UNCLASSIFIED//

Subject: FWD: Safety of Use Alert (HERO)

HERO SOUM PACKAGE APPROVED.pdf

Originator: COMMARCORSYSCOM QUANTICO VA(UC)

DTG: 212025Z Oct 09 **Precedence:** PRIORITY **DAC:** General

To: AL MRAP SOUM(UC), CG MARCORLOGCOM ALBANY GA SCMC(UC), CG MARCORLOGCOM ALBANY GA(UC), JPEO CBD JEAP(UC), USMC DMSCOC QUANTICO VA(UC), CMC WASHINGTON DC(UC), COMNAVSAFECEN NORFOLK VA(UC), HQBN HQMC ARLINGTON VA(UC), MARBKS WASHINGTON DC(UC), US MARINE BAND WASHINGTON DC(UC), 7MAR(UC), CG MAGTF TRNGCOM(UC), MCCES(UC), MTCC 29 PALMS CA(UC), COMMARFORCOM(UC), COMMARFORPAC(UC), MACG 48(UC), MACS 24 ATC DET A(UC), MACS 24(UC), MAG 41(UC), MAG 42(UC), MAG 46(UC), MAG 49(UC), INSP INSTR STF ALAMEDA CA(UC), INSP INSTR STF LEXINGTON KY(UC), INSP INSTR STF QUANTICO VA(UC), MAG 13(UC), MCAS BEAUFORT SC(UC), MWSS 273(UC), 2ND LAAD BN(UC), CG 2ND MAW(UC), MAG 12(UC), MAG 14(UC), MALS 14(UC), MASS 1(UC), MCAS CHERRY POINT CO(UC), MCAS IWAKUNI JP(UC), MTACS 28(UC), MWCS 28(UC), MWHS 2 (UC), MWSG 27(UC), MWSS 171(UC), MWSS 271(UC), MWSS 274(UC), CG 3RD MAW(UC), MACG 38(UC), MAG 11(UC), MAG 16(UC), HMM 161(UC), MWSG 37(UC), MWSS 374(UC), MACS 1(UC), MCAS YUMA AZ(UC), MWSS 371(UC), 1ST STINGER BTRY(UC), 31 MEU ACE(UC), CG 1ST MAW(UC), MACG 18(UC), MACS 4(UC), MAG 36(UC), MASS 2(UC), MTACS 18(UC), MWCS 18(UC), MWHS 1(UC), MWSG 17(UC), MWSS 172(UC), 12TH MAR(UC), 7TH COMM BN(UC), CG 3D MLG(UC), CG 3RD MARDIV(UC), CG III MEF(UC), MCAS FUTENMA JP(UC), 10TH MAR(UC), 1ST BN 10TH MAR(UC), 1ST BN 6TH MAR(UC), 24 MEU(UC), 2D MAINT BN CLR 25 2D MLG(UC), 2D SUP BN CLR 25 2D MLG(UC), 2ND ASLT PHIB BN(UC), 2ND BN 10TH MAR(UC), 2ND BN 8TH MAR(UC), 2ND CBT ENGR BN(UC), 2ND MAR(UC), 2ND TK BN(UC), 3RD BN 10TH MAR(UC), 3RD BN 2ND MAR(UC), 3RD BN 6TH MAR(UC), 3RD BN 8TH MAR(UC), 5TH BN 10TH MAR(UC), 6TH MAR(UC), 8TH MAR(UC), CG 2D MLG(UC), CG 2ND MARDIV(UC), CG MCB CAMP BUTLER JP(UC), CLB 22 CLR 27 2D MLG (UC), CLB 24 CLR 27 2D MLG(UC), HQ BN 2ND MARDIV(UC), HQBN CAMP FUJI JP(UC), MAG 26(UC), MAG 29(UC), MWSS 272(UC), 2D MSOB(UC), 2ND RAD BN(UC), CG II MEF(UC), MCAS NEW RIVER NC(UC), CO MCB CAMP LEJEUNE NC(UC), HQSPTBN CAMP LEJEUNE NC (UC), SCOLOFINF CAMP LEJEUNE NC(UC), 11TH MAR(UC), 1ST CEB(UC), 1ST MAR(UC), 3AABN(UC), 5TH MAR(UC), CG 1ST MARDIV (UC), CG 1ST MLG(UC), MAG 39(UC), MASS 3(UC), MWSS 372(UC), 9TH COMMBN(UC), CBIRF(UC), CG I MEF(UC), CG MCCDC QUANTICO VA(UC), CO MCB CAMP PENDLETON CA(UC), COMMARCORSYSCOM QUANTICO VA(UC), HQSPTBN CAMPEN(UC), I MEF HQ GRP(UC), MAG 24(UC), 3RD MAR(UC), MARCORSYSCOM ALBANY GA(UC), CG MCRD ERR PARRIS ISLAND SC(UC), CG MCRD WRR SAN DIEGO CA(UC), CO MCLB BARSTOW CA(UC), MARCOREP ABERDEEN PROVING GROUND MD(UC), NINTH MCD KANSAS CITY MO(UC), FIRST MCD GARDEN CITY LI NY(UC), 1ST TKBN(UC), MWSS 373(UC)

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---------- Original Message ----------

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Subject: Safety of Use Alert (HERO)
Originator: COMMARCORSYSCOM QUANTICO VA(UC)
DTG: 201652Z Oct 09
Precedence: PRIORITY
DAC: General
To: AL 11192(UC)
Cc: COMMARCORSYSCOM QUANTICO VA 00T(UC), COMMARCORSYSCOM QUANTICO VA(UC), CMC WASHINGTON DC PPO(UC), CMC WASHINGTON DC L LPE(UC), CG MARCORLOGCOM ALBANY GA(UC), COMMARFORSOC(UC), AFSC CC (UC), TACOM SAFETYOFUSE(UC), COMNAVSEASYSCOM WASHINGTON DC(UC), COMNAVSAFECEN NORFOLK VA(UC)
Attachments: HERO SOUM PACKAGE APPROVED.pdf

UNCLASSIFIED//
FM: COMMARCORSYSCOM QUANTICO VA//
TO: AL 11192
INFO: COMMARCORSYSCOM QUANTICO VA//
COMMARCORSYSCOM QUANTICO VA//00T//
CMC WASHINGTON DC//PP&O//
CMC WASHINGTON DC//LPE//
NAVSAFECEN NORFOLK VA//
CG MARCORLOGCOM//
COMMARFORSOC//
TACOM SAFETYOFUSE//
HQ AFSC//
NAVSEA
BT
UNCLAS //5100//
UNCLASSIFIED//
MSGID/GENADMIN, USMTF, 2009/COMMARCORSYSCOM//
SUBJ/SAFETY OF USE ALERT REGARDING HAZARDS OF ELECTROMAGNETIC RADIATION TO ORDNANCE (HERO) AWARENESS FOR USE OF GROUND VEHICLE AND PORTABLE EMITTERS IN PROXIMITY TO GROUND ORDNANCE

