE ASSY M74 OR T15W/SUSP LUGS INSTALLED, T.P.	TESTED APPLICATION	SAFE

DODIC	Nomenclature	Platform	HERO Class
F278 (NAVY)	BOMB, GP, MK84 MOD6, 2000 LB, H-6 LOADED, W/CABLE ASSY M74 OR T15W/SUSP LUGS INSTALLED, T.P.	TESTED APPLICATION	UNSAFE/UNRELIABLE
F279 (NAVY)	BOMB, PRAC, MK 84 MOD 7, 2000 LB, INERT, W/CABLE ASSY, M74 OR T15, W/SUSP LUGS INSTALLED 5853841		NO REQUIREMENT
F288 (NAVY)	BOMB, GP, BLU-110A/B 1000 LB PBXN-109 LOADED, THERMALLY PROTECTED LOW DRAG		NO REQUIREMENT
F289 (NAVY)	BOMB, GP, BLU-111A/B 500 LB SIZE PBXN-109 LOADED, THERMALLY PROTECTED, LOW DRAG		NO REQUIREMENT
F415 (NAVY)	ARMING WIRE ASSEMBLY, MK9 MOD 0, SINGLE		NO REQUIREMENT
F417 (NAVY)	ARMING WIRE ASSEMBLY, FZU-52/B, SINGLE 90 INCH-STRAND, 0.064 INCH DIA., F/MK 14 AND MK 15 FIN RELEASE ON MK 80 SERIES BOMBS		NO REQUIREMENT
F431 (NAVY)	ARMING WIRE ASSEMBLY, AN-M6A2 OR MK 1 MOD 0, SINGLE		NO REQUIREMENT
F448 (NAVY)	ARMING WIRE ASSEMBLY, MK 3 MOD 0, SINGLE		NO REQUIREMENT
F470 (NAVY)	CARTRIDGE, SIGNAL, PRACTICE BOMB CXU-3		NO REQUIREMENT
F533 (NAVY)	FIN ASSEMBLY, BOMB, CONICAL, F/2000 GP MK 84 AND MODS W/O SUSP LUGS		NO REQUIREMENT
F562 (NAVY)	CARTRIDGE, SIGNAL, PRAC BOMB MK 4 MOD 3		NO REQUIREMENT
F607 (NAVY)	FIN ASSEMBLY, BOMB, MODIFIED, F/2000 LB LOW DRAG BOMB, MK 84 ANDMODS, W/O SUSP LUGS		NO REQUIREMENT
F642 (NAVY)	FIN ASSEMBLY, BOMB, MODIFIED, F/1000 LB LOW DRAG BOMB, MK 83 MOD 2, 3 AND 4, W/O SUSP LUGS		NO REQUIREMENT
F649 (NAVY)	FIN ASSEMBLY, BOMB, MODIFIED, F/2000 LB LOW DRAG BOMB, MK 84 MOD 1, W/DBL SUSP LUGS MK 3 MOD 0		NO REQUIREMENT
F763 (NAVY)	FIN ASSEMBLY,BOMB MXU-650A/B GUIDE,FOR PAVEWAY II LASER GUIDED BOMB (CY16),PACKAGED 1 PER STEEL DRUM		NO REQUIREMENT
F763 (NAVY)	AIRFOIL GROUP,BOMB MXU-650/B, USED W/COMPUTER CONTROL GROUP MAU-169A/B,F/GBU-12C/B LASER GUIDED BOMB C/O WING ASSEMBLY,GUIDANCE FINS, ADAPTERS AND ATTACHING HARDWARE,PKG 1 PER SHIPPING CNTR.		NO REQUIREMENT
F766 (NAVY)	FIN ASSEMBLY, BOMB, BSU-86/B		NO REQUIREMENT
F782 (NAVY)	FIN ASSEMBLY, BOMB, BSU-33B/B		NO REQUIREMENT
FW01 (NAVY)	FUEL GELLING MIXTURE, FOR MK 77 MOD 5 FIRE BOMB.		NO REQUIREMENT
FW11 (NAVY)	FIRING PIN ASSY, MK 1 MOD 0, F/PRACTICE BOMBS		NO REQUIREMENT

DODIC	Nomenclature	Platform	HERO Class
FW25 (NAVY)	CLIP, SAFETY, ARMING WIRE, (FAHNESTOCK)		NO REQUIREMENT
FW26 (NAVY)	CUP, SUPPORT, F/LOW DRAG BOMBS		NO REQUIREMENT
FW35 (NAVY)	PLUG, BOMB, NOSE, STEEL, F/GP BOMB MK 84		NO REQUIREMENT
FW44 (NAVY)	ADAPTER, SPOTTING CHARGE, BOMB, MK 89 MOD 0		NO REQUIREMENT
FW46 (NAVY)	EXTRACTOR, FUZE ARMING WIRE, F/DISPENSER MK 7 MOD 3, NAVAIR DWG NO.2877742		NO REQUIREMENT
FW56 (NAVY)	CLIP, RESTRAINER, F/MK 344/MK 376 FUZES ON MK 80 SERIES BOMBS		NO REQUIREMENT
FW90 (NAVY)	PLUG, SOLID NOSE FUZE, MXU-735/B, STEEL, F/MK 81, 82, 83, 84 BOMBS		NO REQUIREMENT
FW95 (NAVY)	AIRFOIL GROUP, MXU-667/B, F/GBU-16/B LASER GUIDED BOMB		NO REQUIREMENT
FW98 (NAVY)	INFLATION DEVICE, AUTOMATIC, FLU-8A/P F/LPU-23A/P AND LPU-21/P LIFE PRESERVERS	PERSONNEL-BORNE	SAFE
G261 (NAVY)	LUG, SUSP, BOMB, MS3314, DOUBLE, F/GP BOMB MK 81, MK 82, MK 83 AND FIRE BOMB MK 79 MOD 1		NO REQUIREMENT
G263 (NAVY)	LUG, SUSP, BOMB, MK 14 MOD 0		NO REQUIREMENT
G273 (NAVY)	LUG, SUSP, BOMB, DOUBLE, MK 3 MOD 0, F/2000 LB, GP BOMB		NO REQUIREMENT
G296 (NAVY)	LUG, SUSP, BOMB, MK 6 MOD 1, F/1000 LB, GP BOMB		NO REQUIREMENT
G811 (NAVY)	BODY, PRACTICE HAND GRENADE, F/M69 PRACTICE GRENADE		NO REQUIREMENT
G878 (NAVY)	FUZE DELAY, M228, FOR M69 PRACTICE HAND GRENADE, W/CONFIDENCE CLIP		NO REQUIREMENT
G881 (NAVY)	GRENADE, HAND, FRAG, M67 W/O CONFIDENCE CLIP (USMC)		NO REQUIREMENT
G900 (NAVY)	GRENADE, HAND, INCENDIARY, AN-M14 SERIES		NO REQUIREMENT
G940 (NAVY)	GRENADE, HAND, SMOKE, GREEN, M18 SERIES (USMC)	PERSONNEL-BORNE	NO REQUIREMENT
G945 (NAVY)	GRENADE, HAND, SMOKE, YELLOW, M18 SERIES (USMC)		NO REQUIREMENT
G945 (NAVY)	GRENADE, HAND, SMOKE, YELLOW, M18 SERIES (USN)	PERSONNEL-BORNE	NO REQUIREMENT
G945 (NAVY)	GRENADE, HAND, SMOKE, YELLOW, M18 SERIES (USMC)	PERSONNEL-BORNE	NO REQUIREMENT
G950 (NAVY)	GRENADE, HAND, SMOKE, RED, M18 SERIES		NO REQUIREMENT
G955 (NAVY)	GRENADE, HAND, SMOKE, VIOLET, M18 SERIES (USMC)	PERSONNEL-BORNE	NO REQUIREMENT
GG04 (NAVY)	GRENADE, HAND, RUBBER BALL, NON-LETHAL		NO REQUIREMENT
GW03 (NAVY)	SWITCH, ARMING, SAFETY, MK 122 MOD 0		NO REQUIREMENT
GW04 (NAVY)	INITIATOR, FIREBOMB MK 13 MOD 0		NO REQUIREMENT

DODIC	Nomenclature	Platform	HERO Class
GW90 (NAVY)	SWIVEL, DOUBLE RING, F/MINES MK 25, 36, 52, 55, 56		NO REQUIREMENT
H121 (NAVY)	LAUNCHER, LAU-61C/A, F/2.75 IN., RKT, T.P.		NO REQUIREMENT
H122 (NAVY)	LAUNCHER, LAU-68D/A, F/2.75 IN., RKT, T.P.		NO REQUIREMENT
H141 (NAVY)	LAUNCHER, LAU 10C/A, EMPTY, F/5.00 IN., RKT		NO REQUIREMENT
H142 (NAVY)	LAUNCHER, LAU 10D/A, EMPTY, F/5.00 IN., RKT, T.P.		NO REQUIREMENT
H663 (NAVY)	ROCKET WARHEAD, 2.75 INCH RKT, WTU-1/B, PRACTICE, INERT LOADED		NO REQUIREMENT
H664 (NAVY)	RKT, WHD, 2.75 INCH RKT, PRACTICE, WTU-14/B, INERT LOADED		NO REQUIREMENT
H812 (NAVY)	WARHEAD M257, ILLUMINATION, F/2.75-INCH ROCKET, 12-SHEAR PIN		NO REQUIREMENT
H812 (NAVY)	WARHEAD M257, ILLUMINATION, F/2.75-INCH ROCKET, 12-SHEAR PIN	TESTED APPLICATION	SAFE
H813 (NAVY)	WHD, 2.75 IN., RKT, M257, ILLUM, 6 SHEAR PIN		NO REQUIREMENT
H842 (NAVY)	WHD, 2.75 IN., RKT, M151, HE, W/FUZE M427E1		NO REQUIREMENT
H843 (NAVY)	WHD, 2.75 IN., RKT, M151, HE, W/FUZE M423		NO REQUIREMENT
H855 (NAVY)	RKT, WHD, 2.75 INCH RKT, M156/E13, WP, W/FUZE M427		NO REQUIREMENT
H892 (NAVY)	RKT, WHD, 2.75 INCH RKT, MK 67 MOD 1, SMOKE, RP, W/MK352 PD FUZE		NO REQUIREMENT
H893 (NAVY)	ROCKET WARHEAD, 2.75 INCH RKT, MK 67 MOD 1, SMOKE, RP, W/M427 PD FUZE		NO REQUIREMENT
H930 (NAVY)	WHD, 5.00 INCH ROCKET, MK 24, MOD 0, HE		NO REQUIREMENT
H931 (NAVY)	RKT, WHD, 5.00 INCH ROCKET, MK32 MOD 0, HE		NO REQUIREMENT
H943 (NAVY)	RKT, WHD, 5.00 INCH RKT, MK 34 MOD 2, SMOKE, RP, W/O FUZE		NO REQUIREMENT
HA03 (NAVY)	RKT MTR, MK 66 MOD 2, 2.75 INCH	AV-8B	SAFE
HA03 (NAVY)	RKT MTR, MK 66 MOD 2, 2.75 INCH	F/A-18A/F	SAFE
HA03 (NAVY)	RKT MTR, MK 66 MOD 2, 2.75 INCH	UH-1Y	SAFE
HA06 (NAVY)	WHD, 2.75 IN., RKT FLARE, INFRARED		NO REQUIREMENT
HA07 (NAVY)	RKT MTR, 2.75 IN., MK 66 MOD 4	COMPONENT	SAFE
HA19 (NAVY)	ROCKET MOTOR, ASSEMBLY, MK125 MOD 2 (RATO) FOR REMOTELY PILOTED VEHICLE (RPV) (PIONEER), WITH PROPELLANT GRAIN N-5 AND IGNITER WITH PROPELLANT GRAIN N-12.	TESTED APPLICATION	UNSAFE
HA21 (NAVY)	ROCKET ASSEMBLY, M72AS 21MM		NO REQUIREMENT

DODIC	Nomenclature	Platform	HERO Class
HA23 (NAVY)	WARHEAD, 2.75 INCH ROCKET, PRACTICE		NO REQUIREMENT
HA29 (NAVY)	ROCKET, HIGH EXPLOSIVE, 66MM, M72A7 LAW W/GRAZE AND REFLEX SIGHT-RAIL	TESTED APPLICATION	UNSAFE
HA29 (NAVY)	ROCKET, 66MM, M72A7 LAW W/GRAZE	PERSONNEL-BORNE	SAFE
HA49 (NAVY)	WARHEAD, 5-INCH, ROCKET		NO REQUIREMENT
HA50 (NAVY)	WARHEAD, MK 149 MOD 0, FLECHETTE	AIR-LAUNCHED MISSILE COMPONENT	NO REQUIREMENT
HA79 (NAVY)	WGU-59/B GUIDANCE SECTION, 2.75-INCH ROCKETS	COMPONENT	SAFE
HA94 (NAVY)	LAUNCHER, LAU-68F/A, 2.75-INCH ROCKET, 7 ROUND,THERMALLY PROTECTED	TESTED APPLICATION	UNSAFE
HW40 (NAVY)	RKT, WHD, 5.00 INCH RKT, MK 33 MOD 1, ILLUM		NO REQUIREMENT
HW42 (NAVY)	ADAPTER-BOOSTER, RKT, BBU-15/B, F/ADAPTER FUZE MK 352 MOD 2 TO ZUNI WARHEADS MK 24 AND MK 32		NO REQUIREMENT
HX02 (NAVY)	BOX, SHIPPING AND STORAGE M548/T46		NO REQUIREMENT
HX05 (NAVY)	RKT, ASSAULT (SMAW) ENCASED, 83MM, DUAL MODE, MK 3 MOD 0	PERSONNEL-BORNE	SAFE
HX07 (NAVY)	RKT, ASSAULT, ENCASED, HEAA, PRACTICE (SMAW) MK 7 MOD 0	PERSONNEL-BORNE	SAFE
HY71 (NAVY)	RKT, WHD, 2.75 INCH RKT, WDU-4A/A, FLECHETTE		NO REQUIREMENT
J271 (NAVY)	ROCKET MOTOR, 5.00 MK 71 MOD 1, WAFFAR, W/PROPELLANT GRAIN MK 88 MOD 0, W/IGNITER MK 282 MOD 0		SUSCEPTIBLE
J273 (NAVY)	RKT MTR, 5.00 IN., MK71 MOD 1, INERT LOADED		NO REQUIREMENT
J280 (NAVY)	PLUG, OGIVE, NOSE, STEEL, F/WARHEAD MK 24		NO REQUIREMENT
J289 (NAVY)	FUZE, RKT, FMU-90/B, NOSE, PD, DELAY		NO REQUIREMENT
J329 (NAVY)	FUZE, RKT, M414A1/MK 93 MOD 0, VT		SAFE
J344 (NAVY)	FUZE, RKT, MK 352 MOD 2, NOSE, PD		NO REQUIREMENT
J345 (NAVY)	FUZE, RKT, MK 188 MOS 0, NOSE, PD		NO REQUIREMENT
JW02 (NAVY)	PALLET, MATERIAL HANDLING, MK 12 MOD 0 STEEL, 45 1/2 X 35		NO REQUIREMENT
JW04 (NAVY)	PALLET ADAPTER, COMPLETE, MK11-1, F/TWELVE 5 IN PROJ OR RKT HDS		NO REQUIREMENT
JW06 (NAVY)	PALLET, BOMB, COMPLETE, MK8-0 STL F/TWELVE 250 LB BOMB MK81 MOD		NO REQUIREMENT
JW10 (NAVY)	PALLET, BOMB, COMPLETE, MK9-0 STL, F/SIX 500 LB BOMB MK82 MODS		NO REQUIREMENT
JW15 (NAVY)	PALLET, BOMB, COMPLETE, MK11-0 STL, F/THREE 1000 LB BOMB MK83 MODS		NO REQUIREMENT

DODIC	Nomenclature	Platform	HERO Class
JW18 (NAVY)	PALLET, LOADING/STORAGE, BOMB MHU 122/E		NO REQUIREMENT
JW25 (NAVY)	PALLET ADAPTER, BOTTOM MK 11-1, F/TWELVE 5/54 PROJ OR RKT HD		NO REQUIREMENT
JW26 (NAVY)	PALLET ADAPTER, TOP MK11-1, F/5 INCH PROJ AND RKT HDS		NO REQUIREMENT
JW83 (NAVY)	SHIELD, RADIO FREQ. MXU-710/A, F/TOW MISSILE		NO REQUIREMENT
K143 (NAVY)	MINE, ANTI-PERS, M18A1, NON-BOUNDING, NONMETALLIC (USMC)	PERSONNEL-BORNE	SUSCEPTIBLE
K143 (NAVY)	MINE, ANTI-PERS, M18, NON-BOUNDING, NONMETALLIC (USMC)	TESTED APPLICATION	SUSCEPTIBLE
K765 (NAVY)	RIOT CONTROL AGENT, CS, CAPSULE		NO REQUIREMENT
K867 (NAVY)	SMOKE POT, FLOATING, HC, M4A2 (USMC)		NO REQUIREMENT
K886 (NAVY)	FUZE, SMOKE POT, M209 ELECTRIC TYPE (NAVY)	TESTED APPLICATION	UNSAFE
KW61 (NAVY)	CONTAINER, S-S, CNU-287/E, F/AIM-9L/H/G		NO REQUIREMENT
L103 (NAVY)	FLARE, AIRCRAFT, BAND, SUSPENSION, PARACHUTE, F/MK24 A/C FLARE		NO REQUIREMENT
L105 (NAVY)	FLARE, AIRCRAFT, BAND, SUSPENSION, PARACHUTE FLARE, F/MK24 MK45 A/C FLARE		NO REQUIREMENT
L111 (NAVY)	FLARE, DISPENSER ASSEMBLY, SSU-25F/A F/EIGHT LUU-2B/B FLARES	TESTED APPLICATION	SAFE
L118 (NAVY)	SIGNAL, KIT, ILLUM, MK 79 MOD 0		NO REQUIREMENT
L258 (NAVY)	SIGNAL, HAND FIRED, MK80 MOD 0, 2RED STAR		NO REQUIREMENT
L283 (NAVY)	SIGNAL, SMOKE AND ILLUM, MARINE, MK124-0, DISTRESS, DAY AND NIGHT	TO BE SPECIFIED	NO REQUIREMENT
L306 (NAVY)	SIGNAL, ILLUM, GROUND, RED, STAR CLUSTER, M158/T133E2		NO REQUIREMENT
L307 (NAVY)	SIGNAL, ILLUM, GROUND, WHITE, STAR CLUSTER, M159/T137E2		NO REQUIREMENT
L311 (NAVY)	SIGNAL, ILLUM, GROUND, RED, STAR, PARACHUTE, M126		NO REQUIREMENT
L312 (NAVY)	SIGNAL, ILLUM, GROUND, WHITE, STAR, PARACHUTE, M127		NO REQUIREMENT
L314 (NAVY)	SIGNAL, ILLUM, GROUND, GREEN, STARCLUSTER, M125		NO REQUIREMENT
L323 (NAVY)	SIGNAL, SMOKE, GROUND, RED, PARACHUTE, M129A1 SERIES		NO REQUIREMENT
L324 (NAVY)	SIGNAL, SMOKE, GROUND, GREEN, PARACHUTE, M128A1 SERIES		NO REQUIREMENT
L328 (NAVY)	SIGNAL, CTG, RED FLARE, F/LAUNCHER KIT, SIGNAL, POCKET		NO REQUIREMENT
L441 (NAVY)	FLARE, AIRCRAFT, PARACHUTE, LUU-2B/B W/DROW/DROGUE TRAY LAU SUU-44/A		NO REQUIREMENT
L495 (NAVY)	FLARE, SURFACE, TRIP, M49 SERIES		NO REQUIREMENT

