



UNITED STATES MARINE CORPS  
MARINE CORPS AIR STATION  
BOX 99100  
YUMA, ARIZONA 85369-9100

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125 JAN 1996

STATION ORDER P8020.3F

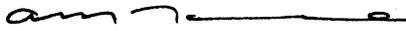
From: Commanding Officer  
To: Distribution List

Subj: EXPLOSIVE SAFETY REGULATIONS

Ref: (a) NAVSEA OP 5, Volumes 1, Sixth Revision (NOTAL)  
(b) NAVSEA OP 3347, Second Revision (NOTAL)  
(c) NAVSEA OP 2239, Fifth Revision (NOTAL)  
(d) NAVSEA OP 2165, Volumes 1, Eleventh Revision (NOTAL)  
(e) NAVSEA OP 2173, Volumes 1 and 2, Third Revision (NOTAL)

Encl: (1) LOCATOR SHEET

1. Purpose. To publish explosive safety regulations for this command as per instructions contained in references (a) through (e).
2. Cancellation. StaO P8020.3E.
3. Action. This order applies to and will be strictly complied with by all personnel concerned with the handling of explosive material on this station. The Stations Explosive Safety Section will monitor ordnance evolutions to ensure compliance. Nothing in this order is to be construed as altering or superseding safety regulations issued by proper authority.
4. Summary of Revision. This revision contains significant changes and should be reviewed in its entirety.
5. Concurrence. The Commanding Officers of MAG-13, 1st LAAM Bn, MACS-7, VMFT-401, MWSS-371, CSSD-16, and MAWTS-1 concur in and make this Directive applicable to all units aboard MCAS Yuma.
6. Certification. Reviewed and approved this date.

  
A. M. TORRANCE  
By direction

Distribution: B

StaO P8020.3F  
25 JAN 1996

LOCATOR SHEET

Subj: Explosive Safety Regulations

Location: \_\_\_\_\_  
(Indicate the location(s) of the copy(ies) of this manual)

ENCLOSURE (1)



# EXPLOSIVE SAFETY REGULATIONS

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EXPLOSIVE SAFETY REGULATIONS

CHAPTER 1

RESPONSIBILITIES

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# EXPLOSIVE SAFETY REGULATIONS

## CHAPTER 1

### RESPONSIBILITIES

#### 1000. COMMANDING OFFICER

1. Has the sole responsibility for explosive safety aboard MCAS Yuma.
2. Shall ensure that a comprehensive explosives safety program is implemented and maintained.

#### 1001. SAFETY AND OCCUPATIONAL HEALTH MANAGER

1. Shall advise the Commanding Officer, MCAS Yuma, for all safety matters pertaining to explosives.
2. Shall supervise and monitor the Explosives Safety Section.
3. Assist in developing safety training for supervisory, nonsupervisory personnel and special operational needs to ensure that safety objectives are attained.

1002. EXPLOSIVES SAFETY SPECIALISTS. Explosive Safety Specialists shall be the designation of personnel assigned to the Explosives Safety Section of MCAS Yuma. The Explosives Safety Specialists responsibilities shall consist of but not be limited to the following:

1. Shall be an advisor to the Safety and Occupational Health Manager on all matters pertaining to Explosive Safety.
2. Shall maintain a Technical Publications Library as a Reference Center on Explosives Safety for MCAS Yuma.
3. Shall conduct Explosives Safety Inspections aboard the Air Station (to include all Armories and Ready Service Lockers).
4. Shall monitor all Ammunition/Ordnance Operations aboard the Station.
5. Shall work with and assist the Station Weapons Officer in all matters pertaining to Ordnance Safety.
6. Shall manage and control the Combat Aircraft Loading Area (CALA) usage for explosive evolutions by tenant and transient units.
7. Shall organize, plan and execute any Explosive Safety Waivers needed by the Air Station and represent the Station at Ammunition and Hazardous Materials Handling Review Boards (AMHAZ).