CLASSIFIED AS HERO UNSAFE AND HERO SUSCEPTIBLE//
REF/A/ DESC: DOC/NAVSEA/01JUL2008//
REF/B/DESC: DOC/NAVSEA/01AUG2008//
REF/C/MSGID: REVISED SAFETY OF USE ALERT / COMMARCORSYSCOM QUANTICO VA /022037Z JUN 09//
REF/D/MSGID:SOUA/COMMARCORSYSCOM GTES/021746Z 0CT08//
REF/E/MSGID:SOUA/COMMARCORSYSCOM GTES/241905Z MAR2008//
REF/F/MSGID:SOUA/COMMARCORSYSCOM GTES/292003Z JAN2008//
NARR/REF A IS HERO MANUAL, OP3565, VOL II, REV 16//
NARR/REF B IS HERO MANUAL, OP3565, VOL III, REV 1//
NARR/REF C IS REVISED SAFETY OF USE ALERT, MINE RESISTANT AMBUSH PROTECTED (MRAP) VEHICLES, SAFE SEPARATION DISTANCES FOR ORDNANCE CLASSIFIED AS HERO UNSAFE AND HERO SUSCEPTIBLE NOW INCLUDES THE USE OF THE CREW VEHICLE RECEIVER JAMMER (CVRJ)//
NARR/ REF D IS REVISED SAFETY OF USE ALERT, MINE
RESISTANT AMBUSH PROTECTED (MRAP) VEHICLES, LAR R UNCLAS COMMARCORSYSCOM QUANTICO VA
GTES(UC) 021746Z OCT 08//
NARR/ REF E IS REVISED SAFETY OF USE ALERT, MINE RESISTANT AMBUSH PROTECTED (MRAP) VEHICLES, LARGER SEPARATION DISTANCES
FOR ORDNANCE CLASSIFIED AS HERO UNSAFE AND HERO SUSCEPTIBLE. UNCLAS DMS
MESSAGE RELEASE 241905Z MAR08//
NARR/ REF F IS A SAFETY OF USE ALERT, KEEP ALL ORDNANCE, FUEL, AND PERSONNEL OF MINE RESISTANT AM R UNCLAS DMS MESSAGE RELEASE 292003Z JAN 08//
1. IN ACCORDANCE WITH REFERENCES A AND B, THIS SAFETY OF USE ALERT PROVIDES AMPLIFYING AND UPDATED INFORMATION REGARDING THE GROWING CONCERNS OF THE HAZARDS OF ELECTROMAGNETIC RADIATION TO ORDNANCE (HERO) ENVIRONMENT AND SUPERSEDES INFORMATION PROVIDED IN REFS C THROUGH F.
2. ALTHOUGH GUIDANCE WAS ORIGINALLY IDENTIFIED AND TIED TO SPECIFIC FAMILIES OF VEHICLES, IT HAS BEEN DETERMINED THAT THE HERO CONCERN IS GROWING IN SCOPE/COMPLEXITY AS EMITTERS OF ALL TYPES INCREASE IN TRANSMISSION STRENGTH AND BECOME MOBILE EITHER BY VEHICLE OR PERSONNEL.
3. THE INTENT OF THIS MESSAGE IS TO PROVIDE THE NECESSARY INFORMATION TO ASSIST IN MISSION/ORDNANCE PLANNING, FREQUENCY PLANNING, AND CONVOY BUILD-UP PHASES PRIOR TO DEPLOYMENT FROM FIXED OPERATING BASES AND AMMUNITION SUPPLY POINTS (ASP) INTO THE BATTLEFIELD AND TO SUPPORT OPERATIONAL RISK MANAGEMENT (ORM) AND SITUATIONAL AWARENESS DOWN TO THE VEHICLE/CREW LEVEL. SPECIFICALLY, THE INFORMATION PROVIDED SHOULD BE CONSIDERED WHEN SELECTING ORDNANCE TO SUPPORT MISSIONS AND OPERATIONS, WHEN CONSIDERING THE PLACEMENT OF COMMUNICATION VEHICLES WITHIN CONVOYS, DURING FREQUENCY PLANNING, AND DURING EOD OPERATIONS.
4. ADDITIONALLY, DEDICATED ATTEMPTS TO PROVIDE HERO SAFE ALTERNATIVES TO THE ORDNANCE ITEMS CALLED OUT IN THIS MESSAGE DURING OPERATIONAL PLANNING PHASES SHOULD BE MADE TO MITIGATE/ELIMINATE HERO HAZARDS. HOWEVER, IF SUCH HERO SUSCEPTIBLE/UNSAFE ORDNANCE MUST BE UTILIZED DUE TO UNAVAILABILITY OR MISSION CRITICALITY, THE APPROPRIATE MITIGATING SAFETY INFORMATION MUST BE PUSHED DOWN TO THE RECEIVING VEHICLE/CREW SUCH THAT THE APPROPRIATE ORM AND SAFEGUARDS CAN BE DEVELOPED AT THAT LEVEL.
5. HERO SUSCEPTIBLE ORDNANCE IS ANY ORDNANCE CONTAINING ELECTROEXPLOSIVE DEVICES (EED) PROVEN (BY TEST OR ANALYSIS) TO
BE ADVERSELY AFFECTED BY RF ENERGY TO THE POINT THAT THE SAFETY AND/OR RELIABILITY OF THE SYSTEM IS IN JEOPARDY WHEN THE SYSTEM IS EMPLOYED IN EXPECTED RF ENVIRONMENTS.
6. HERO UNSAFE ORDNANCE IS ANY ORDNANCE MEETING EITHER OF THE FOLLOWING CONDITIONS:
A. WHEN INTERNAL WIRING IS PHYSICALLY EXPOSED ON ANY ORDNANCE ITEM, INCLUDING THOSE HAVING A CLASSIFICATION OF HERO SAFE OR HERO SUSCEPTIBLE ORDNANCE, TO AN RF ENVIRONMENT THAT MAY CAUSE ACCIDENTAL INITIATION OR DETONATION, THE ITEM IS DEFINED AS HERO UNSAFE ORDNANCE; 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 ENGINEERING HERO PROTECTIVE DEVICES.
B. ORDNANCE ITEMS CONTAINING EED'S, WHOSE EXPOSURE TO THE RF ENVIRONMENT MAY CAUSE ACCIDENTAL INITIATION OR DETONATION, WHICH HAVE NOT BEEN CLASSIFIED AS HERO SAFE OR SUSCEPTIBLE BY EITHER TEST OR DESIGN ANALYSIS ARE HERO UNSAFE 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 UNSAFE ORDNANCE AS THE RESULT OF HERO TESTS CONDUCTED TO DETERMINE SPECIFIC SUSCEPTIBILITY.
7. THE ENSUING PARAGRAPHS PROVIDE THE AMPLIFYING INFORMATION; PARAGRAPH 8 PROVIDES SAFE