DODIC	Nomenclature	Platform	HERO Class
L564 (NAVY)	FLARE, SURFACE, TRIP, M49 SERIES		NO REQUIREMENT
L594 (NAVY)	SIMULATOR, PROJECTILE, GROUND BURST	PERSONNEL-BORNE	NO REQUIREMENT
L598 (NAVY)	SIMULATOR, BOOBY TRAP, FLASH, M117		NO REQUIREMENT
L599 (NAVY)	SIMULATOR, BOOBY, TRAP, M118, ILLIM.		NO REQUIREMENT
L602 (NAVY)	SIMULATOR, FLASH, ARTILLARY, M21 (USMC)	PERSONNEL-BORNE	UNSAFE
LA01 (NAVY)	FLARE, A/C, DECOY, MJU-32/B		NO REQUIREMENT
LA29 (NAVY)	FLARE, ACFT PARACHUTE, LUU-19A/B (PACKAGED FOR SHORE BASE USE ONLY)		NO REQUIREMENT
LA35 (NAVY)	FLARE DEVICE, DECOY, MJU-55/B		NO REQUIREMENT
LA40 (NAVY)	SIMULATOR, FLARE SM-875B/ALE		NO REQUIREMENT
LA43 (NAVY)	DECOY, IR, MJU-64/B		NO REQUIREMENT
LA44 (NAVY)	CARTRIDGE, SIGNAL AND ILLUMINATING, WHITE STAR GF 1.5	TESTED APPLICATION	SAFE
LA46 (NAVY)	CARTRIDGE, SIMULATOR, HOSTILE FIRE GF 1.5	TESTED APPLICATION	SAFE
LA50 (NAVY)	FLARE, DECOY MJU-38A/B		NO REQUIREMENT
LW04 (NAVY)	SWIVEL AND RING ASSEMBLY, F/USE WITH ARMING WIRE ASSYS.		NO REQUIREMENT
LW05 (NAVY)	ARMING ADAPTER, FOR USE ON MK 80 SERIES G.P.BOMBS IN AV-8A/C OR F/A-18 A/C, PKG 100/M19A1 AMMO BOX		NO REQUIREMENT
LW06 (NAVY)	ARMING ADAPTER, FOR USE ON MK 80 SRS G.P.BOMBS IN AV-8A/C OR F/A-18 A/C		NO REQUIREMENT
LW25 (NAVY)	FLARE, AIRCRAFT, PARACHUTE, SHEAR PIN, F/SUU-25F, FLARE DISPENSER, 1.25 IN LG		NO REQUIREMENT
LW30 (NAVY)	PIN, FLAG ASSEMBLY, F/SAFETY SWITCH, SUU-44/A FLARE DISPENSER		NO REQUIREMENT
LY07 (NAVY)	CHAFF, COUNTERMEASURERS, RR170A/AL		NO REQUIREMENT
LY15 (NAVY)	FLARE, KIT, DISPENSER FOR FLARE DISPENSER SUU-25		NO REQUIREMENT
LY53 (NAVY)	COVER, PYROTECHNIC PROTECTION F/SSU-25		NO REQUIREMENT
LY57 (NAVY)	FLARE, AIRCRAFT, PARACHUTE, SHEAR PIN, F/SUU-25, FLARE DISPENSER, 1.00 IN LG		NO REQUIREMENT
M012 (NAVY)	CTG., IMPULSE, MK 19 MOD 0	F/A-18	SUSCEPTIBLE
M023 (NAVY)	CHARGE, DEMOLITION, BLOCK, M112, COMP C-4, 1-1/4 LB		NO REQUIREMENT
M024 (NAVY)	CHARGE, DEMOLITION M118 PETN 2 LB BLOCK		NO REQUIREMENT
M030 (NAVY)	CHARGE, DEMO, BLOCK, TNT, 1/4 LB		NO REQUIREMENT

DODIC	Nomenclature	Platform	HERO Class
M032 (NAVY)	CHARGE, DEMO, BLOCK, TNT, 1 LB		NO REQUIREMENT
M039 (NAVY)	CHARGE, DEMOLITION, CRATERING, AMMONIA NITRATE, 40 LB		NO REQUIREMENT
M039 (NAVY)	CRATERING CHARGE, DEMOLITION, 40-POUND H-6 EXPLOSIVE		NO REQUIREMENT
M097 (NAVY)	CAP, BLASTING, NON-ELECTRIC, INERT		NO REQUIREMENT
M098 (NAVY)	CAP, BLASTING, ELECTRIC, INERT (USMC)		NO REQUIREMENT
M130 (NAVY)	CAP, BLASTING, SPECIAL, ELECTRIC, TYPE 2, J2 PETN.	PERSONNEL-BORNE	SUSCEPTIBLE
M130 (NAVY)	CAP, BLASTING, ELECTRIC, M6, 12 FT LEAD.	PERSONNEL-BORNE	SUSCEPTIBLE
M130 (NAVY)	CAP, BLASTING, ELECTRIC M6 (NONPROPAGATING PACK)	PERSONNEL-BORNE	SUSCEPTIBLE
M130 (NAVY)	CAP, BLASTING, ELECTRIC, M6, 12 FT LEAD.	PERSONNEL-BORNE	SUSCEPTIBLE
M130 (NAVY)	CAP, BLASTING, ELECTRIC, M6.	PERSONNEL-BORNE	SUSCEPTIBLE
M130 (NAVY)	CAP, BLASTING, ELECTRIC M6 (NONPROPAGATING PACK)	PERSONNEL-BORNE	SUSCEPTIBLE
M130 (NAVY)	CAP, BLASTING, SPECIAL, ELECTRIC, TYPE 11.	PERSONNEL-BORNE	UNSAFE
M130 (NAVY)	CAP, BLASTING, SPECIAL, ELECTRIC, TYPE 2, FOR UNDERWATER FUZE.	PERSONNEL-BORNE	UNSAFE/UNRELIABLE
M131 (NAVY)	CAP, BLASTING, SPECIAL, NON-ELECT		NO REQUIREMENT
M174 (NAVY)	CARTRIDGE, CALIBER 50, BLANK, ELECT INITIATED, W/MK 1-2 SQUIB. (USMC)	PERSONNEL-BORNE	SUSCEPTIBLE
M190 (NAVY)	CTG., STORES RELEASE, IMPULSE, MK 2 MOD 1	CH-53D	SAFE
M232 (NAVY)	CARTRIDGE, AIRCRAFT FIRE EXTINGUISHER, DUAL SQUIB	UH-1N	SAFE
M420 (NAVY)	CHARGE, DEMOLITION, SHAPED, M2 SERIES, 15 LB (USMC)		NO REQUIREMENT
M456 (NAVY)	CORD, DETONATING, REINFORCED (USMC)		NO REQUIREMENT
M474 (NAVY)	CONTAINER, DEMOLITION CHARGE MK 1 MOD 0, EMPTY		NO REQUIREMENT
M475 (NAVY)	CONTAINER, DEMOLITION CHARGE MK 2 MOD5, EMPTY		NO REQUIREMENT
M476 (NAVY)	CONTAINER, DEMOLITION CHARGE MK 3 MODS, EMPTY		NO REQUIREMENT
M477 (NAVY)	CONTAINER, DEMOLITION CHARGE MK 7 MOD 1, EMPTY		NO REQUIREMENT
M478 (NAVY)	CONTAINER, DEMOLITION CHARGE MK 7 MOD 2, EMPTY		NO REQUIREMENT
M479 (NAVY)	CONTAINER, DEMOLITION CHARGE MK 7 MOD 3, EMPTY		NO REQUIREMENT
M480 (NAVY)	CONTAINER, DEMOLITION CHARGE MK 7 MOD 4, EMPTY		NO REQUIREMENT

DODIC	Nomenclature	Platform	HERO Class
M481 (NAVY)	CONTAINER, DEMOLITION CHARGE MK 7 MOD 5, EMPTY		NO REQUIREMENT
M482 (NAVY)	CONTAINER, DEMOLITION CHARGE MK 7 MOD 6, EMPTY		NO REQUIREMENT
M483 (NAVY)	CONTAINER, DEMOLITION CHARGE MK 7 MOD 7, EMPTY		NO REQUIREMENT
M484 (NAVY)	CONTAINER, DEMOLITION CHARGE MK 7 MOD 8, EMPTY		NO REQUIREMENT
M487 (NAVY)	CONTAINER, DEMOLITION CHARGE MK 8 MOD 1, EMPTY		NO REQUIREMENT
M514 (NAVY)	CTG., IMPULSE, MK 44 MOD 0	UH-1Y	SAFE
M591 (NAVY)	DYNAMITE, MILITARY, M1		NO REQUIREMENT
M596 (NAVY)	CTG., INITIATOR, ACTUATED DELAY JAU-13/A, F/AVA8 AIRCRAFT		NO REQUIREMENT
M597 (NAVY)	CTG., INITIATOR, ACTUATED DELAY JAU-14/A, F/TAV-8A AIRCRAFT	TO BE SPECIFIED	NO REQUIREMENT
M647 (NAVY)	CTG., IMPULSE ANERIOD, F/AV8A HARRIER A/C		NO REQUIREMENT
M670 (NAVY)	FUZE, BLASTING, TIME, EXPLOSIVE LOADED		NO REQUIREMENT
M688 (NAVY)	CTG., INITIATOR, ACTUATED, M99 FORMERLY T30E1		NO REQUIREMENT
M710 (NAVY)	CTG., INITIATOR, ACTUATED, M26		NO REQUIREMENT
M757 (NAVY)	CHARGE ASSY, DEMOLITION, M183 (USMC)		NO REQUIREMENT
M766 (ARMY)	IGNITER, TIME BLASTING FZ, M2, M60/T2, PULL WIRE TYPE, WEATHERPROOF (ARMY)		NO REQUIREMENT
M766 (NAVY)	IGNITER, TIME BLASTING FZ, M2, M60/T2, PULL WIRE TYPE, WEATHERPROOF (NAVY)		NO REQUIREMENT
M897 (NAVY)	THRUSTER, CARTRIDGE ACTUATED M25A1		NO REQUIREMENT
M980 (NAVY)	CHARGE, DEMOLITION, EXPLOSIVE SHEET, 38 FT ROLL	PERSONNEL-BORNE	NO REQUIREMENT
M981 (NAVY)	CHARGE, DEMOLITION, EXPLOSIVE SHEET, 25 FT ROLL	PERSONNEL-BORNE	NO REQUIREMENT
M982 (NAVY)	CHARGE, DEMO, EXPLOSIVE SHEET, 19 FT ROLL		NO REQUIREMENT
MD16 (NAVY)	CORD, DETONATING, FCDC, NAVAIR DWG 857AS500-1, F/AH-1J ACFT		NO REQUIREMENT
MD17 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 857AS400-1, F/AH-1J ACFT		NO REQUIREMENT
MD33 (NAVY)	WINDOW CUTTING ASSEMBLY F/PILOTS WINDOW IN CANOPY REMOVAL SYS ON AH-1J ACFT, PKG 1/SEALED PLASTIC BAG		NO REQUIREMENT
MD36 (NAVY)	WINDOW CUTTING ASSEMBLY F/PILOTS DOOR IN CANOPY REMOVAL SYS ON AH-1J ACFT, PKG 1/SEALED PLASTIC BAG		NO REQUIREMENT
MD65 (NAVY)		F/A-18	SUSCEPTIBLE

DODIC	Nomenclature	Platform	HERO Class
MD65 (NAVY)	CTG., S/R, IMPULSE, CCU-45/B	TESTED APPLICATION	SUSCEPTIBLE
MD66 (NAVY)	CTG., S/R, IMPULSE, CCU-44/B	AV-8B	SAFE
MD66 (NAVY)	CTG., S/R, IMPULSE, CCU-44/B	F/A-18C/D	SAFE
MF21 (NAVY)	ROCKET MOTOR, MK 79 MOD 1 SEAT BACK, F/AV-8A AND TAV-8A HARRIER ACFT		NO REQUIREMENT
MF72 (NAVY)	INITIATOR, PROPELLANT ACTUATED, JAU-27/A, F/F-18/TF-18 ACFT		NO REQUIREMENT
MF73 (NAVY)	CARTRIDGE, A/C FIRE EXTINGUISHER ELECTRICALLY INITIATED, SCREW-IN TYPE 1/2 X 20 UNF-3A THREAD, F/F-18 ACFT, PKG 1/HERMETICALLY SEALED CNTR	TESTED APPLICATION	UNSAFE
MF78 (NAVY)	CTG., IMPULSE CCU-33/A		NO REQUIREMENT
MG31 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-823, F/AV-8B ACFT		NO REQUIREMENT
MG33 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-815, F/AV-8B ACFT		NO REQUIREMENT
MG35 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-809, F/AV-8B ACFT		NO REQUIREMENT
MG36 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-805, F/AV-8B ACFT		NO REQUIREMENT
MG37 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-801, F/AV-8B ACFT		NO REQUIREMENT
MG38 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-5, F/AV-8B ACFT		NO REQUIREMENT
MG39 (NAVY)	CORD, DETONATING, MDC, NAVAIR DWG 837AS119, F/AV-8B ACFT		NO REQUIREMENT
MG40 (NAVY)	CORD, DETONATING, MDC, NAVAIR DWG 837AS118, F/AV-8B ACFT		NO REQUIREMENT
MG59 (NAVY)	CTG., INITIATOR, ACTUATED JAU-34/A		NO REQUIREMENT
MG67 (NAVY)	ROCKET MOTOR ASSY, MK 113 MOD 0 FOR A/TA-7 ACFT		NO REQUIREMENT
MH59 (NAVY)	INITIATOR CARTRIDGE ACTUATED		NO REQUIREMENT
ML03 (NAVY)	FIRING DEVICE, DEMO, M142 MULTIPURPOSE		NO REQUIREMENT
ML04 (NAVY)	CUTTER, POWDER ACTUATED MK23-1		NO REQUIREMENT
ML05 (NAVY)	CUTTER, POWDER ACTUATED MK24-1		NO REQUIREMENT
ML10 (NAVY)	CHARGE, DEMO, SHAPED, FLEXIBLE, LINEAR 30 GRAINS PER FT.	PERSONNEL-BORNE	NO REQUIREMENT
ML11 (NAVY)	CHARGE, DEMO, SHAPED, FLEXIBLE, LINEAR 40 GRAINS PER FT.	PERSONNEL-BORNE	NO REQUIREMENT
ML12 (NAVY)	CHARGE, DEMO, SHAPED, FLEXIBLE, LINEAR 60 GRAINS PER FT.	PERSONNEL-BORNE	NO REQUIREMENT
ML13 (NAVY)	CHARGE, DEMOLITION, SHAPED, FLEXIBLE, LINEAR, 75 GRAINS PER FT.	PERSONNEL-BORNE	NO REQUIREMENT

DODIC	Nomenclature	Platform	HERO Class
ML14 (NAVY)	CHARGE, DEMO, SHAPED, FLEXIBLE, LINEAR 125 GRAINS PER FT.		NO REQUIREMENT
ML15 (NAVY)	CHARGE, DEMO, SHAPED, FLEXIBLE, LINEAR 225 GRAINS PER FT.	PERSONNEL-BORNE	NO REQUIREMENT
ML17 (NAVY)	CHARGE DEMOLITION, SHAPED, FLEXIBLE, LINEAR, 400 GRAINS PER FT.	PERSONNEL-BORNE	NO REQUIREMENT
ML19 (NAVY)	CHARGE, DEMO, SHAPED, FLEXIBLE, LINEAR 600 GRAINS PER FT.	PERSONNEL-BORNE	NO REQUIREMENT
MM30 (NAVY)	CHARGE, DEMOLITION MK 140 MOD 0, FLEXIBLE, 20 GRAM		NO REQUIREMENT
MM31 (NAVY)	CHARGE, DEMO, SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED, 30 GRAINS RDX PER FT, EACH CHG 6-FT LONG		NO REQUIREMENT
MM43 (NAVY)	CHARGE, DEMO, SHAPED, FLEXIBLE, LINEAR, 6 FT LONG WITH 60 GRAINS CH-6 PER FT.		NO REQUIREMENT
MM44 (NAVY)	CHARGE, DEMO, SHAPED, FLEXIBLE, LINEAR, 6-FT LONG WITH 75 GRAINS CH-6 PER FT		NO REQUIREMENT
MM45 (NAVY)	CHARGE, DEMO, SHAPED, FLEXIBLE, LINEAR, 6-FT LONG WITH 125 GRAINS CH-6 PER FT		NO REQUIREMENT
MM46 (NAVY)	CHARGE, DEMO, SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED, 225 GRAINS CH-6 PER FT, EACH CHG 6-FT LONG		NO REQUIREMENT
MM47 (NAVY)	CHARGE, DEMO, SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED, 400 GRAINS RDX PER FT, EACH CHG 6-FT LONG		NO REQUIREMENT
MM48 (NAVY)	CHARGE, DEMO, SHAPED, FLEXIBLE, LINEAR, 6-FT LONG WITH 600 GRAINS CH-6 PER FT.		NO REQUIREMENT
MM56 (NAVY)	DETONATOR, NONELECTRIC, MK 123 MOD 0, DUAL 100 FOOT SHOCK TUBE LEADS		NO REQUIREMENT
MN52 (NAVY)	DETONATOR, PERCUSSION, MK154 MOD 0		NO REQUIREMENT
MN88 (AIR FORCE)	CAP, BLASTING, NON-ELEC XM21 W/500 FT MINITUBE		NO REQUIREMENT
MN90 (NAVY)	CAP, BLASTING, DUAL-INITIATOR, NONELECTRIC, M23		NO REQUIREMENT
MT84 (NAVY)	CTG., IMPULSE, F/F-5, T-33 P/N 1257-2		NO REQUIREMENT
MT85 (NAVY)	CTG., IMPULSE CCU-109/A	AV-8B	SUSCEPTIBLE
MT95 (NAVY)	CTG., S/R, IMPULSE CCU-107/B, F/AIRCRAFT STORES SEPARATION	F/A-18C/D	SAFE
MT95 (NAVY)	CTG., S/R, IMPULSE CCU-107/B, F/AIRCRAFT STORES SEPARATION	UH-1N	SUSCEPTIBLE
MT95 (NAVY)	CTG., S/R, IMPULSE CCU-107/B, F/AIRCRAFT STORES SEPARATION	UH-1Y	SUSCEPTIBLE
MU40 (NAVY)	CORD, DETONATING, PETN, WTRPRF W/POLYETHYLENE OVER-EXTRUSION, COLOR PALE GREEN, 400 GRAIN PETN PER FT		NO REQUIREMENT
MU42 (NAVY)	CORD, DETONATING, PETN, W/POLYETHYLENE OVER-EXTRUSION, COLOR CLEAR, 100 GRAIN PETN PER FT		NO REQUIREMENT