## EXPLOSIVE SAFETY REGULATIONS

8. Coordinate Explosive Safety Surveys and Inspections of Station units by outside agencies.
9. Shall conduct an Explosive Safety brief for all transit ordnance and ordnance handling crews prior to their handling of any ordnance at MCAS Yuma.
10. Shall monitor the Rifle/Pistol Ranges.
11. Shall monitor the storage of ammunition of PMO/CID/NIS.
12. Shall monitor the certification of explosives vehicles and loads arriving and departing Station.
13. Shall monitor the transportation of explosives aboard Station.
14. Shall assist in the development of Safety Training for supervisory, nonsupervisory personnel and special operational needs to ensure that the explosives safety objectives are attained.

### 1003. COMMANDING OFFICERS AND DEPARTMENT HEADS

1. Shall ensure that all personnel under their cognizance apply and strictly comply with policies and regulations that concern the handling of explosives aboard MCAS Yuma.
2. Shall ensure that all persons handling explosives are qualified/certified in accordance with OPNAVINST 8023.2 for Navy personnel and MCO 8023.2 for Marine Corps personnel and civilian contractors.
3. Shall develop Safety Training for supervisory, nonsupervisory personnel and special operational needs to ensure that safety objectives are attained.

### 1004. SUPERVISORY PERSONNEL

1. Shall be thoroughly familiar with the safety standards pertaining to explosive safety.
2. Shall ensure compliance with the safety standards and authorized procedures by their subordinates.
3. Shall conduct training in the area of explosive safety.

EXPLOSIVE SAFETY REGULATIONS

1005. NONSUPERVISORY PERSONNEL

1. Shall be thoroughly familiar with the safety standards pertaining to explosive safety.
2. Shall comply with all explosives safety standards and procedures.
3. Shall report any unsafe acts or practices to their supervisory personnel for corrective action.

EXPLOSIVE SAFETY REGULATIONS

CHAPTER 2

GENERAL

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# EXPLOSIVE SAFETY REGULATIONS

## CHAPTER 2

### GENERAL

2000. SAFETY BRIEF. The Station Explosive Safety Specialist shall conduct an Explosive Safety Brief for all persons handling ordnance aboard MCAS Yuma.

1. Safety briefs for tenant units shall be scheduled as a part of their normal training schedule.
2. Safety briefs for visiting units shall be conducted prior to the issuance, handling, transporting, loading/downloading of any ordnance.
3. Visiting units should contact the Explosive Safety Section DSN 951-3611 or COMM (520) 341-3611 two weeks prior to their arrival at MCAS Yuma so as to schedule their brief at the earliest possible time after arrival.
4. Briefs will be given Monday through Friday except Holidays from 0700-1500.
5. Pre-deployment conference for incoming squadrons is scheduled by Fleet Liaison and Explosive Safety is a participant.

#### 2001. GENERAL SAFETY PRECAUTIONS

1. Changes, modifications or additions to explosive ordnance material or other material used in connection therewith shall not be made without explicit authority from Naval Sea Systems Command (NAVSEASYS COM)/Naval Air Systems Command (NAVAIRSYSCOM).
2. Safety devices provided shall always be used to reduce the probability of accidents. They shall be kept in good order and operative at all times.
3. No ammunition shall be broken down, tampered with, or fired in any device not designated for that ammunition.
4. Handling of ammunition shall be reduced to a minimum to prevent accidents and damage to munitions or their containers.
5. Care shall be taken to preserve all munition identification.
6. When conducting any ordnance operations the applicable current ordnance pamphlets, instructions, and directives shall be consulted and complied with.
7. A qualified safety observer shall be present during all ordnance evolutions.

## EXPLOSIVE SAFETY REGULATIONS

8. No class 1.1 or 1.2 explosives shall be permitted on the flightline except during designated waived periods.
9. A red flag (International Bravo) shall be hoisted and kept flying at Station Weapons gates 1 and 2 whenever explosives are being handled.
10. Smoking or flame producing articles shall never be permitted around ammunition and explosives.
11. All units will have SOP'S.
12. All hot work permits will be routed through the Explosive Safety Office.