SEPARATION DISTANCES BY FREQUENCY BAND/OUTPUT POWER FOR EMITTERS SYSTEMS AS THEY APPLY TO THE GENERAL CATEGORIES OF HERO UNSAFE AND HERO SUSCEPTIBLE ORDNANCE. PARAGRAPH 9 PROVIDES SAFE SEPARATION DISTANCES FOR GROUND ELECTRONIC WARFARE (EW) SYSTEMS AS THEY APPLY TO THE GENERAL CATEGORIES OF HERO UNSAFE AND HERO SUSCEPTIBLE ORDNANCE. PARAGRAPH 10 IDENTIFIES ORDNANCE CLASSIFIED AS HERO UNSAFE AND HERO SUSCEPTIBLE ORDNANCE AND PROVIDES MORE DETAILED INFORMATION ON WHICH SUSCEPTIBLE ORDNANCE ITEMS REQUIRE NO SAFE SEPARATION DISTANCE, WHEN THE SAFE SEPARATION DISTANCES APPLY (PHASE OR OPERATION), SPECIFICS ON WHICH FREQUENCY BANDS REQUIRE A SAFE SEPARATION DISTANCE, AND THE HERO CONSEQUENCE OF INITIATION; THAT IS, SAFETY (THE ITEM CAN POTENTIALLY INITIATE AND CAUSE LOSS OF LIFE AND/OR PROPERTY) OR RELIABILITY (THE ITEM WILL DUD AND/OR NOT FUNCTION AS INTENDED).

8. SAFE SEPARATION DISTANCES FOR HERO ARE PROVIDED BELOW BY FREQUENCY BAND TO FACILITATE THE MANAGEMENT OF THE ELECTROMAGNETIC ENVIRONMENT AROUND ELECTRICALLY INITIATED ORDNANCE. THE SIGNIFICANT COMMUNICATION SYSTEMS OF CONCERN ARE LISTED BELOW BY FREQUENCY BAND. SAFE SEPARATION DISTANCES FOR HERO ARE PROVIDED FOR ANY SYSTEMS OPERATING WITHIN THE RESPECTIVE FREQUENCY BANDS THAT DO NOT EXCEED THE LISTED OUTPUT POWERS. IT IS IMPORTANT TO NOTE THAT OTHER EMITTER SYSTEMS MAY BE PRESENT AND WILL POTENTIALLY REQUIRE A SAFE SEPARATION DISTANCE DIFFERENT THAN THAT LISTED BELOW. FOR SYSTEMS OUTSIDE OF THE FREQUENCY BANDS INDENTIFIED BELOW OR FOR SYSTEMS WITH GREATER OUTPUT POWERS, THE HERO CALCULATOR FOUND IN REF A CAN BE USED TO DETERMINE THE SAFE SEPARATION DISTANCE FOR HERO UNSAFE AND HERO SUSCEPTIBLE ORDNANCE, OTHERWISE CONTACT NAVSURFWARCEN DAHLGREN (Q52), MR. CHARLES DENHAM AT COMMERCIAL (540)653-3444 OR E-MAIL CHARLES.DENHAM@NAVY.MIL FOR SPECIFIC GUIDANCE. WHEN THESE SYSTEMS ARE POWERED ON/IN OPERATION, THE FOLLOWING GUIDANCE IS PROVIDED REGARDLESS OF THE TYPE OF VEHICLE OR WHETHER THE SYSTEM(S) ARE MOUNTED ON A VEHICLE OR IN A SELF-SUPPORTING CONFIGURATION. EXAMPLES OF THE SIGNIFICANT COMMUNICATION/EMITTING SYSTEMS OF CONCERN ARE LISTED BELOW BY FREQUENCY BAND:

A. 1.6-60 MHZ (HF BAND RADIOS INCLUDING AN/VRC-104, AN/TRC-209, AN/MRC-148, AND AN/PRC-150 RATED AT 150 WATTS OR LESS): HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 649 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 295 FEET OR GREATER.

B. 30-88 MHZ (VHF BAND VEHICLE RADIOS INCLUDING AN/VRC-88/89/90/91/92, AN/MRC-145 AND AN/PRC-119 RATED AT 50 WATTS OR LESS): HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 324 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 81 FEET OR GREATER.

C. 30-512 MHZ (MULTI-BAND MANPACK AND VEHICLE LOS RADIOS INCLUDING AN/PRC-117F, AN/VRC-103, AN/VRC-110, AN/PSC-5, AND AN/VRC-111 RATED AT 50 WATTS OR LESS): HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 324 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 81 FEET OR GREATER.

D. 225-500 MHZ (AN/PSC-5 SATCOM AND SATCOM SYSTEMS AND AN/VSQ-2 EPLRS RATED AT 100 WATTS OR LESS): HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 229 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 57 FEET OR GREATER.

E. 30-512 MHZ (MULTI-BAND HANDHELD RADIOS INCLUDING AN/PRC-148 AND AN/PRC-152 RATED AT 5 WATTS OR LESS): HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 89 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 22 FEET OR GREATER.

F. 380-470 MHZ (LAND, MOBILE RADIOS INCLUDING AN/PRC-153 AND MOTOROLA ASTRO RATED AT 5 WATTS OR LESS): HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 22 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 10 FEET OR GREATER.

G. 1350-5000 MHZ (GROUND LOS RADIOS RATED AT 1.4 WATTS OR LESS): HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 10 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 10 FEET OR GREATER.

H. 1350-5000 MHZ (GROUND LOS RADIOS RATED 25-400 WATTS): HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 43 FEET OR GREATER. HERO SUSCEPTIBLE SAFE SEPARATION DISTANCE IS 10 FEET OR GREATER.

9. A NUMBER OF GROUND ELECTRONIC WARFARE (EW) SYSTEMS HAVE BEEN EVALUATED AT NSWCDD AND DUE TO THE VARYING LOAD SETS ASSOCIATED WITH THESE SYSTEMS, THE SAFE SEPARATION DISTANCES FOR UNSAFE AND SUSCEPTIBLE ORDNANCE WILL VARY THROUGHOUT THE GROUND ELECTRONIC WARFARE SYSTEM BAND. THE FOLLOWING SAFE SEPARATION DISTANCES APPLY. FOR SPECIFIC HERO GUIDANCE FOR GROUND ELECTRONIC WARFARE SYSTEMS NOT LISTED HERE, CONTACT NAVSURFWARCEN DAHLGREN (Q52), MR. ANTHONY STATON AT COMMERCIAL (540)653-6961 OR E-MAIL ANTHONY.STATON@NAVY.MIL.

A. AN/PLT-4 - HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 38 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 10 FEET OR GREATER.

B. CESAS (OMNI-DIRECTIONAL, 500 WATTS)- HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 850 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 212 FEET OR GREATER.