DODIC	Nomenclature	Platform	HERO Class
MU48 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG NUMBER 841AS425-931, F/F-18 AND TF-18 ACFT		NO REQUIREMENT
MW18 (NAVY)	CORD, DETONATING, SET, SMDC, NAVAIR DWG 837AS122, F/AV-8B ACFT		NO REQUIREMENT
MW19 (NAVY)	CTG., ASSEMBLY F/SEAWARS	PERSONNEL-BORNE	SAFE
MW90 (NAVY)	CONTAINER, S-S, CNU-288/E, F/(1) CCGG MAU-169/B		NO REQUIREMENT
MW92 (NAVY)	CONTAINER, S-S, CNU-319/E, F/CLUSTER BOMB MK 20 MOD 6		NO REQUIREMENT
MW94 (NAVY)	AMPLIFIER-TRANSMITTER AM-6988A, COUNTERMEASURES DEVICE		NO REQUIREMENT
MX13 (NAVY)	BOX, AMMO SMALL ARMS, MK 1 MOD 0		NO REQUIREMENT
N285 (NAVY)	FUZE, MECH TIME AND SUPERQUICK, M577 BOOSTER		NO REQUIREMENT
N289 (NAVY)	FUZE, ELECTRONIC, M762	TESTED APPLICATION	SAFE
N290 (NAVY)	FUZE, ELECTRONIC, M767	TESTED APPLICATION	SAFE
N340 (NAVY)	FUZE, PD, M739 SERIES, .05 SEC SELECTIVE DELAY		NO REQUIREMENT
N523 (NAVY)	PRIMER, PERCUSSION, M82 SERIES (USMC)		NO REQUIREMENT
NW20 (NAVY)	CHAFF, COUNTERMEASURES, RR129/L , F/ALE-29/29A DISPENSER		NO REQUIREMENT
PC06 (NAVY)	GUIDED MISSILE, SIDEARM I, TACT, AGM-122/A, W/WINGS AND FINS	TESTED APPLICATION	SAFE
PC91 (NAVY)	GUIDED MISSILE, HELLFIRE, TACTICAL, AGM-114B, W/SAFE ARM DEVICE	MH-60S	SAFE
PC91 (NAVY)	GUIDED MISSILE, HELLFIRE, TACTICAL, AGM-114B, W/SAFE ARM DEVICE	MH-60S ARMED	SAFE
PC91 (NAVY)	GUIDED MISSILE, HELLFIRE, TACTICAL, AGM-114B, W/SAFE ARM DEVICE	SH-60B	SAFE
PC91 (NAVY)	GUIDED MISSILE, HELLFIRE, TACTICAL, AGM-114B, W/SAFE ARM DEVICE	SH-60B CORE B	SAFE
PC91 (NAVY)	GUIDED MISSILE, HELLFIRE, TACTICAL, AGM-114B, W/SAFE ARM DEVICE	SH-60F	SAFE
PL87 (NAVY)	GUIDED MISSILE, SUBSYSTEM, STINGER, PARTIAL, FIM-92D, CONTAINS RMP MISSILE RD, 3 BATTERY COOLANT UNITS	LAV-AD	SAFE
PL87 (NAVY)	GUIDED MISSILE, SUBSYSTEM, STINGER, PARTIAL, FIM-92D, CONTAINS RMP MISSILE RD, 3 BATTERY COOLANT UNITS	PERSONNEL-BORNE	SAFE
PL95 (NAVY)	GUIDED MISSILE SUBSYSTEM, (STINGER)	AVENGER	SAFE
PL95 (NAVY)	GUIDED MISSILE SUBSYSTEM, (STINGER)	LAV-AD	SAFE
PM69 (NAVY)	GUIDANCE AND CONTROL SECTION, TACT, WGU-4E/B, F/SIDEWINDER 639AS3922-8, -9. IN CNU-300/E	TESTED APPLICATION	UNSAFE
PN16 (NAVY)	GRIPSTOCK CONTROL GROUP, GUIDEDMISSILE LAUNCHER, F/STINGER MISSILE-RMP FIM-92C		NO REQUIREMENT

DODIC	Nomenclature	Platform	HERO Class
PT47 (NAVY)	WING ASSEMBLY, GUIDED MISSILE, MK1 MOD 3, F/AGM-122/A		NO REQUIREMENT
PU16 (NAVY)	GUIDED MISSILE, TOW, TACT, BGM-71E-5B	AH-1W	SAFE
PV40 (NAVY)	GUIDED MISSILE, SIDEARM I, TRAINING, CATM-122/A		SUSCEPTIBLE
PV89 (NAVY)	GUIDED MISSILE, SIDEWINDER, TACT, AIM-9M-8, W/WINGS AND FINS	TESTED APPLICATION	SAFE
PY70 (NAVY)	CONTAINER, S-S, CNU-447/E, FOR MAVERICK AUR		NO REQUIREMENT
QL30 (NAVY)	GM, HELLFIRE ATM-114Q, PRACTICE	HH-60H	SAFE
SS12 (NAVY)	CORD ASSEMBLY, DETONATING		NO REQUIREMENT
SS45 (NAVY)	CORD, DETONATING, WINDOW CUTTINGASSEMBLY (GUNNER DOOR)		NO REQUIREMENT
SU01 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-845,		NO REQUIREMENT
SU02 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-847, F/TAV-8B ACFT		NO REQUIREMENT
SU03 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-849, F/TAV-8B ACFT		NO REQUIREMENT
SU04 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-851, F/TAV-8B ACFT		NO REQUIREMENT
SU05 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-853, F/TAV-8B ACFT		NO REQUIREMENT
SU06 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-855, F/TAV-8B ACFT		NO REQUIREMENT
SU07 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-857, F/TAV-8B ACFT		NO REQUIREMENT
SU08 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-859, F/TAV-8B ACFT		NO REQUIREMENT
SU09 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-861, F/TAV-8B ACFT		NO REQUIREMENT
SU10 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-863, F/TAV-8B ACFT		NO REQUIREMENT
SU11 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-865, F/TAV-8B ACFT		NO REQUIREMENT
SU12 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-867, F/TAV-8B ACFT		NO REQUIREMENT
SU13 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-869, F/TAV-8B ACFT		NO REQUIREMENT
SU14 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-871, F/TAV-8B ACFT		NO REQUIREMENT
SU15 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-873, F/TAV-8B ACFT		NO REQUIREMENT
SU16 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-875, F/TAV-8B ACFT		NO REQUIREMENT
SU17 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-877, F/TAV-8B ACFT		NO REQUIREMENT
SU18 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-879, F/TAV-8B ACFT		NO REQUIREMENT

DODIC	Nomenclature	Platform	HERO Class
SU19 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-881, F/TAV-8B ACFT		NO REQUIREMENT
SU20 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-883, F/TAV-8B ACFT		NO REQUIREMENT
SU21 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-885, F/TAV-8B ACFT		NO REQUIREMENT
SU22 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-887, F/TAV-8B ACFT		NO REQUIREMENT
SU23 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-889, F/TAV-8B ACFT		NO REQUIREMENT
SU24 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-891, F/TAV-8B ACFT		NO REQUIREMENT
SU25 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-893, F/TAV-8B ACFT		NO REQUIREMENT
SU26 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-895, F/TAV-8B ACFT		NO REQUIREMENT
SU27 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-897, F/TAV-8B ACFT		NO REQUIREMENT
SU28 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-899, F/TAV-8B ACFT		NO REQUIREMENT
SU29 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-901, F/TAV-8B ACFT		NO REQUIREMENT
SU30 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-903, F/TAV-8B ACFT		NO REQUIREMENT
SU31 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-905, F/TAV-8B ACFT		NO REQUIREMENT
SU32 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-907, F/TAV-8B ACFT		NO REQUIREMENT
SU33 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-909, F/TAV-8B ACFT		NO REQUIREMENT
SU34 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-911, F/TAV-8B ACFT		NO REQUIREMENT
SU36 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-915, F/TAV-8B ACFT		NO REQUIREMENT
SU37 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-917, F/TAV-8B ACFT		NO REQUIREMENT
SU38 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-919, F/TAV-8B ACFT		NO REQUIREMENT
SU43 (NAVY)	CORD, DETONATING, SMDC, NAVAIR DWG 841AS425-929, F/TAV-8B ACFT		NO REQUIREMENT
WA83 (NAVY)	CARTRIDGE, IMPULSE ASSEMBLY CCU-136A/A	F/A-18C/D	SAFE
WA83 (NAVY)	CARTRIDGE, IMPULSE ASSEMBLY CCU-136A/A	F/A-18E/F	SAFE
WA83 (NAVY)	CARTRIDGE, IMPULSE ASSEMBLY CCU-136A/A	F-5N	SAFE
WA83 (NAVY)	CARTRIDGE, IMPULSE ASSEMBLY CCU-136A/A	UH-1N	SAFE
WA83 (NAVY)	CARTRIDGE, IMPULSE ASSEMBLY CCU-136A/A	UH-1Y	SAFE
WB24 (NAVY)	CARTRIDGE, IMPULSE, CCU-145/A	TESTED APPLICATION	SAFE

DODIC	Nomenclature	Platform	HERO Class
WB53 (NAVY)	CTG., AIRCRAFT FIRE EXTINGUISHER, CCU-147/A	UH-1N	SAFE
WB53 (NAVY)	CTG., AIRCRAFT FIRE EXTINGUISHER, CCU-147/A	VH-60N	SAFE
WF19 (NAVY)	GM HARM ATM-88BBLKIIIA	TESTED APPLICATION	SAFE
WF20 (NAVY)	GM HARM AGM-88B, BLKIIIA	TESTED APPLICATION	SAFE
XW32 (NAVY)	ARMING CABLE, F/GBU-10/12/16		NO REQUIREMENT
XW36 (NAVY)	CTG., CATAPULT, MK 205 MOD 1, F/TAV-8A, 8C, AV-8A, 8C A/C		NO REQUIREMENT
XW37 (NAVY)	ARMING WIRE COMPOSITE, F/MK 82 G.P.BOMBS; C/O 1 MK 9 MOD 0 ARMING WIRE ASSY, 1 SAFETY CLIP, 1 RING AND SWIVEL, AND 1 FERRULE		NO REQUIREMENT
XW38 (NAVY)	ARMING WIRE ACCESSORY KIT: C/O 500 SAFETY CLIPS, 500 RING AND SWIVEL ASSYS AND 500 FERRULES		NO REQUIREMENT
XW39 (NAVY)	FERRULE, FOR USE ON ARMING WIRE ASSEMBLIES		NO REQUIREMENT
XW40 (NAVY)	CLIP, SAFETY FOR USE ON ARMING WIRE ASSEMBLIES		NO REQUIREMENT
XW52 (NAVY)	INITIATOR, MECHANICAL, SMDC JAU-25/A OEA P/N 2915100-1		NO REQUIREMENT
XW70 (NAVY)	SAFETY ARMING DEVICE, DETONATOR F/AH-1T HELICOPTER		NO REQUIREMENT
XW77 (NAVY)	ACTUATOR, MECHANICAL ATU-96/A, F/AV-8B A/C		NO REQUIREMENT
XW78 (NAVY)	INITIATOR, MECHANICAL ACTUATED JAU-32/A		NO REQUIREMENT
YW33 (NAVY)	RKT, GTR-18 (SMOKEY SAM), F/TRAINING		NO REQUIREMENT
YW34 (NAVY)	LAUNCHER, LMU-23A/E, 23B/E F/RKT GTR-18		NO REQUIREMENT
YY34 (NAVY)	CONTAINER, S-S, CNU-472/E, FOR 1 MAVERICK AUR		NO REQUIREMENT
YY51 (NAVY)	CONTAINER, S-S, F/(1) MK 84 AIRFOIL GROUP, MXU-651/B		NO REQUIREMENT
YY52 (NAVY)	CONTAINER, S-S, F/(1) MK 82 AIRFOIL GROUP, MXU-650/B		NO REQUIREMENT
ZW40 (NAVY)	CONTAINER, SHIPPING/STORAGE MK 427-0 EMPTY, FOR ONE CBU MK20-2		NO REQUIREMENT
ZW88 (NAVY)	CONTAINER, SHIPPING/STORAGE, MK 427 MOD 1, EMPTY, MODIFIED, FOR ONE CBU MK 20 MODS		NO REQUIREMENT

STATION DRAWINGS

Encl (3)

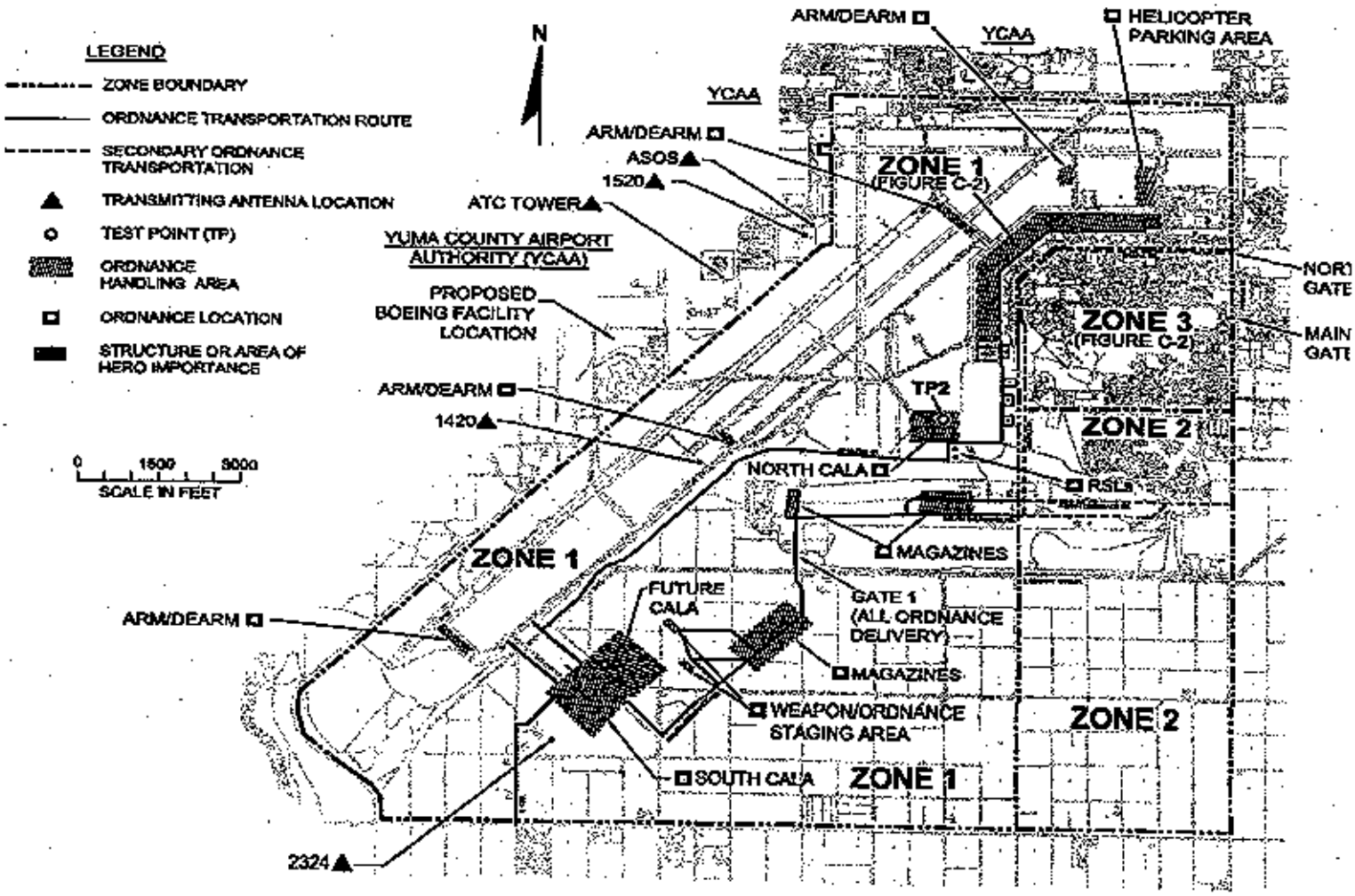

FIGURE C-1. MCAS YUMA, HERO ZONES: TRANSMITTING ANTENNA, ORDNANCE, AND TEST POINT (TP) LOCATIONS AND ORDNANCE TRANSPORTATION ROUTES

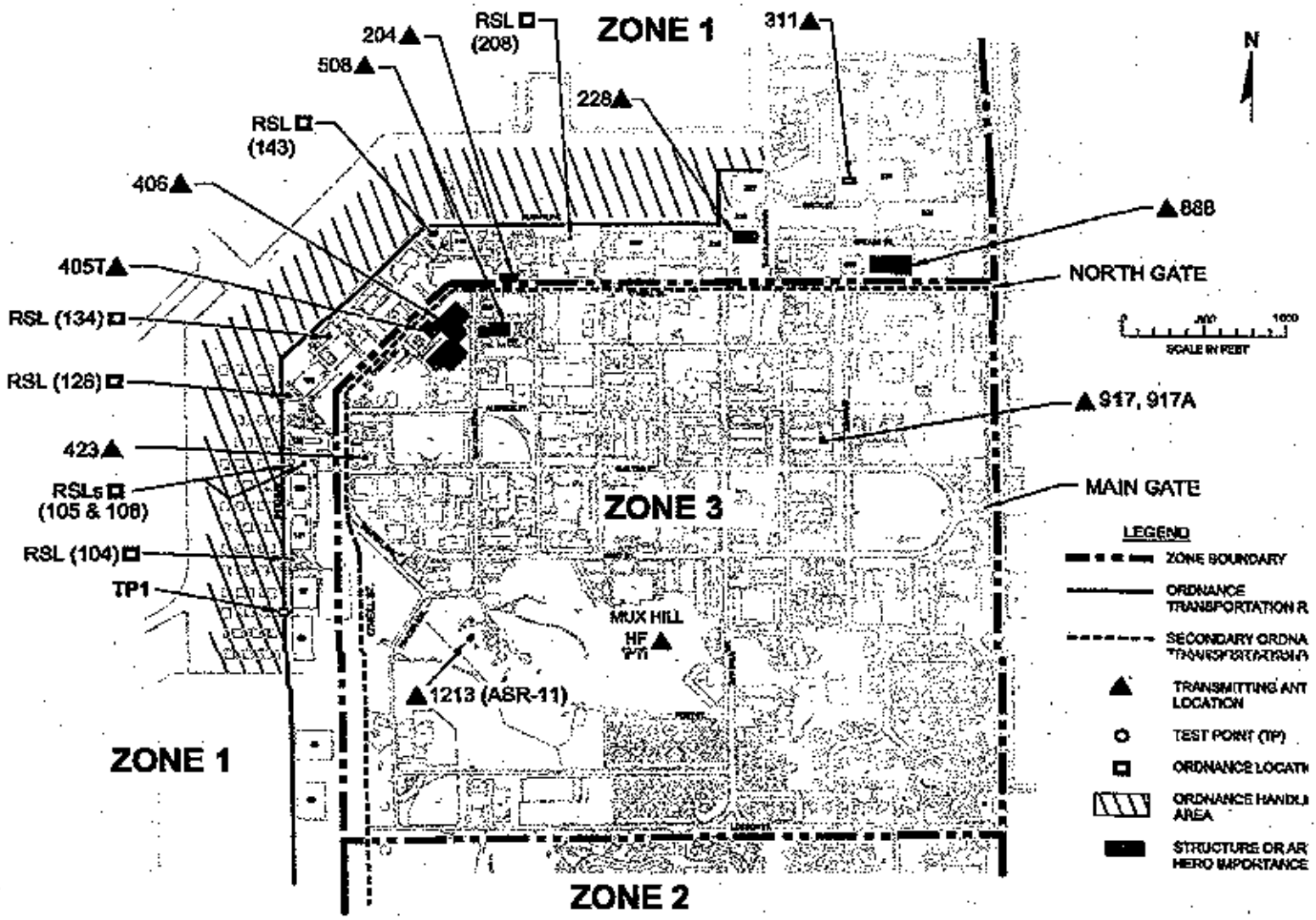

FIGURE C-2. MCAS YUMA, HERO ZONE 3 AND PARTIAL HERO ZONE 1: TRANSMITTING ANTENNA, ORDNANCE, AND TEST POINT (TP) LOCATIONS AND ORDNANCE TRANSPORTATION ROUTES

HERO SUMMARY

HERO SUMMARY

NALC	Ordnance	S4 Phases	Location	HERO CONDITION
General Applications				
All	HERO SAFE ORDNANCE	All S4 phases	All locations	0
All	HERO UNSAFE/UNRELIABLE ORDNANCE	All S4 phases	Zone 1	1
			Zone 2	2
			Zone 3	3
			Zone 4	4
All	HERO SUSCEPTIBLE ORDNANCE	All S4 phases	Zone 1	5
			Zone 2	6
			Zone 3	5
			Zone 4	6

HERO EMCON PROCEDURES

HERO EMCON PROCEDURES

HERO CONDITION 0

HERO EMCON is not required; all transmitters (as listed in Appendix A of this report) may be operated. Observe the general HERO requirements outlined in Chapter 7 of reference (b).