EXPLOSIVE SAFETY REGULATIONS

CHAPTER 3

MAGAZINE AND MAGAZINE AREAS

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## EXPLOSIVE SAFETY REGULATIONS

### CHAPTER 3

#### MAGAZINE AND MAGAZINE AREAS

##### 3000. GENERAL MAGAZINE SAFETY REGULATIONS

1. The keys to Station Ordnance Division magazines are to be under the personal charge of the Station Ordnance Division Officer, who will permit the magazine to be opened at such times, and by such persons, as are specifically authorized by him. No unauthorized personnel shall be permitted into the Station Ordnance Division compound or any buildings assigned to the Station Ordnance Division without the permission of the Station Ordnance Officer, NCOIC, their appointed representative, or a higher authority in the chain of command.
2. The magazine boundary shall be defined by a security fence and posted in accordance with OPNAVINST 5530.13.
3. Magazines shall always be locked when unattended.
4. Each magazine will have its safety rules, precautions, explosive limits, and specific instructions for handling the ordnance contained in that specific magazine posted on the inside of one door.
5. The magazine area shall be free from rubbish, brush and other flammables; a cleared area 50 feet wide shall be maintained around each above ground magazine and earth covered magazine. Vegetation shall be kept away from the ventilators of sub-surface/earth covered magazines to prevent flames from traveling down into the magazine.
6. No hunting is permitted in the magazine area.
7. Smoking shall be prohibited in any magazine, magazine area or in the vicinity of motor trucks or trailers which contain explosives, ammunition or pyrotechnics. Smoking areas shall be designated and marked as such.
8. Ammunition and explosives shall be protected against abnormally high temperatures. Before performing any work which may cause either abnormally high temperatures or an intense heat in magazines or other compartments used primarily as magazines, all explosives shall be removed to safe storage until normal conditions have been restored.
9. Ammunition shall be stored in magazines according to instructions and directives promulgated by NAVSEASYSKOM.
10. Nothing shall be stored in magazines except ammunition, ammunition containers and authorized magazine equipment.
11. All magazines and other buildings containing ammunition or explosives shall be kept clean at all times. No debris of any kind, especially paper, oily rags, cotton waste, oakum paints, cleaning solvents and other volatile

## EXPLOSIVE SAFETY REGULATIONS

liquids, painted cloth, compressed gases or other flammable/combustible waste material will be permitted in or near such buildings.

12. Fire protection and equipment are outlined in chapter four of reference (a).

13. Approved portable lights, electric lanterns and flashlights may be used in magazines, around ammunition motor trucks and trailers or ammunition handling areas.

14. All cranes or lifting devices used in or near areas which contain explosives or ammunition shall be electrically operated or so equipped that they have no open flames. All lifting devices will be load tested at least once a calendar year, or after maintenance of the primary hydraulic system.

15. Explosives are to be exposed to the weather as little as possible. This is especially important for smokeless powder containers which are adversely affected by exposure to the elements.

16. Open shipping containers and containers with covers not securely fastened shall not be allowed in magazines. Containers that have been opened shall be closed and sealed. Packing boxes or cases shall never be opened or repaired closer than 100 feet to a magazine.

17. Compatibility requirements of reference (a) shall be complied with for all ammunition storage.

18. All magazine doors must be unlocked and open when personnel are working inside.

19. Repairs to magazines or equipment will be made by qualified personnel, supervised by a competent ordnance NCO from the Station Ordnance Division. Magazines and the immediate area surrounding them must be inspected for fire hazards before and after repairs.

20. All ordnance evolutions shall be suspended upon the approach of, or during electrical storms. Magazines shall be secured and personnel withdrawn. Detailed procedures are outlined in NA-00-80T-103. Station Weather Section will notify Station Weapons and MALS-13 ordnance on thunderstorm conditions.