C. CESAS (DIRECTIONAL, 500 WATTS) HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 1604 FEET

OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 401 FEET OR GREATER.
D. CHAMELEON - HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 201 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 50 FEET OR GREATER.
E. CHANNEL ACORN - HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 78 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 20 FEET OR GREATER.
F. CHANNEL BEECH - HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 53 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 13 FEET OR GREATER.
G. CHANNEL PECAN - HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 458 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 115 FEET OR GREATER.
H. CHANNEL SPRUCE - HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 648 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 162 FEET OR GREATER.
I. CVRJ-2.1 - HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 124 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 31 FEET OR GREATER.
J. CVRJ-2.1 FIXED SITE - HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 20 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 10 FEET OR GREATER.
K. DUKE V2 AND V3 - HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 228 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 57 FEET OR GREATER.
L. DUKE / JUKEBOX - HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 15 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 10 FEET OR GREATER.
M. GUARDIAN - HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 21 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 5 FEET OR GREATER.
N. HUNTER - HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 121 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 31 FEET OR GREATER.
O. MICE - HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 15 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 4 FEET OR GREATER.
P. MMBJ - HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 76 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 19 FEET OR GREATER.
Q. SSVJ - HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 31 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 10 FEET OR GREATER.
R. SYMPHONY - HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 60 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 15 FEET OR GREATER.
S. THOR-1 - HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 79 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 19 FEET OR GREATER.
T. THOR II (AN/PLT-5) - HERO UNSAFE ORDNANCE SAFE SEPARATION DISTANCE IS 86 FEET OR GREATER. HERO SUSCEPTIBLE ORDNANCE SAFE SEPARATION DISTANCE IS 21 FEET OR GREATER.
10. A BLANKET LIST OF ALL USMC CLASS V(W) GROUND ORDNANCE IN INVENTORY WAS CONSIDERED AS WELL AS NAVY EOD AND SPECWAR ORDNANCE, AIR FORCE EOD ORDNANCE, AND SOME ARMY ORDNANCE. MOST OF THE NAVY, USMC, AND AIR FORCE ITEMS, AND THE RESPECTIVE HERO CLASSIFICATIONS AND SUSCEPTIBILITIES CAN BE FOUND IN REF B. AVIATION ORDNANCE ASSETS WERE NOT CONSIDERED AS THEY ARE NOT EXPECTED TO BE IN/AND AROUND MOBILE SYSTEMS IN AN UNCONTROLLED HERO ENVIRONMENT. ALSO, DAMAGED DOD ORDNANCE, UNKNOWN FOREIGN ORDNANCE AND, MOST IMPORTANTLY, ANY IMPROVISED EXPLOSIVE DEVICE MUST BE TREATED AS HERO UNSAFE ORDNANCE DUE TO THE UNKNOWN SAFETY ASPECTS OF THESE TYPES OF ORDNANCE WITH REGARDS TO HERO.
A. THE FOLLOWING ITEMS ARE CONSIDERED HERO UNSAFE ORDNANCE AND THE HERO UNSAFE SEPARATION DISTANCES WILL APPLY WHEN THESE ITEMS ARE NOT ENCLOSED IN A SEALED ALL-METAL CONTAINER OR IN AN APPROVED ELECTROSTATIC DISCHARGE (ESD)/HERO BARRIER BAG (NOTE: MOST OF THE BELOW ITEMS ARE CONSIDERED HERO UNSAFE ORDNANCE AS THEY HAVE NEVER BEEN EVALUATED FOR HERO AND SOME ARE NO LONGER AVAILABLE FOR SERVICE ISSUE AND ARE ANNOTATED AS OBSOLETE):
D501 PROJECTILE 155MM (USMC) (SAFETY CONSEQUENCE)
D502 PROJECTILE 155MM (USMC) (SAFETY CONSEQUENCE)
D503 PROJECTILE 155MM (USMC) (SAFETY CONSEQUENCE)
D509 PROJECTILE 155MM (USMC) (SAFETY CONSEQUENCE)
D514 PROJECTILE, 155 MM, AT, M741A1 (ARMY) (SAFETY CONSEQUENCE)
D515 PROJECTILE, 155 MM AT, M718A1 (ARMY) (SAFETY CONSEQUENCE)
HX04 SMAW, 83MM (NAVY, ARMY, USMC) OBSOLETE (RELIABILITY CONSEQUENCE)
J003 CANISTER, MINE, ANTI-TANK, VOLCANO, M87A1 (ARMY) (SAFETY CONSEQUENCE)
K886 FUZE, SMOKE POT, M209 ELECTRIC, TYPE (ARMY, USMC) (SAFETY CONSEQUENCE)
L367 SIMULATOR, M22, LAUNCHING, ANTITANK, GUIDED MISSILE/ROCKET (ARMY) (SAFETY CONSEQUENCE)
L592 BLAST SIMULATOR ASSY, F/TOW M70 TRAINING SET (USMC) (SAFETY CONSEQUENCE)
L596 SIMULATOR, FLASH, ARTILLERY, M110, W/IGNITER (USMC) (SAFETY CONSEQUENCE)