HERO CONDITION 1

This condition applies to HERO UNSAFE/UNRELIABLE ORDNANCE in HERO zone 1.

• Limit the AN/TRC-170(V)2 transmitter system connected to an OE-468/GRC (AS-3954/TRC) antenna located on Mux Hill to 1000 watts when pointed in the direction of the air field, and the take-off angle is less than 25 degrees.

• Observe the HERO UNSAFE/UNRELIABLE ORDNANCE safe separation distances for all aircraft transmitters except VHF/UHF communications transmitters operating at less than 20 watts or transmitters operating into dummy loads.

• For in-flight aircraft carrying ordnance items directly exposed to the station's EME, observe the HERO UNSAFE/UNRELIABLE ORDNANCE safe separation distances listed in Appendix A of this report for all stationary transmitters.

• Observe the HERO UNSAFE/UNRELIABLE ORDNANCE safe separation distances listed in Appendix A of this report for all mobile and portable transmitters.

• For an ordnance accident, emergency response units such as the Fire Department, Weapons Department, and Security responding to the scene with radio equipment must maintain a minimum separation distance of 150 feet from the accident site if using 3 VHF (132-174 MHz) mobile radios; similarly, a minimum separation distance of 50 feet must be maintained when using 3 VHF portable radios. Silence all other radios at the scene; for single radio use, apply the separation distances cited in Appendix A of this report for that specific mobile or portable unit.

HERO EMCON PROCEDURES (CONT.)

HERO CONDITION 2

This condition applies to HERO UNSAFE/UNRELIABLE ORDNANCE in HERO zone 2.

• Observe the HERO UNSAFE/UNRELIABLE ORDNANCE safe separation distances for all aircraft transmitters except VHF/UHF communications transmitters operating at less than 20 watts or transmitters operating into dummy loads.

• For in-flight aircraft carrying ordnance items directly exposed to the station's EME, observe the HERO UNSAFE/UNRELIABLE ORDNANCE safe separation distances listed in Appendix A of this report for all stationary transmitters.

• Observe the HERO UNSAFE/UNRELIABLE ORDNANCE safe separation distances listed in Appendix A of this report for all mobile and portable transmitters.

• For an ordnance accident, emergency response units such as the Fire Department, Weapons Department, and Security responding to the scene with radio equipment must maintain a minimum separation distance of 150 feet from the accident site if using 3 VHF (132-174 MHz) mobile radios; similarly, a minimum separation distance of 50 feet must be maintained when using 3 VHF portable radios. Silence all other radios at the scene; for single radio use, apply the separation distances cited in Appendix A of this report for that specific mobile or portable unit.

HERO CONDITION 3

This condition applies to HERO UNSAFE/UNRELIABLE ORDNANCE in HERO zone 3.

• Limit the AN/TRC-170(V)2 transmitter system connected to an OE-468/GRC (AS-3954/TRC) antenna located on Mux Hill to 1000 watts when pointed in the direction of the air field, and the take-off angle is less than 25 degrees, or when HERO UNSAFE ORDNANCE is exposed along the secondary transportation route.

• Observe the HERO UNSAFE/UNRELIABLE ORDNANCE safe separation distances listed in Appendix A of this report for all mobile and portable transmitters.

• For an ordnance accident, emergency response units such as the Fire Department, Weapons Department, and Security responding to the scene with radio equipment must maintain a minimum separation distance of 150 feet from the accident site if using 3 VHF (132-174 MHz) mobile radios; similarly, a minimum separation distance of 50 feet must be maintained when using 3 VHF portable radios. Silence all other radios at the scene; for single radio use, apply the separation distances cited in Appendix A of this report for that specific mobile or portable unit.

HERO EMCON PROCEDURES (CONT.)

HERO CONDITION 4

This condition applies to HERO UNSAFE/UNRELIABLE ORDNANCE in HERO zone 4.

• Observe the HERO UNSAFE/UNRELIABLE ORDNANCE safe separation distances listed in Appendix A of this report for all mobile and portable transmitters.

• For an ordnance accident, emergency response units such as the Fire Department, Weapons Department, and Security responding to the scene with radio equipment must maintain a minimum separation distance of 150 feet from the accident site if using 3 VHF (132-174 MHz) mobile radios; similarly, a minimum separation distance of 50 feet must be maintained when using 3 VHF portable radios. Silence all other radios at the scene; for single radio use, apply the separation distances cited in Appendix A of this report for that specific mobile or portable unit.

HERO CONDITION 5

This condition applies to HERO SUSCEPTIBLE ORDNANCE in HERO zones 1 and 2.

• Observe the HERO SUSCEPTIBLE ORDNANCE safe separation distances for all aircraft transmitters except VHF/UHF communications transmitters operating at less than 40 watts or transmitters operating into dummy loads.

• Observe the HERO SUSCEPTIBLE ORDNANCE separation distances listed in Appendix A of this report for all mobile and portable transmitters.

HERO CONDITION 6

This condition applies to HERO SUSCEPTIBLE ORDNANCE in HERO zones 3 and 4.

• Observe the HERO SUSCEPTIBLE ORDNANCE separation distances listed in Appendix A of this report for all mobile and portable transmitters.

ANTENNA AND TRANSMITTER SYSTEMS

ANTENNA AND TRANSMITTER SYSTEMS

Building Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances: HERO UNSAFE/ UNRELIABLE ORDNANCE (feet/meters)	Separation Distances: HERO SUSCEPTIBLE ORDNANCE (feet/meters)
228	N/A	WHIP	2.1	350-470	110.0	MOTOROLA XTL 5000 (350-470 MHZ) (HIGH POWER)	110/33	27/8
311	N/A	WHIP	2.1	350-470	110.0	MOTOROLA XTL 5000 (350-470 MHZ) (HIGH POWER)	110/33	27/8
328 (EOD)	AS-3588	WHIP	2.1	350-470	40.0	MOTOROLA XTL 5000 (350-470 MHZ) (MEDIUM POWER)	66/20	17/5
404	TACO D2211 (UHF)	MULDIPOL	0.0	350-400	40.0	MOTOROLA XTL 5000 (350-470 MHZ) (MEDIUM POWER)	52/16	13/4
405T	TACO D2211	WHIP	0.0	108-512	20.0	AN/PRC-148(V)(C) MBITR (W/MA6943)	119/36	30/9
405T	ANTENNA PRODUCTS DVP-108	WHIP	10.0	1750-1850	200.0	RRU	73/22	18/6
406	AT-197A/GR	BROADBAND	1.8	225-400	10.0	AN/URC-200 (UHF) (FM/AM HIGH POWER)	50/15	12/4
406	HARRIS RF-3150-AT152	MONOPOLE	0.0	30-89	10.0	AN/VRC-103(V)2 [AN/PRC-117G] (FM LOS)	114/35	28/9
406	HARRIS RF-3150-AT152	MONOPOLE	0.0	90-108	20.0	AN/VRC-103(V)2 [AN/PRC-117G] (FM LOS AND SATCOM)	143/44	36/11
06 (BLUE FORCE TRACKER)	N/A	STUB	0.9	902-928	25	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
06 (BLUE FORCE TRACKER)	N/A	STUB	0.9	2400-2483.5	40	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
423	AS-390A/SRC	COAXIAL STUB	2.1	225-400	50.0	AN/GRC-171(V)1 (FM)	115/35	29/9
508	AS-4459/U	OMNIDIRECTIONAL	7.5	960-1215	40.0	JTIDS CLASS EQUIPMENT	45/14	11/3
888	TRIMBLE TRIMMARK 3 (0DB)	UHF OMNI WHIP	0.0	410-420	25.0	TRIMBLE TRIMMARK 3 (HIGH)	35/11	10/3
888	TRIMBLE TRIMMARK 3 (0DB)	UHF OMNI WHIP	0.0	430-450	25.0	TRIMBLE TRIMMARK 3 (HIGH)	33/10	10/3
888	TRIMBLE TRIMMARK 3 (0DB)	UHF OMNI WHIP	0.0	450-470	25.0	TRIMBLE TRIMMARK 3 (HIGH)	32/10	10/3
917	CISCO AIRONET 1400	INTEGRATED BRIDGE	22.5	5725-5825	0.25	CISCO AIRONET 1400 WIRELESS BRIDGE (250 MW)	10/3	10/3
917	CISCO AIRONET 1400	INTEGRATED BRIDGE	22.5	5725-5825	0.25	CISCO AIRONET 1400 WIRELESS BRIDGE (250 MW)	10/3	10/3
917A	BIRD TECH BA-40-57-DIN	DIPOLE	3.0	350-420	110.0	MOTOROLA XTL 5000 (350-470 MHZ) (HIGH POWER)	122/37	30/9
917A	AT-197A/GR	BROADBAND	1.8	225-400	50.0	AN/URC-200 (UHF) (WITH UPA-50)	111/34	28/8
1213	ASR-11 (PSR)	PARABOLIC	34.0	2700-2900	1664.478	ASR-11 (PSR) [LONG PULSE (8 MODULES)]	2176/663	544/166
1213	ASR-11 (MSSR)	PARABOLIC	27.0	1030	84.0	ASR-11 (MSSR)	572/174	143/44

UA = Not assigned

Building Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE/ UNRELIABLE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
1420	AS-3184/URN4	DIPOLE ARRAY	6.0	962-1213	3.55	AN/TRN-46 (REPLY OR AZIMUTH X-MODE)	11/3	10/3
1420	AS-3184/URN	DIPOLE ARRAY	6.0	962-1213	8.5	AN/TRN-46 (REPLY OR AZIMUTH Y-MODE)	17/5	10/3
1420	AS-3161/UPN	AZIMUTH PARABOLIC	41.8	9000-9160	52.8	AN/FPN-63	285/87	71/22
1420	AS-3240/URN	PARASITIC ARRAY	6.0	962-1215	118.0	AN/URN-25	65/20	16/5
1420	AS-3160/UPN	ELEVATION ARRAY	42.3	9000-9160	52.8	AN/FPN-63	302/92	76/23
1520	TACO D2217	MULDIPOLE	1.0	225-400	50	CM-200/UT (W/CM-50 AMPLIFIER)	101/31	25/8
1520	AS-1018/URC	COLINEAR DIPOLE ARRAY	5.0	225-400	50	CM-200/UT (W/CM-50 AMPLIFIER)	161/49	40/12
1520	TACO D-2261A1	DIPOLE	4.0	118-136	50	CM-200/VT (W/CM-50 AMPLIFIER)	273/83	68/21
1520	AS-2809/SRC	DIPOLE	2.0	117-137	50	CM-200/VT (W/CM-50 AMPLIFIER)	219/67	55/17
2324	N/A	WHIP	2.1	225-400	50	AN/URC-200 (UHF) (WITH UPA-50)	115/35	29/9
AIRPORT LOOP ROAD (BASE OF FLIGHTLINE)	PARABOLIC		22.3	35112-35889	0.1	STS PERIMETER SURVEILLANCE RADAR SYSTEM (PSRS) (FMCW)	10/3	10/3
AIRPORT LOOP ROAD (BASE OF FLIGHTLINE)	PARABOLIC		22.3	35112-35889	0.08	STS PERIMETER SURVEILLANCE RADAR SYSTEM (PSRS) [FMCW (TYPICAL)]	10/3	10/3
ASOS	ASOS AAI-ACU-DCP	CARDIOD	3.0	410	0.06	ASOS (AUTOMATED SURFACE OBSERVING SYSTEM)	10/3	5/1.5
ATC	BIRD TECH BA-40-57-DIN	DIPOLE	3.0	350-420	110.0	MOTOROLA XTL 5000 (350-470 MHZ) (HIGH POWER)	122/37	30/9
ATC	TACO D2218	MULDIPOL MULTIPLE DIPOLE COLLINEAR ARRAY	1.0	225-400	50.0	CM-200/UT (W/CM-50 AMPLIFIER)	101/31	25/8
ATC	TACO D2218	MULDIPOLE	1.0	225-400	50.0	AN/GRC-171(V)1 (FM)	101/31	25/8
ATC	TACO D2218	MULDIPOLE	1.0	225-400	20.0	AN/GRC-171(V)1 (AM)	64/20	16/5
ATC	TACO D2218	MULDIPOL MULTIPLEDIPOLE COLLINEAR ARRAY	1.0	117-137	50.0	CM-200/VT(W/CM-50 AMPLIFIER)	114/35	28/9
ATC	TACO D2218	MULDIPOL	1.0	116-152	25.0	AN/GRC-211	36/11	10/3
LIGHTLINE (NEW TOWER)	PARABOLIC		22.3	35112-35889	0.1	STS PERIMETER SURVEILLANCERADAR SYSTEM (PSRS) (FMCW)	10/3	10/3
LIGHTLINE (NEW TOWER)	PARABOLIC		22.3	35112-35889	0.8	STS PERIMETER SURVEILLANCE RADAR SYSTEM (PSRS) [FMCW (TYPICAL)]	10/3	10/3
MUX HILL	AS-2259/GR	NVIS	6.0	2-30	150.0	AN/VRC-104(V)3 [AN/PRC-150(C)](150-WATT AMPLIFIER)	880/268	220/67
MUX HILL	AS-2259/GR	NVIS	6.0	2-30	50.0	AN/VRC-103(V)2 [AN/PRC-117G] (50 WATT AMPLIFER)	508/155	127/39
MUX HILL	AS-2259/GR	NVIS	6.0	2-30	400.0	AN/PRC-150(C) (WITH RF-5834H-PA)	1437/438	359/109

N/A = Not assigned

Encl (6)

Building Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances: HERO UNSAFE/ UNRELIABLE ORDNANCE (feet/meters)	Separation Distances: HERO SUSCEPTIBLE ORDNANCE (feet/meters)
MUX HILL	OE-354/TRC-170(V)3	PARABOLIC	38.6	4400-5000	1000.0	AN/TRC-170(V)3 (TROPO MODE)	1757/536	439/134
MUX HILL	OE-468/ORC (AS-3954/TRC)		38.5	4400-5000	2000.0	AN/TRC-170(V)2 (TROPO MODE)	2457/749	614/187
NORTH GATE)UTH ORDNANCE ROAD)	PARABOLIC		22.3	35112-35889	0.1	STS PERIMETER SURVEILLANCE RADAR SYSTEM (PSRS) (FMCW)	10/3	10/3
NORTH GATE)UTH ORDNANCE ROAD)	PARABOLIC		22.3	35112-35889	0.8	STS PERIMETER SURVEILLANCE RADAR SYSTEM (PSRS) [FMCW (TYPICAL)]	10/3	10/3
PINTAS	N/A	DIPOLE	2.1	1750-1900	5.0	OR-117I/TSQ-T4	10/3	10/3
'UMP STATIONS	LP14	180-DEGREE SECTOR	14.2	2401-2482	0.1	YDI AMP2440 SERIES REMOTEBI-DIRECTIONAL POWER AMPLIFIER	10/3	10/3
'UMP STATIONS	PT2424	DIRECTIONAL	24.5	2401-2482	0.1	YDI AMP2440 SERIES REMOTE BI-DIRECTIONAL POWER AMPLIFIER	10/3	10/3
VARIOUS	KING FISHER KF50041	OMNI	5.1	138-147	1.0	KING FISHER KF3 (GOVERNMENT USE ONLY)	37/11	10/3
'ARIOUS (GIANT VOICE)	MADAHCOM TACWAVES FIELD STATION (TAC-FLD-002)	OMNIDIRECTIONAL	9.0	2400-2480	0.1	MADAHCOM TACWAVES FIELD STATION (TAC-FLD-002)	10/3	10/3
'ARIOUS (GIANT VOICE)	MADAHCOM ANT-109-DR	DIRECTIONAL	9.0	2400-2480	0.1	MADAHCOM WAVES TRX-401	10/3	10/3
				RANGES AND OFF SITES				
BAKER PEAKS	N/A	PARABOLIC	24.0	7000-20000	2.0	OMEGA 7DM	10/3	10/3
BAKER PEAKS	N/A	WHIP	2.1	902-928	1.0	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
BAKER PEAKS	N/A	WHIP	2.1	2400-2483.5	0.5	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
BAKER PEAKS	AS-390/SRC	COAXIAL STUB	2.1	225-400	50.0	AN/URC-200 (UHF) (WITH UPA-50)	115/35	29/9
BAKER PEAKS (N/A)	N/A	PANEL	13.0	2400-2450	0.8	LONG RANGER 2020	10/3	10/3
BAKER PEAKS	N/A	DIPOLE	2.1	1750-1900	5.0	OR-117I/TSQ-T4	10/3	10/3
BAKER PEAKS	N/A	DIPOLE	2.1	1700-1900	5.0	OR-117I/TSQ-T4	10/3	10/3
CABEZA	N/A	WHIP	2.1	902-928	1.0	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
CABEZA	N/A	WHIP	2.1	2400-2483.5	0.5	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
CABEZA	N/AS	DIPOLE	2.1	1750-1900	5.0	OR-117(V)I/TSQ-T4	10/3	10/3
CABEZA	N/A	PARABOLIC	24.0	1750-1900	5.0	OR-117(V)I/TSQ-T4	10/3	10/3
CACTUS WEST	N/A	PARABOLIC	24.0	5725-5825	0.25	CISCO AIRONET 1400 WIRELESS BRIDGE (250 MW)	10/3	10/3
CACTUS WEST	N/A	WHIP	2.1	902-928	1.0	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
CACTUS WEST	N/A	WHIP	2.1	2400-2483.5	0.5	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3