21. In explosives handling operations, no one person shall be permitted to work alone in a location where assistance from another cannot be given immediately in the event of an accident.

22. Hermetically sealed containers for cartridge actuated devices must be marked with the date upon which they are opened. Cartridges used for parent racks will be individually marked.

EXPLOSIVE SAFETY REGULATIONS

CHAPTER 4

BOMBS AND BOMB FUZES

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CHAPTER 5

ROCKETS

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# EXPLOSIVE SAFETY REGULATIONS

## CHAPTER 5

### ROCKETS

#### 5000. GENERAL SAFETY REGULATIONS

1. Rocket motors assembled to high explosive heads (HE) may be stored in the propulsive state provided they are stored in complete "launcher-shipper" containers that have been prepared in shipping configurations.
2. Rocket motors without heads present a fire hazard similar to smokeless powder loaded items. They are to be stored in a smokeless powder type magazine.
3. The blast from a nozzle of a rocket when ignited is extremely hot and intense. It is of the utmost importance that personnel do not stand or work directly in front of or behind rockets.
4. Firing circuits shall be kept open at all times until the aircraft is in the arming area and a no voltage check has been performed.
5. Only Explosive Ordnance Disposal (EOD) personnel are authorized to remove the propellant grain from a rocket motor.
6. A rocket motor that has been dropped a any distance, will not be used. It should be clearly marked with the pertinent information concerning the dropping, segregated, and returned to the Station Ordnance Division magazine section NCOIC for proper disposition.
7. Rockets should be kept in a cool or shady place and not in the direct rays of the sun, as the propellant may increase in temperature as much as 20 degrees above outside temperature.
8. Only certified/qualified personnel are authorized to remove rockets from launchers. This will be accomplished in the Station Ordnance Division compound.
9. The selection switch on 2.75" rocket pods shall be placed on "L" at all times except when placed on "A" at the designated arming area.
10. All rocket warheads to include inert warheads will be torqued, if required.

EXPLOSIVE SAFETY REGULATIONS

CHAPTER 6

PYROTECHNICS

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# EXPLOSIVE SAFETY REGULATIONS

## CHAPTER 6

### PYROTECHNICS

#### 6000. GENERAL SAFETY REGULATIONS

1. Only required amounts of pyrotechnic pistol cartridges (pencil flares) shall be stored in aircraft.
2. When a parachute flare with a set fuze is not going to be used, the fuze setting must be returned to the "SAFE" position and the lanyard taped before the parachute flare is stowed in the original container.
3. Cartridge type pyrotechnics will be used only in the devices for which they were intended.
4. Pyrotechnic ammunition shall not be left in aircraft which are down indefinitely or preserved.
5. Pyrotechnic ammunition stowed aboard aircraft shall be properly secured.
6. Pyrotechnic ammunition shall not be disassembled.
7. Pyrotechnic ammunition shall be removed from aircraft prior to going into a hangar for work or check. Pilot survival flares inside the seatpan may remain with the aircraft.
8. Practice bomb signals shall be stowed as pyrotechnics.
9. Pyrotechnics shall not be stowed in the direct rays of the sun.
10. If at any time during flare preparation the timer is accidentally activated, place hand over timer to prevent the timer from falling off when it releases. After release, hold the timer and cut the cord connecting the timer assembly to the parachute package and remove the spring and the timer. Tape the end of the flare to retain the parachute pack. Discard the spring and the timer. Contact EOD personnel to dispose of the flare.