L602 SIMULATOR, FLASH, ARTILLERY, M21 (ARMY, USMC) (SAFETY CONSEQUENCE)
L709 SIMULATOR, TARGET HIT, M25 (USMC) (SAFETY CONSEQUENCE)
L720 SIMULATOR, TARGET KILL, M26 (USMC) (SAFETY CONSEQUENCE)
MM16 MUNITION, ATTACK, DEMOLITION, M3, WITH BLASTING CAP (NAVY) (SAFETY CONSEQUENCE)(NOTE: W/O BLASTING CAP NO HERO REQUIREMENT)
MN60 IGNITER, ELECTRIC MATCH, M79 (ARMY) (SAFETY CONSEQUENCE)
MW02 VALVE, EXPLOSIVE, ELECTRIC INITIATED (USMC) (SAFETY CONSEQUENCE)
M091 CAP, BLASTING, SPECIAL, ELECTRIC, NO 11 DELAY (NAVY) (SAFETY CONSEQUENCE)
M092 CAP, BLASTING, SPECIAL, ELECTRIC, NO 12 DELAY (NAVY) (SAFETY CONSEQUENCE)
M093 CAP, BLASTING, SPECIAL, ELECTRIC, NO 13 DELAY (NAVY) (SAFETY CONSEQUENCE)
M094 CAP, BLASTING, SPECIAL, ELECTRIC, NO 14 DELAY (NAVY) (SAFETY CONSEQUENCE)
M095 CAP, BLASTING, SPECIAL, ELECTRIC, NO 15 DELAY (NAVY) (SAFETY CONSEQUENCE)
M845 SQUIB, ELECTRIC, S67, 72 IN. LEG LG (USMC, NAVY) (SAFETY CONSEQUENCE)
M852 SQUIB, MK 13 MOD 0 (NAVY) (SAFETY CONSEQUENCE)
M862 SQUIB, ELECTRIC, S-75, 1.5 GRAIN (NAVY, USMC) (SAFETY CONSEQUENCE)
N464 FUZE, PROXIMITY, M732 (ARMY) (RELIABILITY CONSEQUENCE)
SQ85 SQUIB, ELECTRIC (SAFETY CONSEQUENCE)
9W23 KIT, CONTROL UNIT, MK 126 TYPE, F/LIMPET ASSEMBLY, MODULAR MK 5 (NAVY) (SAFETY CONSEQUENCE)
MARCORSYSCOM (PM AMMO) IS CONTINUING TO WORK WITH THE OTHER SERVICES TO PRODUCE A MORE COMPREHENSIVE LIST OF DEPLOYED GROUND MUNITIONS. MARCORSYSCOM (PM AMMO) AND NAVSURFWARCEN DAHLGREN ARE ALSO WORKING TO REDUCE/ELIMINATE THE NUMBER OF ITEMS CLASSIFIED AS HERO UNSAFE AND HERO SUSCEPTIBLE (RESTRICTED) DEPLOYED IN THEATER THROUGH TEST AND ANALYSIS EFFORTS AS MANY OF THOSE ITEMS CARRY THAT CLASSIFICATION AS A RESULT OF NO PRIOR HERO TESTING.
B. THE FOLLOWING ITEMS ARE CLASSIFIED AS HERO SUSCEPTIBLE ORDNANCE (RESTRICTED) AND THE HERO SUSCEPTIBLE SAFE SEPARATION DISTANCES WILL APPLY FOR THE ABOVE FREQUENCY BANDS AS DESCRIBED BELOW WHEN THESE ITEMS ARE NOT ENCLOSED IN A SEALED ALL-METAL CONTAINER OR IN AN APPROVED ELECTROSTATIC DISCHARGE (ESD)/HERO BARRIER BAG AS DESCRIBED BELOW:
BA33 CTG, 40MM MULTI-FLASH-BANG, TUBE LAUNCHED, VENOM RESTRICTIONS APPLY IN THE 2 MHZ TO 790 MHZ FREQUENCY BANDS DURING HANDLING AND LOADING PHASES OF OPERATIONS WHEN OUTSIDE OF AN APPROVED MIL-PRF-81705 TYPE 1 BARRIER BAG. IT IS UNRESTRICTED IN ALL OF THE OTHER ABOVE FREQUENCY BANDS AND PHASES OF OPERATION. (SAFETY CONSEQUENCE)
CA32 CTG, 105 MM HEP-T M393A3 (ARMY) UNEVALUATED FOR HERO AND RESTRICTIONS APPLY TO ALL OF THE ABOVE FREQUENCY BANDS IN ALL PHASES OF OPERATION. (SAFETY CONSEQUENCE)
CA40 CTG., 105MM APERS XM1040 (ARMY) UNEVALUATED FOR HERO AND RESTRICTIONS APPLY TO ALL OF THE ABOVE FREQUENCY BANDS IN ALL PHASES OF OPERATION (SAFETY CONSEQUENCE)
C508 CTG, 105 MM (ARMY) UNEVALUATED FOR HERO AND RESTRICTIONS APPLY TO ALL OF THE ABOVE FREQUENCY BANDS IN ALL PHASES OF OPERATION (SAFETY CONSEQUENCE)
C511 CTG, 105 MM (ARMY) UNEVALUATED FOR HERO AND RESTRICTIONS APPLY TO ALL OF THE ABOVE FREQUENCY BANDS IN ALL PHASES OF OPERATION (SAFETY CONSEQUENCE)
C518 CTG, 105 MM (ARMY) UNEVALUATED FOR HERO AND RESTRICTIONS APPLY TO ALL OF THE ABOVE FREQUENCY BANDS IN ALL PHASES OF OPERATION (SAFETY CONSEQUENCE)
D510 PROJECTILE, 155 MM, HE, GUIDED COPPERHEAD , M712 (ARMY) RESTRICTIONS APPLY IN THE 2 MHZ TO 700 MHZ FREQUENCY RANGE FOR HANDLING/LOADING, STAGED, AND PLATFORM LOADED PHASES AND WHEN EXPOSED OUTSIDE OF ITS SEALED ALL-METAL CONTAINER. IT IS UNRESTRICTED IN ALL OF THE OTHER ABOVE FREQUENCY BANDS. (RELIABILITY CONSEQUENCE)
FZ14 GREN, RIOT CONTROL CS L96 (ARMY, USMC) UNEVALUATED FOR HERO AND RESTRICTIONS APPLY TO ALL OF THE ABOVE FREQUENCY BANDS IN ALL PHASES OF OPERATION (SAFETY CONSEQUENCE)
FZ15 GREN, PRAC RIOT CONTROL L97 (ARMY, USMC) UNEVALUATED FOR HERO AND RESTRICTIONS APPLY TO ALL OF THE ABOVE FREQUENCY BANDS IN ALL PHASES OF OPERATION (SAFETY CONSEQUENCE)
FZ16 GREN, DISTRACTION M98 (USMC) UNEVALUATED FOR HERO AND RESTRICTIONS APPLY TO ALL OF THE ABOVE FREQUENCY BANDS IN ALL PHASES OF OPERATION (SAFETY CONSEQUENCE)
FZ17 GREN, BLUNT TRAUMA M99 (USMC) UNEVALUATED FOR HERO AND RESTRICTIONS APPLY TO ALL OF THE ABOVE FREQUENCY BANDS IN ALL PHASES OF OPERATION (SAFETY CONSEQUENCE)
G815 GREN, LAUNCHER SMK INFRARED SCREEN (ARMY, USMC) LAV-AD AND ASSAULT BREACHER VEHICLE APPLICATIONS HAVE NO RESTRICTIONS. RESTRICTIONS APPLY TO ALL OTHER PLATFORMS IN ALL OF THE ABOVE FREQUENCY BANDS AND IN ALL PHASES OF OPERATIONS. (SAFETY CONSEQUENCE)
G826 GREN, LAUNCHER SMK INFRARED SCREENING M76 (ARMY, USMC) LAV-AD AND ASSAULT BREACHER VEHICLE APPLICATIONS HAVE NO RESTRICTIONS. RESTRICTIONS APPLY TO ALL OTHER PLATFORMS IN ALL OF THE ABOVE FREQUENCY BANDS AND IN ALL PHASES OF OPERATIONS. (SAFETY CONSEQUENCE)