N/A = Not assigned

Building Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE/ UNRELIABLE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
CACTUS WEST CACTUS WEST)	N/A	PARABOLIC	0.0	2000-2200	0.8	RACON 5005E	10/3	10/3
COYOTE PEAK	N/A	WHIP	2.1	902-928	1.0	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
COYOTE PEAK	N/A	WHIP	2.1	2400-2483.5	0.5	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
COYOTE PEAK	N/A	WHIP	2.1	225-400	50.0	AN/URC-200 (UHF) (FM MEDIUM/AM LOW)	29/9	10/3
COYOTE PEAK	N/A	MONOPOLE	0	225-399.995	1	AN/URC-200 (UHF) (WITH UPA-50)	115/35	29/9
CV1, CV2, CV3	N/A	DIPOLE	2.1	1700-1900	5.0	USQ/T19A	10/3	10/3
CV1, CV2, CV3	N/A	PARABOLIC	24.0	1700-1900	5.0	USQ/T19A	60/18	15/5
DRY WELLS	N/A	DIPOLE	2.1	1750-1900	5.0	OR-117(V)/TSQ-T4	10/3	10/3
EW 11	ILLUMINATOR	PARABOLIC	38	7800-8500	325000	RS-565 (TRACKING)	16679/5085	4168/1271
ST GATE (CALA)	PARABOLIC		22.3	35112-35889	0.1	STS PERIMETER SURVEILLANCE RADAR SYSTEM (PSRS) (FMCW)	10/3	10/3
ST GATE (CALA)	PARABOLIC		22.3	35112-35889	0.08	STS PERIMETER SURVEILLANCE RADAR SYSTEM (PSRS) [FMCW (TYPICAL)]	10/3	10/3
EW 11 (EW 11)	ILLUMINATOR	PARABOLIC	38.0	6500-7050	2000.0	RS-565 (GUIDANCE)	1570/479	392/120
EW 11 (EW 11)	ILLUMINATOR	PARABOLIC	38.0	6500-7050	3000.0	RS-565 (GUIDANCE)	1603/489	400/122
EW 19 (EW 19)	N/A	FRESNEL LENS	32.0	8500-9600	125000.0	AN/MSQ-77	4757/1450	1189/362
EW 20	YAGI	YAGI	10.0	905-925	0.08	CYLINK MP64	10/3	10/3
EW 20	N/A	PARABOLIC	24.0	13400-14000	75900.0	AN/GPQ-11(V) 10	936/285	234/71
EW 21	YAGI	YAGI	10.0	905-925	0.08	CYLINK MP64	10/3	10/3
EW 21	AN/GPQ-11(V)6	PARABOLIC	40.5	16000-17140	29.5	AN/GPQ-11(V)6 (GUIDANCE)	103/31	26/8
EW 21	AN/GPQ-11(V)6	PARABOLIC	40.5	16000-17140	77620.0	AN/GPQ-11(V)6 (TRACKING)	5299/1616	1324/404
EW 22	AN/GPQ-11(V) 1	PARABOLIC	40.7	12600-13300	61660.0	AN/GPQ-11(V) 1	6137/1871	1534/468
EW 22	AN/GPQ-11(V) 1	PARABOLIC	40.7	14700-15200	14100.0	AN/GPQ-11(V) 1 (TRACKING)	2516/767	628/192
EW 22	YAGI	YAGI	10.0	905-925	0.08	CYLINK MP64	10/3	10/3
EW 23	YAGI	YAGI	10.0	905-925	0.08	CYLINK MP64	10/3	10/3
EW 23	AN/GPQ-11(V) 3	PARABOLIC	39.6	1000-1060	1020.0	AN/GPQ-11(V)3 (GUIDANCE)	8763/2672	2190/668
EW 23	AN/GPQ-11(V) 3	PARABOLIC	39.6	8500-9628	60000.0	AN/GPQ-11(V)3 (TRACKING)	7907/2411	1976/602
EW 26	AN/GPQ-11(V) 1	PARABOLIC	40.7	12600-13300	61660.0	AN/GPQ-11(V)1 (GUIDANCE)	6137/1871	1534/468
EW 26	AN/GPQ-11(V) 1	PARABOLIC	40.7	14700-15200	14100.0	AN/GPQ-11(V)1 (TRACKING)	2516/767	629/192
EW 26	YAGI	YAGI	10.0	905-925	0.08	CYLINK MP64	10/3	10/3
EW 27	AN/GPQ-11(V) 2	PARABOLIC	40.7	7500-8000	259000.0	AN/GPQ-11(V)2 (TRACKING)	21137/6442	5281/1610
EW 27	AN/GPQ-11(V) 2	PARABOLIC	40.7	6970-7050	1840.0	AN/GPQ-11(V)2 (GUIDANCE)	1917/584	479/146
EW 27	YAGI	YAGI	10.0	905-925	0.08	CYLINK MP64	10/3	10/3
EW 28	YAGI	YAGI	10.0	905-925	0.08	CYLINK MP64	10/3	10/3

N/A = Not assigned

Building Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances: HERO UNSAFE/ UNRELIABLE ORDNANCE (feet/meters)	Separation Distances: HERO SUSCEPTIBLE ORDNANCE (feet/meters)
EW 28	N/A	PARABOLIC	24.0	13400-14000	75900.0	AN/GPQ-11(V)10	936/285	234/71
EW 29	AN/GPQ-11(V)6	PARABOLIC	40.5	16000-17140	29.5	AN/GPQ-11(V)6 (GUIDANCE)	103/31	26/8
EW 29	AN/GPQ-11(V)6	PARABOLIC	40.5	16000-17140	77620.0	AN/GPQ-11(V)6 (TRACKING)	5299/1616	1324/404
EW 29	YAGI	YAGI	10.0	905-925	0.08	CYLINK MP64	10/3	10/3
EW 30	N/A	PARABOLIC	24.0	7000-20000	2.0	OMEGA 7DM	10/3	10/3
EW 30	YAGI	YAGI	10.0	905-925	0.08	CYLINK MP64	10/3	10/3
EW 30	N/A	WHIP	2.1	225-400	50.0	AN/URC-200 (UHF) (WITH UPA-50)	115/35	29/9
EW 30	AN/GPQ-11(V) 1	PARABOLIC	40.7	12600-13300	61660.0	AN/GPQ-11(V)1 (GUIDANCE)	6137/1871	1534/468
EW 30	AN/GPQ-11(V) 1	PARABOLIC	40.7	14700-15200	14100.0	AN/GPQ-11(V) 1 (TRACKING)	2516/767	628/192
EW 30 (EW 30)	N/A	PARABOLIC	40.0	21200-23600	0.02	SW MICROWAVE 2900	10/3	10/3
EW 30 (EW 30)	N/A	WHIP	17.0	2400-2450	0.8	LONG RANGER 2020	10/3	10/3
EW 32 (EW 32)	N/A	PARABOLIC	36.0	8500-17200	300.0	AN/GP-11(V)7	369/113	92/28
EW 32A	YAGI	YAGI	10.0	905-925	0.08	CYLINK MP64	10/3	10/3
EW 32B	YAGI	YAGI	10.0	905-925	0.08	CYLINK MP64	10/3	10/3
EW 33	AN/GPQ-11(V)3	PARABOLIC	39.6	8500-9628	60000.0	AN/GPQ-11(V)3 (TRACKING)	7907/2411	1976/602
EW 33	AN/GPQ-11(V)3	PARABOLIC	39.6	1000-1060	1020.0	AN/GPQ-11(V)3 (GUIDANCE)	8763/2672	2190/668
EW 33	YAGI	YAGI	10.0	905-925	0.08	CYLINK MP64	10/3	10/3
EW 34	YAGI	YAGI	10.0	905-925	0.08	CYLINK MP64	10/3	10/3
EW 34	AN/GPQ-11(V) 1	PARABOLIC	40.7	12600-13300	61660.0	AN/GPQ-11(V)1 (GUIDANCE)	6137/1871	1534/468
EW 34	AN/GPQ-11(V) 1	PARABOLIC	40.7	14700-15200	14100.0	AN/GPQ-11(V) 1 (TRACKING)	2516/767	628/192
EW 35	AN/GPQ-11(V) 2	PARABOLIC	40.7	6970-7050	1840.0	AN/GPQ-11(V)2 (GUIDANCE)	1917/584	479/146
EW 35	AN/GPQ-11(V) 2	PARABOLIC	40.7	7500-8000	259000.0	AN/GPQ-11(V)2 (TRACKING)	21137/6442	5281/1610
EW 35	YAGI	YAGI	10.0	905-925	0.08	CYLINK MP64	10/3	10/3
EW 36 (EW 36)	ILLUMINATOR	PARABOLIC	40.0	7800-8500	325000.0	RS-565 (TRACKING)	20998/6402	5248/1600
EW 36 (EW 36)	ILLUMINATOR	PARABOLIC	40.0	6500-7050	2000.0	RS-565 (GUIDANCE)	1977/603	494/151
EW 37	N/A	WHIP	2.1	225-400	50.0	AN/URC-200 (UHF) (WITH UPA-50)	115/35	29/9
EW 37	N/A	PARABOLIC	24.0	12680-12740	10000.0	AN/MSQ-T43(V)4	359/109	90/27
EW 37	N/A	PARABOLIC	24.0	14500-15500	125000.0	AN/MSQ-T43(V)4	1110/338	277/85
EW 37	N/A	PARABOLIC	24.0	6950-8380	2500.0	AN/MSQ-T43(V) 1	328/100	82/25
EW 37	N/A	PARABOLIC	24.0	7825-8360	325000.0	AN/MSQ-T43(V)1 (TRACKING)	3317/1011	829/253
EW 38	N/A	WHIP	2.1	225-400	50.0	AN/URC-200 (UHF) (WITH UPA-50)	115/35	29/9
EW 38 (EW 38)	N/A	PARABALOID	40.0	2700-3100	0.001	AN/MPS-T9	10/3	10/3
EW 38 (EW 38)	N/A	DIPOLE	18.0	1020-1041	2000.0	AN/MPS-T9 (IFF)	1001/305	250/76
EW 40	N/A	WHIP	2.1	225-400	50.0	AN/URC-200 (UHF) (WITH UPA-50)	115/35	29/9
EW 40 (EW40)	N/A	PARABOLIC	41.0	2000-18000	3000.0	AN/MST-13	8828/2691	2206/673

N/A = Not assigned

Building Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE/ UNRELIABLE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
EW 40 (EW 40)	N/A	PARABOLIC	41.0	2700-2900	3000.0	AN/MPS-14	6539/1994	1634/498
EW BASE	BIRD TECHBA-40-57-DIN	DIPOLE	3.0	350-420	110.0	MOTOROLA XTL 5000 (350-470 MHZ) (HIGH POWER)	122/37	30/9
MOHAWK	N/A	DIPOLE	2.1	1750-1900	5.0	OR-117(V)/TSQ-T4	10/3	10/3
MOHAWK	N/A	WHIP	2.1	902-928	1.0	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
MOHAWK	N/A	WHIP	2.1	2400-2483.5	0.5	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
MOVING SANDS	N/A	WHIP	2.1	902-928	1.0	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
MOVING SANDS	N/A	WHIP	2.1	2400-2483.5	0.5	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
N2	N/A	WHIP	2.1	902-928	1.0	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
N2	N/A	WHIP	2.1	2400-2483.5	0.5	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
N4	N/A	WHIP	2.1	902-928	1.0	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
N4	N/A	WHIP	2.1	2400-2483.5	0.5	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
RAVEN BUTTE	N/A	WHIP	2.1	902-928	1.0	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
RAVEN BUTTE	N/A	WHIP	2.1	2400-2483.5	0.5	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
RAVEN BUTTE	N/A	DIPOLE	2.1	1750-900	5.0	OR-117(V)/TSQ-T4	10/3	10/3
S1	N/A	WHIP	2.1	902-928	1.0	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
S1	N/A	WHIP	2.1	2400-2483.5	0.5	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
S2	N/A	WHIP	2.1	902-928	1	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
S2	N/A	WHIP	2.1	2400-2483.5	0.5	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
S3	N/A	WHIP	2.1	902-928	1	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
S3	N/A	WHIP	2.1	2400-2483.5	0.5	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
SALTERS HILL	N/A	DIPOLE	2.1	1750-1900	5.0	OR-117(V)/TSQ-T4	10/3	10/3
SALTERS HILL	N/A	WHIP	2.1	902-928	1.0	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
SALTERS HILL	N/A	WHIP	2.1	2400-2483.5	0.5	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
SHEEP HILL	N/A	WHIP	2.1	902-928	1.0	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
SHEEP HILL	N/A	WHIP	2.1	2400-2483.5	0.5	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
SHEEP HILL	N/A	DIPOLE	2.1	1750-1900	5.0	OR-117(V)/TSQ-T4	10/3	10/3
TASET (HOTEL)	N/A	WHIP	2.1	225-400	50.0	AN/URC-200 (UHF) (WITH UPA-50)	115/35	29/9
TASET (INDIA)	N/A	PARABOLIC	30.0	21200-23600	0.02	SW MICROWAVE 800	10/3	10/3
TASET (INDIA)	N/A	WHIP	2.1	116-150	5.0	AN/URC-101 (VHF HI)	71/22	18/5

N/A = Not assigned

Encl (6)

Building Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE/ UNRELIABLE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
TASET (INDIA)	N/A	WHIP	2.1	225-400	20.0	AN/URC-101 (UHF FM HIGH)	73/22	18/6
ELEGRAPH PASS	N/A	PARABOLIC	24.0	6000-8000	0.71	HARRIS ECLIPSE CONSTELLATION 6-8 GHZ, 16 X DS1	10/3	10/3
ELEGRAPH PASS (TOWER)	BIRD TECH BA-40-57-DIN	DIPOLE	3.0	380-420	110.0	MOTOROLA QUANTAR STATION/REPEATER (380-520 MHZ) (X640)	112/34	28/9
ELEGRAPH PASS (TOWER)	BIRD TECH BA-40-57-DIN	DIPOLE	3.0	400-420	25.0	MOTOROLA QUANTAR STATION/REPEATER (380-520 MHZ) (X240)	50/15	13/4
ELEGRAPH PASS (TOWER)	BIRD TECH BA-40-57-DIN	DIPOLE	3.0	380-400	110.0	MOTOROLA GTR 8000 BASE RADIO (380-400 MHZ)	112/34	28/9
ELEGRAPH PASS (TOWER)	CUSHCRAFT RINGO CRS SERIES	WHIP	2.0	30-88	20.0	AN/PRC-148(V)(C) MBITR (W/MA6943)	203/62	51/15
ELEGRAPH PASS (TOWER)	TACO D2211 (UHF)	MULDIPOL	0.0	225-400	20.0	AN/PRC-148(V)(C) MBITR (W/MA6943)	57/17	14/4
ELEGRAPH PASS (TOWER)	RACAL 4007-900-01	WHIP	2.1	30-88	20.0	AN/PRC-148(V)(C) MBITR (W/MA6943)	205/63	51/16
ELEGRAPH PASS (TOWER)	TACO D2211 (VHF)	MULDIPOL	0.0	108-174	20.0	AN/PRC-148(V)(C) MBITR (W/MA6943)	119/36	30/9
ELEGRAPH PASS (TOWER)	TACO D2211	WHIP	0.0	108-512	20.0	AN/PRC-148(V)(C) MBITR (W/MA6943)	119/36	30/9
WELLTON	N/A	DIPOLE	2.1	1750-1900	5.0	OR-117(V)/TSQ-T4	10/3	10/3
YODAVILLE	N/A	PARABOLIC	24.0	6000-8000	0.71	HARRIS ECLIPSE CONSTELLATION 6-8 GHZ, 16 X DS1	10/3	10/3
YODAVILLE	N/A	PARABOLIC	40.0	2000-2200	0.8	RACON 5005E	128/39	32/10
YODAVILLE	N/A	YAGI	1.5	420-450	50.0	AN/URW-19	57/18	14/4
V BASE (MOBILE)	N/A	PARABOLIC	36.0	12800-13300	40000.0	RS-565	2832/864	708/216
V BASE (MOBILE)	N/A	PARABOLIC	37.0	14000-15200	100000.0	RS-565	4594/1401	1148/350
V BASE (MOBILE)	N/A	PARABOLIC	38.0	7800-8500	325000.0	RS-565	16679/5085	4168/1271
V BASE (MOBILE)	N/A	PARABOLIC	31.0	14600-15200	4000.0	AN/VPQ-1 TRTG-2	442/135	110/34
V BASE (MOBILE)	N/A	PARABOLIC	33.0	2900-3100	60000.0	RS-565	10840/3305	2709/826
MOBILE AND PORTABLE TRANSMITTERS								
MOBILE	AS-2259/GR	NVIS	6.0	2-30	400.0	AN/GRC-193 (HIGH)	1437/438	359/109
MOBILE	AS-3900A/VRC	WHIP	1.0	30-80	50.0	AN/MRC-145 (HIGH)	286/87	71/22
MOBILE	AS-2259/GR	NVIS	6.0	2-30	400.0	HARRIS RF-5800H-MP (RF-5834H AMPLIFIER)	1437/438	359/109
MOBILE	AS-2259/GR	NVIS	6.0	2-30	20.0	HARRIS RF-5800H-MP	321/98	80/24
MOBILE	AS-2259/GR	NVIS	6.0	2-30	5.0	HARRIS RF-5800H-MP	161/49	40/12
MOBILE	AS-2259/GR	NVIS	6.0	2-30	1.0	HARRIS RF-5800H-MP	72/22	18/5
MOBILE	AS-2259/GR	NVIS	6.0	30	20.0	HARRIS RF-5800H-MP	321/98	80/24
MOBILE	AS-2259/GR	NVIS	6.0	30	5.0	HARRIS RF-5800H-MP	161/49	40/12
MOBILE	AS-2259/GR	NVIS	6.0	30	1.0	HARRIS RF-5800H-MP	72/22	18/5
MOBILE	AT-197A/GR	BROADBAND	1.8	225-400	50.0	AN/GRC-171(V)1 (FM)	111/34	28/8
MOBILE	N/A	DIPOLE	2.1	824-849	3.0	CELLULAR TELEPHONE (MOBILE) [ANALOG (AMPS)]	10/3	10/3
MOBILE	UVU-130	WHIP	2.5	116-150	5.0	PET 2000	74/23	18/6