EXPLOSIVE SAFETY REGULATIONS

CHAPTER 7

NAPALM

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# EXPLOSIVE SAFETY REGULATIONS

## CHAPTER 7

### NAPALM

#### 7000. GENERAL SAFETY REGULATIONS

1. Safety precautions concerning the handling and storage of fuel and the fire fighting equipment and techniques currently in use for extinguishing fuel fires are adequate for fires resulting from the ignition of napalm.
2. Damaged napalm tanks that are fully loaded and fuzed shall be handled as follows:
  - a. If leaking and unarmed without severe damage, remove fuzes and ignitors. Rotate tank so that the leak is in an upward position to stop the leak. After stoppage it will be determined if the Gell can be transferred to another tank or turned in to EOD for disposal.
  - b. Napalm tanks suspected of being armed will not be moved. EOD shall be notified to take appropriate action.
3. Napalm tanks will be filled with fuel only in the napalm build-up area. Imbiber beads may be inserted in the Station Weapons compound.
4. Crash Crew will be given a courtesy call prior to filling napalm tanks with fuel.

EXPLOSIVE SAFETY REGULATIONS

CHAPTER 8

JET ASSIST TAKEOFF (JATO)

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# EXPLOSIVE SAFETY REGULATIONS

## CHAPTER 8

### JET ASSIST TAKEOFF (JATO)

#### 8000. GENERAL SAFETY REGULATIONS

1. Jet assist takeoff (JATO) units may ignite or explode violently when involved in a fire. They will normally be stowed as smokeless powder or bomb type ammunition depending upon the type.
2. All possible precautions shall be taken to keep fire and flammable materials away from JATO units and to keep them from becoming heated in order to prevent accidental ignition.
3. JATO units contain oxidizing agents and once ignited are impossible to extinguish. Due to danger of explosion, fighting of fires involving JATO units should not be attempted. Units which are aflame shall be isolated, if possible.
4. JATO igniters shall be stowed separately from the JATO units, preferably by themselves, in a fuze and detonator magazine.
5. Before installing JATO units on aircraft, personnel shall familiarize themselves with the loading and safety precautions associated with JATO.
6. JATO units dropped from a height of greater than 12 inches or subjected to rough handling shall be clearly marked "UNSAFE FOR USE" and returned to the Station Ordnance Division compound.
7. NAVSEASYSKOM shall be informed of all attendant circumstances when JATO units are declared unsafe for use, in order that proper disposition may be made.
8. JATO units will only be armed in designated arm/dearm areas.

EXPLOSIVE SAFETY REGULATIONS

CHAPTER 9

AMMUNITION AND GUNS

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# EXPLOSIVE SAFETY REGULATIONS

## CHAPTER 9

### AMMUNITION AND GUNS

#### 9000. GENERAL

1. Before any work is done on any aircraft gun, a visual check of all chambers will be made.
2. Extreme care will be exercised in the handling of all aircraft gun ammunition or placing it in contact with an electrical source.
3. When ground checking the operation of any aircraft gun, all ammunition will be clear of the gun and feeder.
4. Aircraft returning from a firing mission shall have the guns cleared in the designated dearming area.
5. Live ammunition shall never be charged or cycled through an aircraft gun.
6. Electrically primed ammunition will never be pulled across any material that will generate static electricity.

#### 9001. AIRCRAFT GUNS

1. Will be loaded in the appropriate loading area.
2. Guns shall be armed/dearmed in the designated arm/dearm area.
3. Jammed guns will be safed to the maximum extent possible in the arm/dearm areas. After safing, aircraft whose guns are electrically primed will be taxied to the Combat Aircraft Loading Area and positioned in spots 21 or 22 for further maintenance. AV8's with "hot" or "unsafe" guns will be taxied to the AV8 gun berm, near the end of runway 3R, for further maintenance.

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GUIDED MISSILES

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# EXPLOSIVE SAFETY REGULATIONS

## CHAPTER 10

### GUIDED MISSILES

10000. STORAGE. Missiles will be stored in their original shipping container and in accordance with their hazard classification.