G978 GREN, LAUNCHER SMK SIM SCREENING M82 (ARMY, USMC) LAV-AD AND ASSAULT BREACHER VEHICLE APPLICATIONS HAVE NO RESTRICTIONS. RESTRICTIONS APPLY TO ALL OTHER PLATFORMS IN ALL OF THE ABOVE FREQUENCY BANDS AND IN ALL PHASES OF OPERATIONS. (SAFETY CONSEQUENCE)
GG03 GREN, SMOKE TA M90 (ARMY, USMC) RESTRICTIONS APPLY TO THE HMMWV W/LVOSS DURING HANDLING AND LOADING EVOLUTIONS FOR EMITTERS BETWEEN 30 MHZ AND 90 MHZ. FOR ALL OTHER PLATFORMS THE RESTRICTIONS APPLY TO ALL OF THE ABOVE BANDS AND FOR ALL PHASES OF OPERATIONS. (SAFETY CONSEQUENCE)
J143 ROCKET MOTOR, 5-INCH MK 22 MOD 3 (ARMY, USMC) RESTRICTIONS APPLY WHEN USED WITH THE LINEAR DEMOLITION CHARGE SYSTEM IN THE 30 MHZ TO 790 MHZ FREQUENCY BAND DURING THE TRANSPORTATION AND STORAGE, HANDLING AND LOADING, STAGED, AND PLATFORM LOADED PHASES OF OPERATIONS. IT IS UNRESTRICTED IN ALL OF THE OTHER ABOVE FREQUENCY BANDS. (SAFETY CONSEQUENCE)
K143 MINE, APERS M18A1 W/M57 FIRING DEVICE (ARMY, USMC, NAVY, AIR FORCE) RESTRICTIONS APPLY IN THE 2 MHZ TO 150 MHZ FREQUENCY BAND DURING HANDLING AND LOADING OPERATIONS WHEN EXPOSED OUTSIDE OF AN APPROVED MIL-PRF-81705 TYPE 1 BARRIER BAG. IT IS UNRESTRICTED IN ALL OF THE OTHER ABOVE FREQUENCY BANDS. (SAFETY CONSEQUENCE)
L595 SIMULATOR, PROJECTILE, LIQUID AIR BURST, M9 (ARMY) UNEVALUATED FOR HERO AND RESTRICTIONS APPLY TO ALL OF THE ABOVE FREQUENCY BANDS. (SAFETY CONSEQUENCE)
M130 CAP, BLASTING ELECTRIC M6 (ARMY, USMC, NAVY, AIR FORCE) RESTRICTIONS APPLY IN THE 2 MHZ TO 30 MHZ, 30 MHZ TO 150 MHZ, AND 225 MHZ TO 790 MHZ FREQUENCY BANDS DURING THE HANDLING AND LOADING PHASES OF OPERATIONS WHEN OUTSIDE OF AN APPROVED MIL-PRF-81705 TYPE 1 BARRIER BAG. IT IS UNRESTRICTED IN ALL OF THE OTHER ABOVE FREQUENCY BANDS AND PHASES OF OPERATION. (SAFETY CONSEQUENCE)
M025 CHARGE, DEMOLITION, HE, LINEAR, M58 (ARMY) RESTRICTIONS APPLY WHEN USED WITH M1134 SERIES FUZES IN THE 30 MHZ TO 150 MHZ, 150 MHZ TO 225 MHZ AND 225 MHZ TO 790 MHZ FREQUENCY BANDS WHEN OUTSIDE OF A SEALED, ALL-METAL CONTAINER DURING TRANSPORTATION AND STORAGE, HANDLING AND LOADING, STAGED, PLATFORM LOADED, AND IMMEDIATE POST-LAUNCH PHASES. THESE ITEMS ARE UNRESTRICTED IN ALL OF THE OTHER ABOVE FREQUENCY BANDS. (SAFETY CONSEQUENCE)
M598 DESTROYER, CRYPTO EQUIPMENT M1 SERIES TH4 (USMC) RESTRICTIONS APPLY IN THE 2 MHZ TO 30 MHZ FREQUENCY BAND DURING THE HANDLING AND LOADING PHASE OF OPERATIONS WHEN OUTSIDE OF ITS SEALED, ALL-METAL CONTAINER. IT IS UNRESTRICTED IN ALL OF THE OTHER ABOVE FREQUENCY BANDS AND PHASES OF OPERATION. (SAFETY CONSEQUENCE)
M913 CHG, DEMO HE LINEAR M58A4 (ARMY, USMC) RESTRICTIONS APPLY WHEN USED WITH M1134 SERIES FUZES IN THE 30 MHZ TO 150 MHZ, 150 MHZ TO 225 MHZ AND 225 MHZ TO 790 MHZ FREQUENCY BANDS WHEN OUTSIDE OF A SEALED, ALL-METAL CONTAINER DURING TRANSPORTATION AND STORAGE, HANDLING AND LOADING, STAGED, PLATFORM LOADED, AND IMMEDIATE POST-LAUNCH PHASES. THESE ITEMS ARE UNRESTRICTED IN ALL OF THE OTHER ABOVE FREQUENCY BANDS. (SAFETY CONSEQUENCE)
ML25 CHG, DEMO HE LINEAR M59A1 (USMC) RESTRICTIONS APPLY WHEN USED WITH M1134 SERIES FUZES IN THE 30 MHZ TO 150 MHZ, 150 MHZ TO 225 MHZ AND 225 MHZ TO 790 MHZ FREQUENCY BANDS WHEN OUTSIDE OF A SEALED, ALL-METAL CONTAINER DURING TRANSPORTATION AND STORAGE, HANDLING AND LOADING, STAGED, PLATFORM LOADED, AND IMMEDIATE POST-LAUNCH PHASES. THESE ITEMS ARE UNRESTRICTED IN ALL OF THE OTHER ABOVE FREQUENCY BANDS. (SAFETY CONSEQUENCE)
MW86 KIT, FIRING DEVICE, MK48 MOD 0 AND 1 (NAVY) RESTRICTIONS APPLY IN THE 30 MHZ TO 150 MHZ AND 225 MHZ TO 790 MHZ FREQUENCY BANDS DURING THE HANDLING AND LOADING, STAGED, AND PLATFORM LOADED PHASES OF OPERATIONS. IT IS UNRESTRICTED IN ALL OF THE OTHER ABOVE FREQUENCY BANDS. (SAFETY CONSEQUENCE)
NA09 FUZE, MULTI-OPTION M782 (ARMY, USMC) RESTRICTIONS APPLY WHEN EXPOSED OUTSIDE OF AN RF PROTECTIVE CONTAINER DURING HANDLING AND LOADING FOR EMITTERS BETWEEN 2 MHZ AND 790 MHZ. IT IS UNRESTRICTED IN ALL OF THE OTHER ABOVE FREQUENCY BANDS AND PHASES OF OPERATION. (RELIABILITY CONSEQUENCE)
WF82 GM, SURFACE ATTACK, BGM-71H, BUNKER BUSTER (ARMY) UNEVALUATED FOR HERO AND RESTRICTIONS APPLY TO ALL OF THE ABOVE FREQUENCY BANDS IN ALL PHASES OF OPERATION. (SAFETY CONSEQUENCE)
C. THE FOLLOWING ITEMS ARE CLASSIFIED AS HERO SUSCEPTIBLE ORDNANCE (UNRESTRICTED). A REVIEW OF THE SUSCEPTIBILITY DATA AND THE DEFINED ELECTROMAGNETIC ENVIRONMENT FOR THE FREQUENCY BANDS/OUTPUT POWERS DEFINED IN PARAGRAPH 8 AND THE EW SYSTEMS DEFINED IN PARAGRAPH 9 HAS SHOWN THAT THESE ITEMS WILL NOT REQUIRE ANY RESTRICTIONS IN THE FORM OF SAFE SEPARATION DISTANCES. IN ADDITION, THE REF A 10-FOOT SAFE SEPARATION DISTANCE (GENERAL REQUIREMENT) IS WAIVED; HOWEVER, DURING OPERATIONS INVOLVING THESE ITEMS, ALL OTHER GENERAL HERO REQUIREMENTS IN REF A APPLY:
DA39 PROJECTILE, 155 MM (ARMY)) (RELIABILITY CONSEQUENCE)
HA08 ROCKET AND LAUNCHER, 83MM, SMAW-D (ARMY) (RELIABILITY CONSEQUENCE)