N/A = Not assigned

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MOBILE	UVU-130	WHIP	2.5	225-400	20.0	PET 2000	76/23	19/6
MOBILE	N/A	WHIP	2.1	116-150	10.0	AN/PRC-113(V) (LOW)	100/30	25/8
MOBILE	N/A	WHIP	2.1	225-400	10.0	AN/PRC-113(V) (HIGH)	51/16	13/4
MOBILE	N/A	WHIP	2.1	30-88	2.0	AN/PRC-68B	65/20	16/5
MOBILE	N/A	WHIP	2.1	30-88	50.0	AN/PRC-119 (WITH AMP)	324/99	81/25
MOBILE	N/A	WHIP	2.1	30-88	4.5	AN/PRC-119	97/30	24/7
MOBILE	AT-1011/U	32-FOOT WHIP	2.1	2-30	400.0	AN/MRC-138 (HIGH)	917/280	229/70
MOBILE	AT-1011/U	32-FOOT WHIP	2.1	2-30	100.0	AN/MRC-138 (LOW)	458/140	115/35
MOBILE	AS-2980/TYQ-3		10.0	2-30	1000.0	AN/URC-97(V) (HIGH)	3600/1098	900/274
MOBILE	AT-1011/U	32-FOOT WHIP	2.1	2-30	400.0	AN/GRC-193 (HIGH)	917/280	229/70
MOBILE	AT-1011/U	32-FOOT WHIP	2.1	2-30	100.0	AN/GRC-193 (LOW)	458/140	115/35
MOBILE	OE-340	PHASED ARRAY	39.0	1215-1400	8000.0	AN/TPS-59(V)1	18850/5747	4711/1436
MOBILE	AS-3976		1.5	30-76	35.0	AN/VRC-47 (HIGH)	253/77	63/19
MOBILE	AS-3976		1.5	30-76	8.0	AN/VRC-47 (LOW)	121/37	30/9
MOBILE	AS-177B/UPX	MODIFIED DIPOLE	2.8	1030	20.0	AN/UPX-27	17/5	10/3
MOBILE	AS-3977 (225-400 MHZ)	DIPOLE	5.0	225-400	50.0	AN/GRC-171(V)1 (FM)	161/49	40/12
MOBILE	AS-3977 (225-400 MHZ)	DIPOLE	5.0	225-400	20.0	AN/GRC-171(V)1 (AM)	102/31	25/8
MOBILE	AS-3900A/VRC	WHIP	1.0	30-80	50.0	AN/VRC-90A	286/87	71/22
MOBILE	AS-3900A/VRC	WHIP	1.0	30-80	50.0	AN/MRC-145 (HIGH)	286/87	71/22
MOBILE	AS-3900A/VRC	WHIP	1.0	30-80	10.0	AN/MRC-145 (LOW)	128/39	32/10
MOBILE	AS-2259/GR	NVIS	6.0	2-30	20.0	AN/PRC-104 (SSB)	321/98	80/24
MOBILE	AS-3567/PSC-3 (HIGH)	CROSSED DIPOLE	5.5	318-400	35.0	AN/PSC-3 (SATCOM)	101/31	25/8
MOBILE	AS-3567/PSC-3 (HIGH)	CROSSED DIPOLE	5.5	318-400	2.0	AN/PSC-3 (LOS)	24/7	10/3
MOBILE	AS-3900A/VRC	WHIP	1.0	30-80	50.0	AN/VRC-89A	286/87	71/22
MOBILE	AS-1729/VRC	WHIP ANTENNA	2.1	30-76	50.0	AN/VRC-89A	324/99	81/25
MOBILE	WHIP	WHIP	2.1	132-158	35.0	AN/VRC-82(V) 1	164/50	41/12
MOBILE	OE-468/GRC (AS-3954/TRC)		38.5	4400-5000	1000.0	AN/TRC-170(V)3 (TROPO MODE)	1737/530	434/132
MOBILE	OE-468/GRC (AS-3954/TRC)	PARABOLIC	38.5	4400-5000	0.4	AN/TRC-170(V)3 (LOS)	35/11	10/3
MOBILE	AS-3047/GRC-103		16.0	1350-1850	3.0	AN/MRC-142	23/7	10/3
MOBILE	AS-177B/UPX	MODIFIED DIPOLE	2.8	1030	20.0	AN/UPX-27	17/5	10/3
MOBILE	OE-340	PHASED ARRAY	39.0	1215-1400	8000.0	AN/TPS-59(V)1	18850/5747	4711/1436
MOBILE	AS-3236	PARABOLIC	32.5	1250-1350	3018.6	AN/TPS-63 (FULL POWER MODE)	5325/1624	1331/406
MOBILE	AS-3236	PARABOLIC	32.5	1250-1350	2012.4	AN/TPS-63 (MEDIUM POWER MODE)	4348/1326	1087/331
MOBILE	AS-3236	PARABOLIC	32.5	1250-1350	1006.2	AN/TPS-63 (LOW POWER MODE)	3074/937	768/234
MOBILE	TACO D2221	MULDIPOL	1.0	225-400	50.0	AN/GRC-171(V)1 (FM)	101/37	25/8
MOBILE	TACO D2221	MULDIPOL	1.0	225-400	20.0	AN/GRC-171(V)1 (AM)	64/20	16/5
MOBILE	AS-3588	WHIP	2.1	116-150	10.0	AN/VRC-83(V)2 (VHF)	100/30	25/8
MOBILE	AS-3588	WHIP	2.1	225-400	10.0	AN/VRC-83(V)2 (UHF)	51/16	13/4
MOBILE	AS-3471	PHASED ARRAY	39.0	9000-9200	180.0	AN/TPN-22	382/116	95/29

N/A = Not assigned

Building Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE/ UNRELIABLE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
MOBILE	OB-449/TPS-73	PARABOLIC	34.0	2705-2895	1100.0	AN/TPS-73	1765/538	441/135
MOBILE	AT-1011/U	32-FOOT WHIP	2.1	2-30	400.0	AN/MRC-138 (HIGH)	917/280	229/70
MOBILE	AT-1011/U	32-FOOT WHIP	2.1	2-30	100.0	AN/MRC-138 (LOW)	458/140	115/35
MOBILE	AS-3588	WHIP	2.1	116-150	10.0	AN/VRC-83(V)2 (VHF)	100/30	25/8
MOBILE	AS-3588	WHIP	2.1	225-400	10.0	AN/VRC-83(V)2 (UHF)	51/16	13/4
MOBILE	AS-390/SRC	COAXIAL STUB	2.1	225-400	10.0	AN/PRC-113(V) (HIGH)	51/16	13/4
MOBILE	OB-449/TPS-73	PARABOLIC	34.0	2705-2895	1100.0	AN/TPS-73	1765/538	441/135
MOBILE	N/A	STUB	0.9	902-928	1.0	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
MOBILE	N/A	STUB	0.9	2400-2483.5	0.5	INTUICOM DIO WIRELESS TRANSCEIVER	10/3	10/3
MOBILE	AS-3684/MRC	DIPOLE	2.1	30-88	50.0	AN/VRC-89A	324/99	81/25
MOBILE	AT-197A/OR	BROADBAND	1.8	225-400	50.0	AN/GRC-171(V)1 (FM)	111/34	28/8
MOBILE	AT-197A/OR	BROADBAND	1.8	225-400	20.0	AN/GRC-171(V)1 (AM)	70/21	18/5
MOBILE	AT-1011/U	32-FOOT WHIP	2.1	2-30	400.0	HARRIS RF-5800H-MP (RF-5834H AMPLIFIER)	917/280	229/70
MOBILE	AT-1011/U	32-FOOT WHIP	2.1	2-30	20.0	HARRIS RF-5800H-MP	205/63	51/16
MOBILE	AT-1011/U	32-FOOT WHIP	2.1	2-30	5.0	HARRIS RF-5800H-MP	103/31	26/8
MOBILE	AT-1011/U	32-FOOT WHIP	2.1	2-30	1.0	HARRIS RF-5800H-MP	46/14	11/3
MOBILE	AT-1011/U	32-FOOT WHIP	2.1	30	20.0	HARRIS RF-5800H-MP	205/63	51/16
MOBILE	AT-1011/U	32-FOOT WHIP	2.1	30	5.0	HARRIS RF-5800H-MP	103/31	26/8
MOBILE	AT-1011/U	32-FOOT WHIP	2.1	30	1.0	HARRIS RF-5800H-MP	46/14	11/3
MOBILE	AS-1729/VRC	WHIP ANTENNA	2.1	30-76	50.0	AN/MRC-145 (HIGH)	324/99	81/25
MOBILE	AS-1729/VRC	WHIP ANTENNA	2.1	30-76	10.0	AN/MRC-145 (LOW)	145/44	36/11
MOBILE	AS-2259/OR	NVIS	6.0	2-30	400.0	AN/GRC-193 (HIGH)	1437/438	359/109
MOBILE	AS-2259/OR	NVIS	6.0	2-30	100.0	AN/GRC-193 (LOW)	718/219	180/55
MOBILE	AS-3900A/VRC	WHIP	1.0	30-80	50.0	AN/MRC-145 (HIGH)	286/87	71/22
MOBILE	AS-3900A/VRC	WHIP	1.0	30-80	10.0	AN/MRC-145 (LOW)	128/39	32/10
MOBILE	AT-1011/U	32-FOOT WHIP	2.1	2-30	400.0	AN/MRC-138 (HIGH)	917/280	229/70
MOBILE	AT-1011/U	32-FOOT WHIP	2.1	2-30	100.0	AN/MRC-138 (LOW)	458/140	115/35
MOBILE	AS-2980/TYQ-3		10.0	2-30	1000.0	AN/URC-97(V) (HIGH)	3600/1098	900/274
MOBILE	AS-2980/TYQ-3		10.0	2-30	500.0	AN/URC-97(V) (MID)	2546/776	636/194
MOBILE	AS-2980/TYQ-3		10.0	2-30	100.0	AN/URC-97(V) (LOW)	1138/347	285/87
MOBILE	AS-2259/OR	NVIS	6.0	2-30	20.0	AN/PRC-104 (SSB)	321/98	80/24
MOBILE	AS-1729/VRC	WHIP ANTENNA	2.1	30-76	50.0	AN/VRC-89A	324/99	81/25
MOBILE (ATC)	PARABOLIC	PARABOLIC	68.8	15412-15688	1056.0	AN/TPN-30	16684/5087	4170/1271
OBILE (CANNON OMPLEX P-111)	TRIVEC AVANT AV 2011	FOLDABLE, HIGH GAIN, UHF SATCOM	15.0	291-318	50.0	AN/PRC-117F(C) (SATCOM) [AN/VRC-104(V)1 ADAPTOR] (AMPLIFIER)	393/120	98/30
OBILE (CANNON OMPLEX P-111)	HARRIS 10369-0205	WHIP	2.1	90	75.0	AN/PRC-117F(C) (W/MIK-21-75 AMP)	352/107	88/27
OBILE (CANNON OMPLEX P-111)	HARRIS 10369-0205	WHIP	2.1	90	75.0	AN/PRC-117F(C) (W/RAMP-75 AMP)	352/107	88/27
OBILE (CANNON OMPLEX P-111)	HARRIS 10369-0205	WHIP	2.1	90-400	75.0	AN/PRC-117F(C) (W/MIK-21-75 AMP)	352/107	88/27
OBILE (CANNON OMPLEX P-111)	HARRIS 10369-0205	WHIP	2.1	90-400	75.0	AN/PRC-117F(C) (W/RAMP-75 AMP)	352/107	88/27

N/A = Not assigned

Building Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances: HERO UNSAFE/ UNRELIABLE ORDNANCE (feet/meters)	Separation Distances: HERO SUSCEPTIBLE ORDNANCE (feet/meters)
OBILE (CANNON OMPLEX P-111)	HARRIS 10369-0205	WHIP	2.1	400-512	75.0	AN/PRC-117F(C) (W/MIK-21-75 AMP)	79/24	20/6
OBILE (CANNON OMPLEX P-111)	HARRIS 10369-0205	WHIP	2.1	400-512	75.0	AN/PRC-117F(C) (W/RAMP-75 AMP)	79/24	20/6
OBILE (CANNON OMPLEX P-111)	HARRIS 10369-0205	WHIP	2.1	90	10.0	AN/PRC-117G(V)1(C) [VHF LOW (NARROWBAND)]	129/39	32/10
OBILE (CANNON OMPLEX P-111)	HARRIS 10369-0205	WHIP	2.1	90-512	50.0	AN/PRC-117G(V)1(C) [RF-7800M-AD250 (NARROWBAND)]	287/88	75/22
OBILE (CANNON OMPLEX P-111)	HARRIS 10369-0205	WHIP	2.1	90-225	10.0	AN/PRC-117G(V)1(C) [VHF HIGH (NARROWBAND)]	129/39	32/10
OBILE (CANNON OMPLEX P-111)	HARRIS 10369-0205	WHIP	2.1	225-512	20.0	AN/PRC-117G(V)1(C) [RF-7800M-AD250 (WIDEBAND)]	73/22	18/6
OBILE (CANNON OMPLEX P-111)	HARRIS 10369-0205	WHIP	2.1	292-318	50.0	AN/PRC-117G(V)1(C) [RF-7800M-AD250 (SATCOM)]	89/27	22/7
OBILE (CANNON OMPLEX P-111)	HARRIS 10512-0240-01	WHIP	2.1	30-90	75.0	AN/PRC-117F(C) (W/MIK-21-75 AMP)	397/121	99/30
OBILE (CANNON OMPLEX P-111)	HARRIS 10512-0240-01	WHIP	2.1	30-90	75.0	AN/PRC-117F(C) (W/RAMP-75 AMP)	397/121	99/30
OBILE (CANNON OMPLEX P-111)	HARRIS 10512-0240-01	WHIP	2.1	90-108	75.0	AN/PRC-117F(C) (W/MIK-21-75 AMP)	352/107	88/27
OBILE (CANNON OMPLEX P-111)	HARRIS 10512-0240-01	WHIP	2.1	90-108	75.0	AN/PRC-117F(C) (W/RAMP-75 AMP)	352/107	88/27
OBILE (CANNON OMPLEX P-111)	HARRIS RF-390	VEHICULAR WHIP	3.1	30-90	75.0	AN/PRC-117F(C) (W/MIK-21-75 AMP)	445/136	111/34
OBILE (CANNON OMPLEX P-111)	HARRIS RF-390	VEHICULAR WHIP	3.1	30-90	75.0	AN/PRC-117F(C) (W/RAMP-75 AMP)	445/136	111/34
OBILE (CANNON OMPLEX P-111)	HARRIS RF-390	VEHICULAR WHIP	3.1	90-400	75.0	AN/PRC-117F(C) (W/MIK-21-75 AMP)	395/120	99/30
OBILE (CANNON OMPLEX P-111)	HARRIS RF-390	VEHICULAR WHIP	3.1	90-400	75.0	AN/PRC-117F(C) (W/RAMP-75 AMP)	395/120	99/30
OBILE (CANNON OMPLEX P-111)	HARRIS RF-390	VEHICULAR WHIP	3.1	400-512	75.0	AN/PRC-117F(C) (W/MIK-21-75 AMP)	89/27	22/7
OBILE (CANNON OMPLEX P-111)	HARRIS RF-390	VEHICULAR WHIP	3.1	400-512	75.0	AN/PRC-117F(C) (W/RAMP-75 AMP)	89/27	22/7
OBILE (CANNON OMPLEX P-111)	HARRIS RF-390	VEHICULAR WHIP	3.1	30-90	10.0	AN/PRC-117G(V)1(C) [VHF LOW (NARROWBAND)]	163/50	41/12
OBILE (CANNON OMPLEX P-111)	HARRIS RF-390	VEHICULAR WHIP	3.1	30-512	50.0	AN/PRC-117G(V)1(C) [RF-7800M-AD250 (NARROWBAND)]	364/111	91/28
OBILE (CANNON OMPLEX P-111)	HARRIS RF-390	VEHICULAR WHIP	3.1	90-225	10.0	AN/PRC-117G(V)1(C) [VHF HIGH (NARROWBAND)]	144/44	36/11
OBILE (CANNON OMPLEX P-111)	HARRIS RF-390	VEHICULAR WHIP	3.1	225-512	20.0	AN/PRC-117G(V)1(C) [RF-7800M-AD250 (WIDEBAND)]	82/25	20/6
OBILE (CANNON OMPLEX P-111)	HARRIS RF-390	VEHICULAR WHIP	3.1	292-318	50.0	AN/PRC-117G(V)1(C) [RF-7800M-AD250 (SATCOM)]	99/30	25/8
OBILE (CANNON OMPLEX P-111)	TACO D2218	MULDIPOL	1.0	116-399	50.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (50-WATT AMPLIFIER)	197/60	49/15
OBILE (CANNON OMPLEX P-111)	TACO D2218	MULDIPOL	1.0	400	50.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (50-WATT AMPLIFIER)	57/17	14/4

N/A = Not assigned

Building Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances: HERO UNSAFE/ UNRELIABLE ORDNANCE (feet/meters)	Separation Distances: HERO SUSCEPTIBLE ORDNANCE (feet/meters)
OBILE (CANNON OMPLEX P-111)	AS-3977 (225-400 MHZ)	DIPOLE	5.0	225-399	50.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (50-WATT AMPLIFIER]	161/49	40/12
OBILE (CANNON OMPLEX P-111)	AS-3977 (225-400 MHZ)	DIPOLE	5.0	400	50.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (50-WATT AMPLIFIER	90/28	23/7
OBILE (CANNON OMPLEX P-111)	AS-3977 (30-88 MHZ)	DIPOLE	2.1	30-88	50.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (50-WATT AMPLIFIER	324/99	81/25
OBILE (CANNON OMPLEX P-111)	AS-3976		1.5	30-89	50.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (50-WATT AMPLIFIER	303/92	76/23
OBILE (CANNON OMPLEX P-111)	AS-3976		1.5	90-399	50.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (50-WATT AMPLIFIER	268/82	67/20
OBILE (CANNON OMPLEX P-111)	AS-3976		1.5	400-512	50.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (50-WATT AMPLIFIER	60/18	15/5
OBILE (CANNON OMPLEX P-111)	MBITR VHF LOW	WHIP	0.0	30-88	20.0	AN/PRC-148(V)(C) MBITR (W/MA6943)	161/49	40/12
OBILE (CANNON OMPLEX P-111)	MBITR BROADBAND	WHIP	0.0	30-512	20.0	AN/PRC-148(V)(C) MBITR (W/MA6943)	161/49	40/12
OBILE (CANNON OMPLEX P-111)	AS-3685/VRC	DIPOLE	0.0	30-88	50.0	AN/MRC-145 (HIGH)	255/78	64/19
OBILE (CANNON OMPLEX P-111)	AS-3685/VRC	DIPOLE	0.0	30-88	50.0	AN/VRC-87 (WITH AMP)	255/78	64/19
OBILE (CANNON OMPLEX P-111)	AS-3685/VRC	DIPOLE	0.0	30-88	50.0	AN/VRC-88A (WITH AMP)	255/78	64/19
OBILE (CANNON OMPLEX P-111)	AS-3685/VRC	DIPOLE	0.0	30-88	50.0	AN/VRC-89A	255/78	64/19
OBILE (CANNON OMPLEX P-111)	AS-3685/VRC	DIPOLE	0.0	30-88	50.0	AN/VRC-90A	255/78	64/19
OBILE (CANNON OMPLEX P-111)	AS-3685/VRC	DIPOLE	0.0	30-87.95	50.0	AN/VRC-91A (WITH AMP)	255/78	64/19
OBILE (CANNON OMPLEX P-111)	AS-3685/VRC	DIPOLE	0.0	30-88	50.0	AN/VRC-92A (AM-7238 (AMP))	255/78	64/19
OBILE (CANNON OMPLEX P-111)	AS-3685/VRC	DIPOLE	0.0	30-88	50.0	AN/PRC-119 (WITH AMP)	255/78	64/19
OBILE (CANNON OMPLEX P-111)	AS-3226B/URC	DIPOLE	0.0	30-88	50.0	AN/PRC-119 (WITH AMP)	255/78	64/19
OBILE (CANNON OMPLEX P-111)	AS-3226B/URC	DIPOLE	0.0	30-88	50.0	AN/MRC-145 (HIGH)	255/78	64/19
OBILE (CANNON OMPLEX P-111)	AS-3226B/URC	DIPOLE	0.0	30-88	50.0	AN/VRC-87 (WITH AMP)	255/78	64/19
OBILE (CANNON OMPLEX P-111)	AS-3226B/URC	DIPOLE	0.0	30-88	50.0	AN/VRC-88A (WITH AMP)	255/78	64/19
OBILE (CANNON OMPLEX P-111)	AS-3226B/URC	DIPOLE	0.0	30-88	50.0	AN/VRC-89A	255/78	64/19
OBILE (CANNON OMPLEX P-111)	AS-3226B/URC	DIPOLE	0.0	30-88	50.0	AN/VRC-90A	255/78	64/19
OBILE (CANNON OMPLEX P-111)	AS-3226B/URC	DIPOLE	0.0	30-87.95	50.0	AN/VRC-91A (WITH AMP)	255/78	64/19
OBILE (CANNON OMPLEX P-111)	AS-3226B/URC	DIPOLE	0.0	30-88	50.0	AN/VRC-92A [AM-7238 (AMP)]	255/78	64/19
OBILE (CANNON OMPLEX P-111)	AS-3684/MRC	DIPOLE	2.1	30-88	50.0	AN/PRC-119 (WITH AMP)	324/99	81/25