#### 10001. ISSUE/TURN-IN

1. With the possible exception of wing and fin installation, missiles are issued in the "all up round" (AUR) configuration.
2. Prior to issue, the build-up crew will inspect the weapon for any visible damage, proper assembly, and the installation of all applicable safety devices.
3. Any missile that is dropped, or noted to be handled in a detrimental manner, will not be issued. Proper authority will be notified for disposition instructions.
4. Unexpended missiles returned for storage will be inspected for any visible damage, and the installation of all applicable safety devices prior to stowing the missile in its original shipping container.

#### 10002. TRANSPORTATION

1. Prior to transporting missiles, ensure they are securely fastened to their skid/trailer.
2. Missiles will be transported on authorized handling gear only.

#### 10003. LOADING/DOWNLOADING

1. All tactical missiles will be loaded in the Combat Aircraft Loading Area (CALA).
2. All tactical missiles will be armed/dearmed in designated arm/dearm areas.
3. Captive carry training missiles may be loaded on the flightline.
4. Safety/detent wrenches will be used on all missiles captive or tactical.

EXPLOSIVE SAFETY REGULATIONS

CHAPTER 11

ORDNANCE SHOPS

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# EXPLOSIVE SAFETY REGULATIONS

## CHAPTER 11

### ORDNANCE SHOPS

#### 11000. GENERAL SAFETY REGULATIONS

1. Weapons shall never be loaded in any Ordnance Shop.
2. Ammunition, paints and lubricants shall never be stored in Ordnance Shops.
3. Paints and lubricants shall be stored in approved lockers at least 50 feet from all buildings.
4. Cleaning solvents are to be used only in well ventilated areas.
5. Personnel shall be thoroughly indoctrinated in the safety precautions of all shop equipment prior to its operation.
6. All shop equipment shall be inspected to ensure proper operation prior to use. Faulty equipment shall not be used.
7. Personnel not required in specific shop operations shall remain clear of those operations.
8. Extreme care and required safety equipment shall be utilized when operating power equipment or machinery.
9. Safety devices installed on shop equipment shall be used at all times.
10. Shop areas shall be kept in good police and all materials stored properly.

EXPLOSIVE SAFETY REGULATIONS

CHAPTER 12

ORDNANCE HANDLING EQUIPMENT

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# EXPLOSIVE SAFETY REGULATIONS

## CHAPTER 12

### ORDNANCE HANDLING EQUIPMENT

#### 12000. GENERAL SAFETY REGULATIONS

1. All mobile equipment transporting explosives or munitions shall be inspected and maintained in accordance with the instructions contained in references (c,d, and e).
2. Drivers of vehicles carrying explosives or munitions aboard this Station shall be licensed in accordance with instructions contained in reference (c).
3. Ammunition and/or explosives shall be securely fastened to the trailer or truck when being transported.
4. Vehicles shall not be used as temporary storage for explosives.
5. Smoking is prohibited within one hundred feet of vehicles carrying munitions, explosives or other dangerous articles.
6. Smoking is prohibited for the driver or security guard/relief driver in any vehicle carrying munitions, explosives or other dangerous articles.
7. The speed limit shall be observed as directed in reference (c) and Station Regulations.
8. Vehicles transporting explosives shall display placards as directed in reference (c).
9. Drivers shall not attempt to dispose of badly damaged containers of ammunition, explosives or other dangerous materials. EOD (Ext 2303) shall be notified and will then take the necessary action in cases involving explosives or other dangerous articles.

EXPLOSIVE SAFETY REGULATIONS

CHAPTER 13

FLIGHTLINE OPERATIONS

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# EXPLOSIVE SAFETY REGULATIONS

## CHAPTER 13

### FLIGHTLINE OPERATIONS

#### 13000. GENERAL

1. Only ordnance with the explosive class 1.3 or 1.4 may be loaded in the flightline area.
2. All aircraft shall be grounded during any loading/downloading evolution.
  - a. Grounding will be accomplished through use of a grounding strap fastened to the aircraft and an approved grounding point, (not a padeye).
  - b. Tie down chains are not authorized for grounding aboard MCAS Yuma.
3. When safety devices are provided for any type of ammunition, they shall always be used.
4. Appropriate checklists shall be used during all ordnance evolutions.
5. A qualified safety observer shall be present during all ordnance evolutions.
6. No ordnance shall be left hanging on an aircraft overnight with the exception of captive missiles, but must have dome covers installed.
7. Only the number of practice bombs required for the days operations may be built up. At the conclusion of the days flights all signal cartridges shall be removed from the practice bombs and properly stored.
8. During thunderstorms, precautions outlined in NAVAIR 00-80T-103 shall be observed.