H104 ROCKET POD, 298MM TACTICAL M26 MLRS (ARMY, USMC) (RELIABILITY CONSEQUENCE)
K152 MINE, ANTIPERSONNEL (ARMY) (RELIABILITY CONSEQUENCE)
M174 CTG, CAL .50 IMPULSE ELECTRICALLY-INITIATED (ARMY, USMC, NAVY, AIR FORCE) (SAFETY CONSEQUENCE)
ML82 FUZE, ELECTRIC M1134A3 (USMC) (SAFETY CONSEQUENCE)
MN79 MINE CLEARANCE, APOBS MK 7 MOD 1 (ARMY, USMC) (SAFETY CONSEQUENCE)
MW52 CHARGE KIT, EXPLOSIVE SHEET MK 57 MOD 0 (ARMY, NAVY) (SAFETY CONSEQUENCE)
PB93 GM, SURFACE ATTACK TOW (USMC) (SAFETY CONSEQUENCE)
PB97 GM, SURFACE ATTACK TOW (USMC) (SAFETY CONSEQUENCE)
PB99 GM, PRAC TOW (USMC) (SAFETY CONSEQUENCE)
PD62 GM, SURFACE ATTACK TOW-2A (ARMY, USMC) (SAFETY CONSEQUENCE)
PE96 GM, SURFACE ATTACK TOW-2A (ARMY, USMC) (SAFETY CONSEQUENCE)
PV18 GM, SURFACE ATTACK TOW-2B (ARMY, USMC) (SAFETY CONSEQUENCE)
PV47 GM, SURFACE ATTACK BGM-71E-3B (TOW-2A) (ARMY, USMC) (SAFETY CONSEQUENCE)
PV82 GM, SURFACE ATTACK BGM-71F-1 (TOW-2B) (ARMY, USMC) (SAFETY CONSEQUENCE)
WF10 GM, SURFACE ATTACK BGM-71D-5 (TOW-2) (USMC) (SAFETY CONSEQUENCE)
WH03 MISSILE, SURFACE ATTACK BGM-71E (TOW-2A) (USMC) (SAFETY CONSEQUENCE)
WH04 MISSILE, SURFACE ATTACK BGM-71E (TOW-2A) (USMC) (SAFETY CONSEQUENCE)
WH05 MISSILE, SURFACE ATTACK BGM-71E (TOW-2A) (USMC) (SAFETY CONSEQUENCE)
WH06 MISSILE, SURFACE ATTACK BGM-71E (TOW-2A) (USMC) (SAFETY CONSEQUENCE)
11. ACTIONS/RECOMMENDATIONS: A. ALL HERO SUSCEPTIBLE (RESTRICTED) AND UNSAFE ORDNANCE SHALL EITHER BE KEPT OUTSIDE THE STANDOFF DISTANCE EXCLUSION ZONES, AS DISCUSSED ABOVE, OR BE PROPERLY PACKAGED IN EITHER A SEALED ALL-METAL CONTAINER OR IN AN APPROVED ELECTROSTATIC DISCHARGE (ESD)/HERO BARRIER BAG WHEN WITHIN THE EXCLUSION ZONES. THIS INCLUDES ITEMS THAT ARE TRANSPORTED INSIDE VEHICLES. UNCERTAINTIES REGARDING HERO SHALL BE BROUGHT TO THE ATTENTION OF THE UNIT'S EXPLOSIVE/TACTICAL SAFETY OFFICER AND EXPLOSIVE ORDNANCE DISPOSAL (EOD) PERSONNEL. FOR ALL HERO SAFE ORDNANCE, THE REF A 10-FOOT SAFE SEPARATION DISTANCE (GENERAL REQUIREMENT) IS WAIVED PROVIDED ORDNANCE DOES NOT COME INTO CONTACT WITH THE ANTENNA; HOWEVER, DURING OPERATIONS INVOLVING THESE ITEMS, ALL OTHER GENERAL HERO REQUIREMENTS IN REF A APPLY.
B. ALL PRE-OPERATIONAL SAFETY BRIEFS SHALL INCLUDE ADDRESSAL OF HERO. SPECIFICALLY, IDENTIFYING HERO SUCEPTIBLE/UNSAFE ORDNANCE BEING TRANSPORTED/UTILIZED DURING THAT OPERATION AND A REVIEW OF THE REQUIRED SAFETY MITIGATIONS; E.G. MAINTAINING ORDNANCE IN A METAL SEALED CONTAINER, HERO/ESD BAG AND/OR ENFORCEMENT OF APPROPRIATE SAFE SEPARATION DISTANCES.
C. VEHICLE COMMANDERS AND EMITTER OPERATORS SHALL MAINTAIN SITUATIONAL AWARENESS TO THE MAXIMUM EXTENT PRACTICAL TO NOT OPERATE EMITTING SYSTEMS IF ANY OF THE ABOVE UNSAFE OR SUSCEPTIBLE (RESTRICTED) ORDNANCE ITEMS ARE BEING UTILIZED WITHIN THE SAFE SEPARATION DISTANCES FROM THEIR EMITTER/VEHICLE. THE BEST USE OF THE AFOREMENTIONED INFORMATION IS AT THE MISSION PLANNING AND CONVOY PLANNING STAGES FOR ORM WHERE FREQUENCY MANAGEMENT AND THE CHOICE OF ORDNANCE FOR MISSION SUPPORT CAN BE PLANNED TO MINIMIZE HERO CONCERNS ONCE DEPLOYED.
D. PM AMMO, UNDER THEIR INVENTORY CONTROL POINT (ICP) FUNCTION, MITIGATES SOURCING OF ANY HERO SUSCEPTIBLE/HERO UNSAFE ASSETS DESTINED FOR THEATER COMMENSURATE WITH AVAILABILITY.
E. FOR STATIC FACILITIES IN THEATER (AIR FIELDS AND ASPS), HERO SURVEYS SHOULD BE CONDUCTED TO ESTABLISH A BASELINE HERO POSTURE AND SPECIFIC HERO EMCON PROCEDURES FOR MANAGING THE STORAGE, TRANSPORTATION, BUILD-UP, AND DEPLOYMENT OF ORDNANCE. INFORMATION REGARDING HERO SURVEYS AND TRAINING CAN BE OBTAINED BY CONTACTING THE NAVSURFWARCEN DAHLGREN (Q52), MR. CHARLES DENHAM AT COMMERCIAL (540)653-3444 OR E-MAIL CHARLES.DENHAM@NAVY.MIL. ASP ENTRY POINT PERSONNEL SHALL ESTABLISH ENTRY POINTS AND PROVIDE PERSONNEL TO ENFORCE SAFE SEPARATION DISTANCE REQUIREMENTS ON APPROACHING VEHICLES. ADDITIONALLY, ASPS SHALL SAFEGUARD UNSAFE/SUSCEPTIBLE ORDNANCE FROM THE HERO ENVIRONMENT BY PLACING ITEMS IN SEALED METAL CONTAINERS AND/OR BY PLACING THESE ITEMS AWAY FROM TRANSPORTATION ROUTES WHERE EMITTERS MAY BE UNINTENTIONALLY UTILIZED.
12. COMPLIANCE IS REQUIRED TO THE MAXIMUM EXTENT PRACTICABLE DUE TO THE POTENTIAL FOR INADVERTENT INITIATION OF HERO SENSITIVE ORDNANCE WHICH MAY CAUSE EQUIPMENT DAMAGE, PERSONNEL INJURY, AND/OR DEATH. THE SAFE SEPARATION DISTANCES PROVIDED ABOVE REPRESENT A WORST-CASE DISTANCE FOR EMITTER SYSTEMS BELOW A RATED OUTPUT POWER WITHIN SPECIFIC FREQUENCY BANDS. THE DIFFICULTY IN ENFORCEMENT OF THE ABOVE IN A HIGHLY DYNAMIC AND MOBILE ENVIRONMENT IS UNDERSTOOD, HOWEVER, IF THE ABOVE ACTIONS/RECOMMENDATIONS ARE ACTIVELY SUSTAINED/MAINTAINED, THE POTENTIAL FOR MISHAP AS A RESULT OF HERO WILL BE DRAMATICALLY REDUCED.
13. THE FOLLOWING POC'S MAY BE CONTACTED FOR QUESTIONS OR ADDITIONAL INFORMATION. POC FOR MARCORSYSCOM (PM AMMO/SAFETY)/SCOTT ALLRED/YD-3/UNIT: MARCORSYSCOM 00T1/DSN: 378-8756/COMMERCIAL: 703-432-8756/EMAIL: SCOTT.ALLRED@USMC.MIL//