U/A = Not assigned

Building Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances: HERO UNSAFE/ UNRELIABLE ORDNANCE (feet/meters)	Separation Distances: HERO SUSCEPTIBLE ORDNANCE (feet/meters)
OBILE (CANNON OMPLEX P-111)	AS-3684/MRC	DIPOLE	2.1	30-88	50.0	AN/MRC-145 (HIGH)	324/99	81/25
OBILE (CANNON OMPLEX P-111)	AS-3684/MRC	DIPOLE	2.1	30-88	50.0	AN/VRC-87 (WITH AMP)	324/99	81/25
OBILE (CANNON OMPLEX P-111)	AS-3684/MRC	DIPOLE	2.1	30-88	50.0	AN/VRC-88A (WITH AMP)	324/99	81/25
OBILE (CANNON OMPLEX P-111)	AS-3684/MRC	DIPOLE	2.1	30-88	50.0	AN/VRC-89A	324/99	81/25
OBILE (CANNON OMPLEX P-111)	AS-3684/MRC	DIPOLE	2.1	30-88	50.0	AN/VRC-90A	324/99	81/25
OBILE (CANNON OMPLEX P-111)	AS-3684/MRC	DIPOLE	2.1	30-87.95	50.0	AN/VRC-91A (WITH AMP)	324/99	81/25
OBILE (CANNON OMPLEX P-111)	AS-3684/MRC	DIPOLE	2.1	30-88	50.0	AN/VRC-92A [AM-7238 (AMP)]	324/99	81/25
OBILE (CANNON OMPLEX P-111)	AS-4366A/U	DIPOLE	1.0	30-88	50.0	AN/PRC-119 (WITH AMP)	268/87	71/22
OBILE (CANNON OMPLEX P-111)	AS-4366A/U	DIPOLE	1.0	30-88	50.0	AN/MRC-145 (HIGH)	268/87	71/22
OBILE (CANNON OMPLEX P-111)	AS-4366A/U	DIPOLE	1.0	30-88	50.0	AN/VRC-87 (WITH AMP)	268/87	71/22
OBILE (CANNON OMPLEX P-111)	AS-4366A/U	DIPOLE	1.0	30-88	50.0	AN/VRC-88A (WITH AMP)	268/87	71/22
OBILE (CANNON OMPLEX P-111)	AS-4366A/U	DIPOLE	1.0	30-88	50.0	AN/VRC-89A	268/87	71/22
OBILE (CANNON OMPLEX P-111)	AS-4366A/U	DIPOLE	1.0	30-88	50.0	AN/VRC-90A	268/87	71/22
OBILE (CANNON OMPLEX P-111)	AS-4366A/U	DIPOLE	1.0	30-87.95	50.0	AN/VRC-91A (WITH AMP)	268/87	71/22
OBILE (CANNON OMPLEX P-111)	AS-4366A/U	DIPOLE	1.0	30-88	50.0	AN/VRC-92A (AM-7238 (AMP)	268/87	71/22
OBILE (CANNON OMPLEX P-111)	AS-3900A/VRC	WHIP	1.0	30-80	50.0	AN/PRC-119 (WITH AMP)	268/87	71/22
OBILE (CANNON OMPLEX P-111)	AS-3900A/VRC	WHIP	1.0	30-80	50.0	AN/VRC-87 (WITH AMP)	268/87	71/22
OBILE (CANNON OMPLEX P-111)	AS-3900A/VRC	WHIP	1.0	30-80	50.0	AN/VRC-88A (WITH AMP)	268/87	71/22
OBILE (CANNON OMPLEX P-111)	AS-3900A/VRC	WHIP	1.0	30-80	50.0	AN/VRC-89A	268/87	71/22
OBILE (CANNON OMPLEX P-111)	AS-3900A/VRC	WHIP	1.0	30-80	50.0	AN/VRC-90A	268/87	71/22
OBILE (CANNON OMPLEX P-111)	AS-3900A/VRC	WHIP	1.0	30-80	50.0	AN/VRC-91A (WITH AMP)	268/87	71/22
OBILE (CANNON OMPLEX P-111)	AS-3900A/VRC	WHIP	1.0	30-80	50.0	AN/VRC-92A (AM-7238 (AMP)	268/87	71/22
OBILE (CANNON OMPLEX P-111)	AS-3900A/VRC	WHIP	1.0	30-80	50.0	AN/MRC-145 (HIGH)	268/87	71/22
OBILE (CANNON OMPLEX P-111)	AS-3683	VERTICAL	1.5	30-88	50.0	AN/PRC-119 (WITH AMP)	303/92	76/23
OBILE (CANNON OMPLEX P-111)	AS-3683	VERTICAL	1.5	30-88	50.0	AN/VRC-87 (WITH AMP)	303/92	76/23
OBILE (CANNON OMPLEX P-111)	AS-3683	VERTICAL	1.5	30-88	50.0	AN/VRC-89A	303/92	76/23
OBILE (CANNON OMPLEX P-111)	AS-3683	VERTICAL	1.5	30-88	50.0	AN/VRC-90A	303/92	76/23

N/A = Not assigned

Building Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances: HERO UNSAFE/ UNRELIABLE ORDNANCE (feet/meters)	Separation Distances: HERO SUSCEPTIBLE ORDNANCE (feet/meters)
OBILE (CANNON OMPLEX P-111)	AS-3683	VERTICAL	1.5	30-87.95	50.0	AN/VRC-91A (WITH AMP)	303/92	76/23
OBILE (CANNON OMPLEX P-111)	AS-3683	VERTICAL	1.5	30-88	50.0	AN/VRC-92A [AM-7238 (AMP)]	303/92	76/23
OBILE (CANNON OMPLEX P-111)	AS-3683	VERTICAL	1.5	30-88	50.0	AN/MRC-145 (HIGH)	303/92	76/23
OBILE (CANNON OMPLEX P-111)	HARRIS RF-1941/ RF-1940 SERIES	PORTABLE DIPOLE ANTENNAS	6.0	2-30	400.0	AN/PRC-150(C) (WITH RF-5834H-PA)	1437/438	359/109
OBILE (CANNON OMPLEX P-111)	HARRIS RF-1941/ RF-1940 SERIE	PORTABLE DIPOLE ANTENNAS	6.0	2-30	150.0	AN/TRC-209	880/268	220/67
OBILE (CANNON OMPLEX P-111)	HARRIS RF-1941/ RF-1940 SERIE	PORTABLE DIPOLE ANTENNAS	6.0	2-30	125.0	AN/VRC-102	803/245	201/61
OBILE (CANNON OMPLEX P-111)	HARRIS RF-1941/ RF-1940 SERIES	PORTABLE DIPOLE ANTENNAS	6.0	2-30	150.0	AN/VRC-104(V)3 [AN/PRC-150(C)] (150-WATT AMPLIFIER)	880/268	220/67
OBILE (CANNON OMPLEX P-111)	AN/BRA-34A(V)4	MULTIFUNCTION MAST ANTENNA SYSTEM	2.1	2-60	400.0	AN/PRC-150(C) (WITH RF-5834H-PA)	917/280	229/70
OBILE (CANNON OMPLEX P-111)	AN/BRA-34A(V)4	MULTIFUNCTION MAST ANTENNA SYSTEM	2.1	2-30	150.0	AN/TRC-209	561/171	140/43
OBILE (CANNON OMPLEX P-111)	AN/BRA-34A(V)4	MULTIFUNCTION MAST ANTENNA SYSTEM	2.1	2-30	125.0	AN/VRC-102	513/156	128/39
OBILE (CANNON OMPLEX P-111)	AN/BRA-34A(V)4	MULTIFUNCTION MAST ANTENNA SYSTEM	2.1	2-60	150.0	AN/VRC-104(V)3 [AN/PRC-150(C)] (150-WATT AMPLIFIER)	561/171	140/43
OBILE (CANNON OMPLEX P-111)	SHAKESPEARE 4328	WHIP	2.1	2-30	400.0	AN/PRC-150(C) (WITH RF-5834H-PA)	917/280	229/70
OBILE (CANNON OMPLEX P-111)	SHAKESPEARE 4328	WHIP	2.1	2-30	150.0	AN/TRC-209	561/171	140/43
OBILE (CANNON OMPLEX P-111)	SHAKESPEARE 4328	WHIP	2.1	2-30	125.0	AN/VRC-102	513/156	128/39
OBILE (CANNON OMPLEX P-111)	SHAKESPEARE 4328	WHIP	2.1	2-30	150.0	AN/VRC-104(V)3 [AN/PRC-150(C)] (150-WATT AMPLIFIER)	561/171	140/43
OBILE (CANNON OMPLEX P-111)	OE-538/BRC	MULTI FUNCTION MAST	0.0	2-60	400.0	AN/PRC-150(C) (WITH RF-5834H-PA)	720/220	180/55
OBILE (CANNON OMPLEX P-111)	OE-538/BRC	MULTI FUNCTION MAST	0.0	2-30	150.0	AN/TRC-209	441/134	110/34
OBILE (CANNON OMPLEX P-111)	OE-538/BRC	MULTI FUNCTION MAST	0.0	2-60	150.0	AN/VRC-104(V)3 [AN/PRC-150(C)] (150-WATT AMPLIFIER)	441/134	110/34
OBILE (CANNON OMPLEX P-111)	OE-538/BRC	MULTI FUNCTION MAST	0.0	2-30	125.0	AN/VRC-102	402/123	101/31
OBILE (CANNON OMPLEX P-111)	OE-207/BRC	MULTI FUNCTION MAST	2.1	2-60	400.0	AN/PRC-150(C) (WITH RF-5834H-PA)	917/280	229/70
OBILE (CANNON OMPLEX P-111)	OE-207/BRC	MULTI FUNCTION MAST	2.1	2-30	150.0	AN/TRC-209	561/171	140/43
OBILE (CANNON OMPLEX P-111)	OE-207/BRC	MULTI FUNCTION MAST	2.1	2-60	150.0	AN/VRC-104(V)3 [AN/PRC-150(C)] (150-WATT AMPLIFIER)	561/171	140/43
OBILE (CANNON OMPLEX P-111)	OE-207/BRC	MULTI FUNCTION MAST	2.1	2-30	125.0	AN/VRC-102	513/156	128/39
OBILE (CANNON OMPLEX P-111)	AS-2259/GR	NVIS	6.0	2-30	400.0	AN/PRC-150(C) (WITH RF-5834H-PA)	1437/438	359/109

I/A = Not assigned

Building Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE/ UNRELIABLE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
OBILE (CANNON OMPLEX P-111)	AS-2259/GR	NVIS	6.0	2-30	150.0	AN/VRC-104(V)3 [AN/PRC-150(C)] (150-WATT AMPLIFIER)	880/268	220/67
OBILE (CANNON OMPLEX P-111)	AS-2259/GR	NVIS	6.0	2-30	150.0	AN/TRC-209	880/268	220/67
OBILE (CANNON OMPLEX P-111)	AS-2259/GR	NVIS	6.0	2-30	125.0	AN/VRC-102	803/245	201/61
OBILE (CANNON OMPLEX P-111)	OE-505	10-FOOT WHIP	2.1	1.6-60	400.0	AN/PRC-150(C) (WITH RF-5834H-PA)	917/280	229/70
OBILE (CANNON OMPLEX P-111)	OE-505	10-FOOT WHIP	2.1	1.6-60	150.0	AN/VRC-104(V)3 [AN/PRC-150(C)] (150-WATT AMPLIFIER)	561/171	140/43
OBILE (CANNON OMPLEX P-111)	OE-505	10-FOOT WHIP	2.1	2-30	150.0	AN/TRC-209	561/171	140/43
OBILE (CANNON OMPLEX P-111)	OE-505	10-FOOT WHIP	2.1	2-30	125.0	AN/VRC-102	513/156	128/39
OBILE (CANNON OMPLEX P-111)	AS-2189/UPX	BROADSIDE ARRAY	16.5	1030	40.0	AN/UPX-37 (1 TRANSMITTER)	118/36	29/9
OBILE (CANNON OMPLEX P-111)	AS-2189/UPX	BROADSIDE ARRAY	16.5	1030	80.0	AN/UPX-37 (2 TRANSMITTERS)	167/51	42/13
OBILE (CANNON OMPLEX P-111)	AS-4502/T	ARRAY	3.0	962-1213	12.6	AN/TRN-47	15/5	10/3
OBILE (CANNON OMPLEX P-111)	OE-273	DIPOLE ARRAY	6.5	962-1213	118.0	AN/URN-25	69/21	17/5
OBILE (CANNON OMPLEX P-111)	AS-177B/UPX	MODIFIED DIPOLE	2.8	1030-1030.1	10.0	AN/TPX-56 (LOW POWER)	12/4	10/3
OBILE (CANNON OMPLEX P-111)	AN/FPN-67	ARRAY	36.0	9000-9200	500.0	AN/FPN-67	450/137	113/34
OBILE (CANNON OMPLEX P-111)	AN/TPN-31	PARABOLIC	27.0	1050-1090	0.10608	AN/TPN-31(V)5 (SSR)	19/6	10/3
OBILE (CANNON OMPLEX P-111)	AN/TPN-31	PARABOLIC	27.0	2700-2900	65.0	AN/TPN-31(V)5 (ASR)	192/59	48/15
OBILE (CANNON OMPLEX P-111)	AN/TPN-31	PARABOLIC	27.0	9020-9180	65.0	AN/TPN-31(V)5 (PAR)	57/18	14/4
OBILE (CANNON OMPLEX P-111)	AN/TPS-63	PARABOLIC	32.5	1250-1350	3018.6	AN/TPS-63 (FULL POWER MODE)	5325/1624	1331/406
OBILE (CANNON OMPLEX P-111)	AN/TPS-59	ARRAY	37.0	1220-1390	8000.0	AN/TPS-59(V)1	14911/5646	3727/1136
OBILE (CANNON OMPLEX P-111)	AN/TPN-22	PARABOLIC	39.0	9000-9200	180.0	AN/TPN-22	382/116	95/29
OBILE(MOBILE)	N/A	WHIP	2.1	30-88	1.0	AN/PRC-128	46/14	11/3
OBILE(MOBILE)	N/A	WHIP	2.1	130-174	1.0	AN/PRC-128	28/9	10/3
PORTABLE	N/A	STUB	0.9	380-430	3.0	MOTOROLA TETRA	15/4	10/3
PORTABLE	N/A	STUB	0.9	806-825	3.0	MOTOROLA TETRA	10/3	10/3
PORTABLE	N/A	STUB	0.9	698-806	2.0	CELLULAR TELEPHONE (HANDHELD) (3G, 4G MEDIAFLO, DVB-H)	10/3	10/3
PORTABLE	N/A	STUB	0.9	806-824	4.0	CELLULAR TELEPHONE (HANDHELD) (SMR IDEN)	10/3	10/3
PORTABLE	N/A	STUB	0.9	824-849	4.0	CELLULAR TELEPHONE (HANDHELD) (ANALOG/DIGITAL)	10/3	10/3
PORTABLE	N/A	STUB	0.9	851-869	4.0	CELLULAR TELEPHONE (HANDHELD) (SMR IDEN)	10/3	10/3

N/A = Not assigned

Building Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances: HERO UNSAFE/ UNRELIABLE ORDNANCE (feet/meters)	Separation Distances: HERO SUSCEPTIBLE ORDNANCE (feet/meters)
PORTABLE	N/A	STUB	0.9	869-894	4.0	CELLULAR TELEPHONE (HANDHELD) (ANALOG/DIGITAL)	10/3	10/3
PORTABLE	N/A	STUB	0.9	1392-1395	2.0	CELLULAR TELEPHONE (HANDHELD) (1.4 GHZ)	10/3	10/3
PORTABLE	N/A	STUB	0.9	1432-1435	2.0	CELLULAR TELEPHONE (HANDHELD) (1.4 GHZ)	10/3	10/3
PORTABLE	N/A	STUB	0.9	1710-1755	2.0	CELLULAR TELEPHONE (HANDHELD) (3G 4G)	10/3	10/3
PORTABLE	N/A	STUB	0.9	1805-1880	2.0	CELLULAR TELEPHONE (HANDHELD) (DCS1800 CELL PHONE BAND)	10/3	10/3
PORTABLE	N/A	STUB	0.9	1850-1910	1.0	CELLULAR TELEPHONE (HANDHELD) (DIGITAL PCS BAND)	10/3	10/3
PORTABLE	N/A	STUB	0.9	1930-1990	2.0	CELLULAR TELEPHONE (HANDHELD) (DIGITAL PCS BAND)	10/3	10/3
PORTABLE	N/A	STUB	0.9	2110-2155	2.0	CELLULAR TELEPHONE (HANDHELD) (3G 4G)	10/3	10/3
PORTABLE	N/A	STUB	0.9	2496-2690	2.0	CELLULAR TELEPHONE (HANDHELD) (4G)	10/3	10/3
PORTABLE	1/4 WAVE	DIPOLE	2.1	225-400	20.0	AN/URC-101 (UHF FM HI)	73/22	18/6
PORTABLE	1/4 WAVE	DIPOLE	2.1	225-400	5.0	AN/URC-101 (UHF AM HI)	36/11	10/3
PORTABLE	1/4 WAVE	DIPOLE	2.1	225-400	5.0	AN/URC-101 (UHF FM LOW)	36/11	10/3
PORTABLE	1/4 WAVE	DIPOLE	2.1	225-400	1.5	AN/URC-101 (UHF AM LOW)	20/6	10/3
				AV-8B (HARRIER)				
ALTIMETER	HORN	HORN	10.5	4290-4310	0.6	AN/APN-194(V)	10/3	10/3
BEACON	AS-3546/APN	OMNIDIRECTIONAL	6.0	8500-9500	8.0	AN/APN-202(V)	10/3	10/3
IFF	OMNI 50-7-4	BLADE	2.1	1090	0.56	AN/APX-100(V)1	10/3	10/3
RADAR	AS-3254/APG	PLANAR ARRAY	CLASSIFIED	CLASSIFIED	CLASSIFIED	AN/APG-65	436/133	109/33
VHF/UHF	OMNI 50-7-4	BLADE	2.1	30-88	15.0	AN/ARC-182(V) [FM (SINCGARS)]	178/54	44/14
VHF/UHF	OMNI 50-7-4	BLADE	2.1	118-156	10.0	AN/ARC-182(V) (VHF-AM)	98/30	25/7
VHF/UHF	OMNI 50-7-4	BLADE	2.1	156-174	15.0	AN/ARC-182(V) (VHF-FM)	91/28	23/7
VHF/UHF	OMNI 50-7-4	BLADE	2.1	225-400	15.0	AN/ARC-182(V) (UHF-FM)	63/19	16/5
VHF/UHF	OMNI 50-7-4	BLADE	2.1	225-400	10.0	AN/ARC-182(V) (UHF-AM)	51/16	13/4
				F/A-18C/D (HORNET)				
ALCS	BLADE	BLADE	2.1	225-400	15.0	RT-1379A/ASW	63/19	16/5
ALTIMETER	HORN ARRAY	HORN ARRAY	10.5	4250-4350	0.6	AN/APN-194(V)	10/3	10/3
BEACON	AS-2619/APN	SLOTTED WAVEGUIDE	6.0	8500-9500	8.0	AN/APN-202	10/3	10/3
COMMS	AS-3881/ASQ	BLADE	2.1	30-88	23.0	AN/ARC-210(V) (FM 1 HIGH)	220/67	55/17
COMMS	AS-3881/ASQ	BLADE	2.1	30-88	15.0	AN/ARC-210(V) (FM 1 LOW)	178/54	44/14
COMMS	AS-3881/ASQ	BLADE	2.1	108-156	15.0	AN/ARC-210(V) (AM 1 HIGH)	131/40	33/10
COMMS	AS-3881/ASQ	BLADE	2.1	108-156	10.0	AN/ARC-210(V) (AM 1 LOW)	107/33	27/8