POC FOR HERO/CHARLES DENHAM/GS-14/Q52 NSWCDD/LOC: DAHLGREN, VA/TEL: (540)653-3444/TEL:DSN 249-3444/EMAIL:CHARLES.DENHAM@NAVY.MIL//
GENTEXT/REMARKS/1.
14. THIS SAFETY OF USE ALERT WILL BE CANCELLED BY THIS COMMAND VIA A SEPARATE MESSAGE.
15. REQUEST READDRESSAL OF THIS MESSAGE TO SUBORDINATE COMMANDS FOR WIDEST DISSEMINATION TO AFFECTED UNITS AND PERSONNEL.//

Details:

TO Addressees
DOD, USMC, ADDRESS LISTS, AL 11192, AL 11192(UC)
CC/Info Addressees
DOD, USMC, ORGANIZATIONS, COMMARCORSYSCOM, COMMARCORSYSCOM QUANTICO VA(UC), COMMARCORSYSCOM QUANTICO VA 00T(UC)
DOD, USMC, ORGANIZATIONS, COMMARCORSYSCOM, COMMARCORSYSCOM QUANTICO VA(UC)
DOD, USMC, ORGANIZATIONS, CMC WASHINGTON DC(UC), CMC WASHINGTON DC PPO(UC)
DOD, USMC, ORGANIZATIONS, CMC WASHINGTON DC(UC), CMC WASHINGTON DC L(UC), CMC WASHINGTON DC L LPE(UC)
DOD, USMC, ORGANIZATIONS, MCLB ACTIVITIES, CG MARCORLOGCOM ALBANY GA(UC)
DOD, USMC, ORGANIZATIONS, COMMARFORSOC, COMMARFORSOC(UC)
DOD, AF, ORGANIZATIONS, AFSC CC(UC)
DOD, ARMY, ORGANIZATIONS, TACOM, TACOM SAFETYOFUSE(UC)
DOD, NAVY, ORGANIZATIONS(UC), COMNAVSEASYSCOM WASHINGTON DC(UC)
DOD, NAVY, ORGANIZATIONS(UC), COMNAVSAFECEN NORFOLK VA(UC)
Originator-DN: DOD, USMC, ORGANIZATIONS, COMMARCORSYSCOM, COMMARCORSYSCOM QUANTICO VA(UC)
ClassificationMark-ACP120: UNCLASSIFIED//
PrivacyMark-ACP120: PRIVACY MARK UNDEFINED
PrecedenceCopy: PRIORITY
Recipient-DN: DOD, USMC, ORGANIZATIONS, CMC WASHINGTON DC(UC), CMC WASHINGTON DC L(UC), CMC WASHINGTON DC L LPE(UC)
772-Copy-Recipient-DN:
(1) /C=US/O=U.S. GOVERNMENT/OU=DOD/OU=USMC/OU=ORGANIZATIONS/L=MCB QUANTICO VA/OU=COMMARCORSYSCOM/OU=COMMARCORSYSCOM QUANTICO VA(UC)/OU=COMMARCORSYSCOM QUANTICO VA 00T(UC)
(2) /C=US/O=U.S. GOVERNMENT/OU=DOD/OU=USMC/OU=ORGANIZATIONS/L=MCB QUANTICO VA/OU=COMMARCORSYSCOM/OU=COMMARCORSYSCOM QUANTICO VA(UC)
(3) /C=US/O=U.S. GOVERNMENT/OU=DOD/OU=USMC/OU=ORGANIZATIONS/L=HQMC WASHINGTON DC/OU=CMC WASHINGTON DC(UC)/OU=CMC WASHINGTON DC PPO(UC)
(4) /C=US/O=U.S. GOVERNMENT/OU=DOD/OU=USMC/OU=ORGANIZATIONS/L=HQMC WASHINGTON DC/OU=CMC WASHINGTON DC(UC)/OU=CMC WASHINGTON DC L(UC)/OU=CMC WASHINGTON DC L LPE(UC)
(5) /C=US/O=U.S. GOVERNMENT/OU=DOD/OU=USMC/OU=ORGANIZATIONS/L=MCLB ALBANY GA/OU=MCLB ACTIVITIES/OU=CG MARCORLOGCOM ALBANY GA(UC)
(6) /C=US/O=U.S. GOVERNMENT/OU=DOD/OU=USMC/OU=ORGANIZATIONS/L=MCB CAMP LEJEUNE NC/OU=COMMARFORSOC/OU=COMMARFORSOC(UC)
(7) /C=US/O=U.S. GOVERNMENT/OU=DOD/OU=AF/OU=ORGANIZATIONS/L=KIRTLAND AFB NM/OU=AFSC CC(UC)
(8) /C=US/O=U.S. GOVERNMENT/OU=DOD/OU=ARMY/OU=ORGANIZATIONS/L=CONUS/L=WARREN MI/OU=TACOM/OU=TACOM SAFETYOFUSE(UC)
(9) /C=US/O=U.S. GOVERNMENT/OU=DOD/OU=NAVY/OU=ORGANIZATIONS(UC)/L=DISTRICT OF COLUMBIA/L=WASHINGTON/OU=COMNAVSEASYSCOM WASHINGTON DC(UC)
(10) /C=US/O=U.S. GOVERNMENT/OU=DOD/OU=NAVY/OU=ORGANIZATIONS (UC)/L=VIRGINIA/L=NORFOLK/OU=COMNAVSAFECEN NORFOLK VA(UC)