N/A = Not assigned

Building Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE/ UNRELIABLE ORDNANCE (feet/meters)	Separation Distances HSRO SUSCEPTIBLE ORDNANCE (feet/meters)
COMMS	AS-3881/ASQ	BLADE	2.1	156-174	23.0	AN/ARC-210(V) (FM 2 HIGH)	112/34	28/9
COMMS	AS-3881/ASQ	BLADE	2.1	156-174	15.0	AN/ARC-210(V) (FM 2 LOW)	91/28	23/7
COMMS	AS-3881/ASQ	BLADE	2.1	225-400	15.0	AN/ARC-210(V) (AM 2 HIGH)	63/19	16/5
COMMS	AS-3881/ASQ	BLADE	2.1	225-400	10.0	AN/ARC-210(V) (AM 2 LOW)	51/16	13/4
COMMS	AS-3881/ASQ	BLADE	2.1	225-400	23.0	AN/ARC-210(V) (FM)	78/24	19/6
COMMS	AS-3881/ASQ	BLADE	2.1	400-512	5.0	AN/ARC-210(V) (FM)	20/6	10/3
COMMS	AS-3881/ASQ	BLADE	2.1	30-88	15.0	AN/ARC-182(V) [FM (SINCGARS)]	178/54	44/14
COMMS	AS-3881/ASQ	BLADE	2.1	118-156	10.0	AN/ARC-182(V) (VHF-AM)	98/30	25/7
COMMS	AS-3881/ASQ	BLADE	2.1	156-174	15.0	AN/ARC-182(V) (VHF-FM)	91/28	23/7
COMMS	AS-3881/ASQ	BLADE	2.1	225-400	15.0	AN/ARC-182(V) (UHF-FM)	63/19	16/5
COMMS	AS-3881/ASQ	BLADE	2.1	225-400	10.0	AN/ARC-182(V) (UHF-AM)	51/16	13/4
ECM				0	0.0	AN/ALQ-165		
ECM	AN/ALQ-99	CLASSIFIED	CLASSIFIED	CLASSIFIED	CLASSIFIED	AN/ALQ-165	83/25	21/6
ELT	SIG-7020-01	WIRE	2.1	243	0.2	AN/URT-33	10/3	5/1.5
IFF	AT-741B/A	BLADE	2.6	1090	0.56	AN/APX-100(V)1	10/3	10/3
MIDS	AS-3422/ARN	BLADE	2.6	969-1206	200.0	AN/USQ-140(V)1(C) (NORMAL)	57/17	14/4
MIDS	AS-3422/ARN	BLADE	2.6	969-1206		AN/USQ-140(V)1(C) (MEDIUM)	20/6	10/3
MIDS	AS-3422/ARN	BLADE	2.6	969-1206		AN/USQ-140(V)1(C) (LOW)	10/3	10/3
RADAR	AS-3254	PLANAR ARRAY	CLASSIFIED	CLASSIFIED	CLASSIFIED	AN/APG-65	436/133	109/33
RADAR	AS-3254	PLANAR ARRAY	CLASSIFIED	CLASSIFIED	CLASSIFIED	AN/APG-73	436/133	109/33
TACAN	AT-741B/A	BLADE	2.6	1025-1150	10.9	AN/ARN-118(V)	12/4	10/3
F/A-18E/F (SUPER HORNET)								
ALCS	BLADE	BLADE	2.1	225-400	15.0	RT-1379A/ASW	63/19	16/5
ALTIMETER	HORN ARRAY	HORN ARRAY	10.5	4250-4350	0.6	AN/APN-194(V)	10/3	10/3
BEACON	AS-2619/APN	SLOTTED WAVEGUIDE	6.0	8500-9500	8.0	AN/APN-202	10/3	10/3
COMMS	AS-3881/ASQ	BLADE	2.1	30-88	23.0	AN/ARC-210(V) (FM 1 HIGH)	220/67	55/17
COMMS	AS-3881/ASQ	BLADE	2.1	30-88	15.0	AN/ARC-210(V) (FM 1 LOW)	178/54	44/14
COMMS	AS-3881/ASQ	BLADE	2.1	108-156	15.0	AN/ARC-210(V) (AM 1 HIGH)	131/40	33/10
COMMS	AS-3881/ASQ	BLADE	2.1	108-156	10.0	AN/ARC-210(V) (AM 1 LOW)	107/33	27/8
COMMS	AS-3881/ASQ	BLADE	2.1	156-174	23.0	AN/ARC-210(V) (FM 2 HIGH)	112/34	28/9
COMMS	AS-3881/ASQ	BLADE	2.1	156-174	15.0	AN/ARC-210(V) (FM 2 LOW)	91/28	23/7
COMMS	AS-3881/ASQ	BLADE	2.1	225-400	15.0	AN/ARC-210(V) (AM 2 HIGH)	63/19	16/5
COMMS	AS-3881/ASQ	BLADE	2.1	225-400	10.0	AN/ARC-210(V) (AM 2 LOW)	51/16	13/4
COMMS	AS-3881/ASQ	BLADE	2.1	225-400	23.0	AN/ARC-210(V) (FM)	78/24	19/6

I/A = Not assigned

Building Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE/ UNRELIABLE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
COMMS	AS-3881/ASQ	BLADE	2.1	400-512	5.0	AN/ARC-210(V) (FM)	20/6	10/3
ECM	AN/ALQ-99	CLASSIFIED	CLASSIFIED	CLASSIFIED	CLASSIFIED	AN/ALQ-165	83/25	21/6
ELT	SIG-7020-01	WIRE	2.1	243	0.2	AN/URT-33	10/3	5/1.5
IFF	AT-741B/A	BLADE	2.6	1090	0.56	AN/APX-100(V)1	10/3	10/3
RADAR	AS-3254	PLANAR ARRAY	CLASSIFIED	CLASSIFIED	CLASSIFIED	AN/APG-73	436/133	109/33
TACAN	AT-741B/A	BLADE	2.6	1025-1150	10.9	AN/ARN-118(V)	12/4	10/3
F-35B (JSF STOVL)								
ALCS	BLADE	BLADE	2.1	225-400	15.0	RT-1379A/ASW	63/19	16/5
ALTIMETER	HORN ARRAY	HORN ARRAY	10.5	4250-4350	0.6	AN/APN-194(V)	10/3	10/3
BEACON	AS-2619/APN	SLOTTED WAVEGUIDE	6.0	8500-9500	8.0	AN/APN-202	10/3	10/3
COMMS	AS-3881/ASQ	BLADE	2.1	30-88	23.0	AN/ARC-210(V) (FM 1 HIGH)	220/67	55/17
COMMS	AS-3881/ASQ	BLADE	2.1	30-88	15.0	AN/ARC-210(V) (FM 1 LOW)	178/54	44/14
COMMS	AS-3881/ASQ	BLADE	2.1	108-156	15.0	AN/ARC-210(V) (AM 1 HIGH)	131/40	33/10
COMMS	AS-3881/ASQ	BLADE	2.1	108-156	10.0	AN/ARC-210(V) (AM 1 LOW)	107/33	27/8
COMMS	AS-3881/ASQ	BLADE	2.1	156-174	23.0	AN/ARC-210(V) (FM 2 HIGH)	112/34	28/9
COMMS	AS-3881/ASQ	BLADE	2.1	156-174	15.0	AN/ARC-210(V) (FM 2 LOW)	91/28	23/7
COMMS	AS-3881/ASQ	BLADE	2.1	225-400	15.0	AN/ARC-210(V) (AM 2 HIGH)	63/19	16/5
COMMS	AS-3881/ASQ	BLADE	2.1	225-400	10.0	AN/ARC-210(V) (AM 2 LOW)	51/16	13/4
COMMS	AS-3881/ASQ	BLADE	2.1	225-400	23.0	AN/ARC-210(V) (FM)	78/24	19/6
COMMS	AS-3881/ASQ	BLADE	2.1	400-512	5.0	AN/ARC-210(V) (FM)	20/6	10/3
ECM	AN/ALQ-99	CLASSIFIED	CLASSIFIED	CLASSIFIED	CLASSIFIED	AN/ALQ-165	83/25	21/6
ELT	SIG-7020-01	WIRE	2.1	243	0.2	AN/URT-33	10/3	5/1.5
IFF	AT-741B/A	BLADE	2.6	1090	0.56	AN/APX-100(V)1	10/3	10/3
	RADAR	AS-3254	PLANAR ARRAY	CLASSIFIED	CLASSIFIED	CLASSIFIED	AN/APG-73	436/133	109/33
	TACAN	AT-741B/A	BLADE	2.6	1025-1150	10.9	AN/ARN-118(V)	12/4	10/3
F-5N (TIGER II)								
COMM	AT-256A/ARC	DIPOLE	2.0	278	10	AN/ARC-164	41/13	10/3
ELT	N/A	DIPOLE	2.1	243-283	0.5	AN/PRC-90	11/3	10/3
IFF	AT-741B/A	BLADE	2.6	1090	3.4	AN/APX-101	10/3	10/3
RADAR	N/A	ARRAY	20	1101	800	AN/ARN-118	738/225	184/56
RADAR	N/A	ARRAY	20	9300	6500	AN/APQ-159(V)5	249/76	62/19
COMM	AT-256A/ARC	DIPOLE	2.0	278	10	AN/ARC-164	41/13	10/3
UH-1N (HUEY)								
ALTIMETER	AS-1858/APN	DUAL HORN	13.0	4300	0.5	AN/APN-171(V)1	10/3	10/3
HF	LONGWIRE	LONGWIRE	2.1	2-30	400.0	AN/ARC-102	917/280	229/70
IFF	AT-741B/A	BLADE	2.6	1090	5.0	AN/APX-72A	10/3	10/3

N/A = Not assigned

Building Number	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE/ UNRELIABLE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
TACAN	AT-741B/A	BLADE	2.6	1025-1150	10.0	AN/ARN-105(V)	12/4	10/3
VHF-UHF	OMNI 50-7-4	BLADE	2.1	30-88	15.0	AN/ARC-182(V) [FM (SINCGARS)]	178/54	44/14
VHF-UHF	OMNI 50-7-4	BLADE	2.1	118-156	10.0	AN/ARC-182(V) (VHF-AM)	98/30	25/7
VHF-UHF	OMNI 50-7-4	BLADE	2.1	156-174	15.0	AN/ARC-182(V) (VHF-FM)	91/28	23/7
VHF-UHF	OMNI 50-7-4	BLADE	2.1	225-400	15.0	AN/ARC-182(V) (UHF-FM)	63/19	16/5
VHF-UHF	OMNI 50-7-4	BLADE	2.1	225-400	10.0	AN/ARC-182(V) (UHF-AM)	51/16	13/4

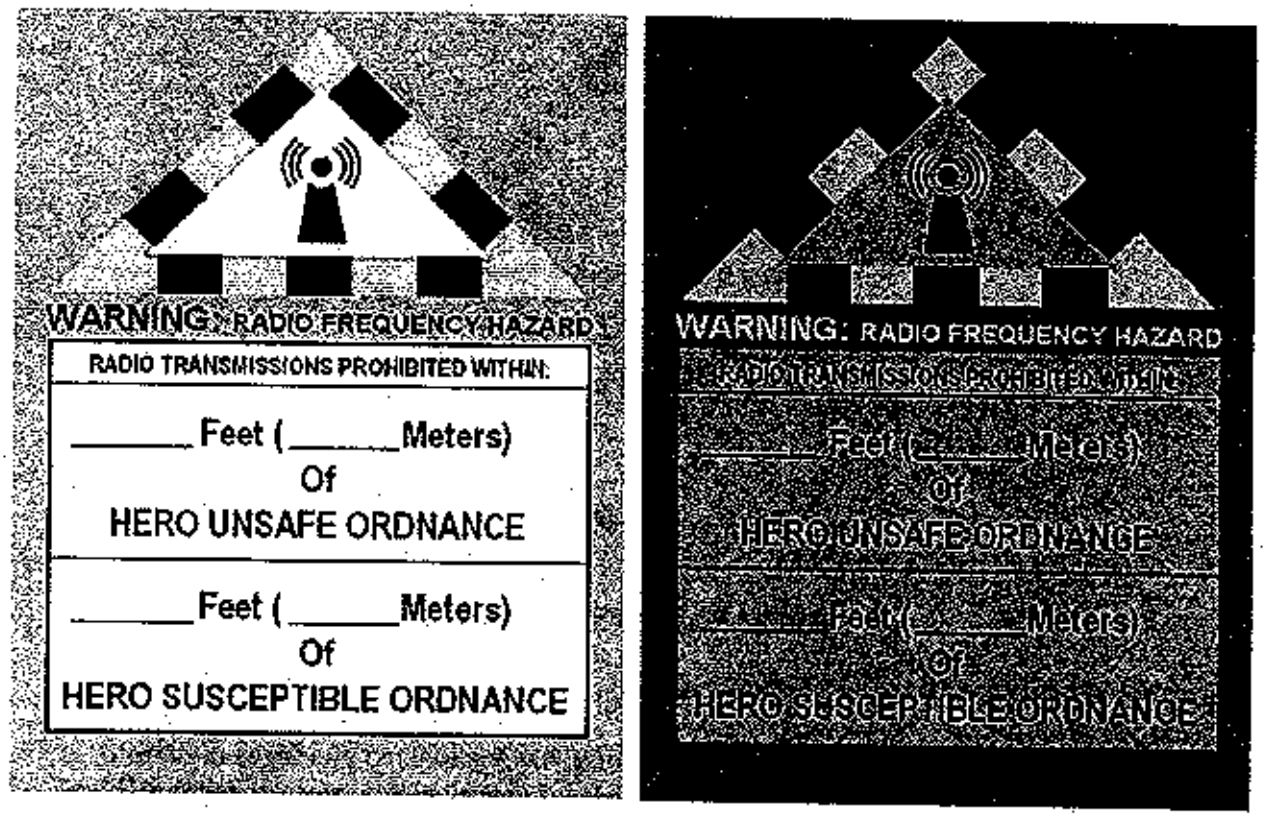
A = Not assigned

HERO WARNING LABEL AND WARNING SYMBOL

Enclosure (7)

HERO WARNING LABEL AND WARNING SYMBOL

The HERO warning label shown in Figure E-1 (white and olive drab versions) is to be affixed to mobile and portable emitter systems such as radios and cellular phones. This warning label alerts the emitter operator to a potential hazard if the emitter is operated within the prescribed distance of ordnance operations.



HERO WARNING LABEL

The label has blank spaces for inserting HERO UNSAFE/UNRELIABLE ORDNANCE and HERO SUSCEPTIBLE ORDNANCE safe separation distances. These distances are obtained from Appendix A of this report for individual mobile or portable emitter systems.

The recommended HERO warning symbol is shown in Figure E-2. This symbol is placed at entry points to ordnance operations areas (e.g., missile assembly, ammunition pier, etc.) to alert operators of mobile and portable emitter systems such as radios and cellular phones to a potential hazard when using radios and cellular phones past this point. Guidance for manufacturing symbols is provided below.

HERO WARNING SYMBOL

Materials: Anodized aluminum, adhesive backing optional.

Colors: Base material of anodized silver background; black anodized messages in bottom triangle: alternating colored blocks of anodized red and yellow in a border surrounding black anodized logogram in top triangle.

Logogram: Design will be a pictorial presentation of a radar antenna consisting of a pylon with a dot simulating an antenna and concentric area simulating pulsed energy.

Wording: The title, WARNING: RADIO FREQUENCY HAZARD, is standard for all symbols; the messages in the lower triangle will vary according to particular situation; use of descriptive wording or warning information is the user's option.

STATION CALL LIST FOR HERO EMCON

STATION CALL LIST FOR HERO EMCON

Per OPNAVINST 8020.14 and MCO P8020.11 the following is submitted. "The Explosive Safety Officer/HERO Officer should generate and maintain a list of names and phone numbers for those activities impacted by HERO EMCON and provide to the Command Duty Officer/Officer of the Day."

The below listed personnel will be notified in the event of any EMCON/HERO event that occurs aboard MCAS Yuma or within the boundaries of the Yuma Ranges.

In the event that an EMCON incident occurs outside of MCAS Yuma or the Ranges, the OOD will notify the Air Station CO or XO before contacting other personnel on this list.

Name	Rank	Duties	WK Ph
Kuckuk R.C.	Col	STA CO	2224
Carroll C.K.	LtCol	STA XO	2224
Hicks J.B.	LtCol	OpsO	3558
Arbogast K.R.	LtCol	H&HS CO	5275
Lindstrom B.	CIV	Safety Off	5611
Sullivan A.R.	CMDR	I&L Dir	2071
Archila A.	CMDR	MED Off	3177
WADE J.A.	CWO3	EOD Off	5184
Bateman M.B.	GySgt	EOD	2303
Spencer S.	CIV	Wpns Off	2004
Campbell J.L.	GS-12	ESO	3611
Wieczorck M.P.	CWO3	ARFF OFF	3540
Batson M.	Capt	Fire Chief	2887
Richardson C.	CIV	Security Off	2351
Zittle R.E.	CIV	HERO Off	2218
Chaffin C.A.	CIV	Freq Mgr	3533
McBee A.	LCMDR	ROICC	2475

Tenant Commands OOD

MAWTS-1	OOD	2572
MAWTS-1	SOF Desk	3604
MAG-13	OOD	2124
MALS-13	OOD	2203
VMA-121	OOD	2144
VMA-211	OOD	5406
VMA-214	OOD	2776
VMA-311	OOD	2334
VMA-513	OOD	2810

VMFA-401	OOD	2806
VMU-4	OOD	4869
MACS-1	OOD	3800
MWSS-371	OOD	2506
CLC-16	OOD	210-8751