#### 13001. HANDLING OF EXPLOSIVES ON MOBILE EQUIPMENT

1. All ammunition and explosives shall be securely lashed to trailers or trucks when being transported.
2. The authorized loading capacity of trailers and trucks shall never be exceeded.
3. When transporting explosives on a bomb trailer, one man shall always ride in the bed of the truck, facing aft, to ensure that the load is riding securely.
4. A speed limit of 5 mph shall be observed when transporting explosives on the flightline.

## EXPLOSIVE SAFETY REGULATIONS

5. Munitions on trailers will never be parked under overhead electrical/telephone wiring.

### 13002. READY SERVICE LOCKERS (RSL)

1. Ready service lockers shall be locked when unattended.
2. Ready service lockers shall be inspected daily and kept dry and clean.
3. All explosives stored in ready service lockers shall be kept in their proper containers.
4. Only authorized personnel are to enter the ready service locker.
5. Only explosive class 1.3 and 1.4 type munitions may be stored in the ready service lockers.
6. Do not stockpile munitions in the ready service lockers.
7. Net Explosive Weight (NEW) for all RSLs is 300 lbs.

EXPLOSIVE SAFETY REGULATIONS

CHAPTER 14

COMBAT AIRCRAFT LOADING AREA

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# EXPLOSIVE SAFETY REGULATIONS

## CHAPTER 14

### COMBAT AIRCRAFT LOADING AREA

#### 14000. GENERAL

1. All ordnance that is explosive class 1.1 and 1.2 being loaded on aircraft shall be loaded in the Combat Aircraft Loading Area (CALA), except during waiverable periods.
2. All aircraft in the CALA shall be grounded by means of a grounding strap. Tie down chains are NOT authorized for grounding aboard MCAS Yuma. The grounding strap must be fastened to both the aircraft and an approved grounding point (not a padeye).
3. Aircraft may be staged in the CALA overnight. All ordnance must be downloaded prior to securing.
4. Aircraft with hung ordnance will be safed to the maximum extent possible at the dearm area, prior to returning to the CALA.
5. The Net Explosive Weight (NEW) for the CALA to include aircraft is 40,000 lbs and shall not be exceeded at any time.
6. The stockpiling of ordnance in the CALA is not permitted at anytime. Only the ordnance required for a sortie that is scheduled to launch in a short period of time will be permitted in the CALA at any given time (i.e. ordnance for a sortie may be staged when the aircraft is being positioned but not more than three hours before sortie.)
7. Should an aircraft go down, the aircraft will be downloaded and the ordnance returned to the staging area prior to performing maintenance on the aircraft.

#### 14001. BOMBS AND FUZES

1. Only qualified/certified ordnance personnel shall be permitted to handle and assemble bombs for loading or fuzing.
2. All aircraft bombs will be inspected as to condition prior to each use.
3. Bomb fuze cavities shall be inspected for foreign matter and exudate before inserting bomb fuze.
4. No steel instrument or tool that may cause sparks shall be used for cleaning fuze cavities or for scraping around treads where TNT exudate may be present.
5. Bomb arming wires shall be free of burrs and kinks.

## EXPLOSIVE SAFETY REGULATIONS

6. If it becomes necessary to remove the arming wire, or the fuze from the bomb, the arming impellers of the fuze must have the safety cotter pin inserted to prevent rotation.

### 14002. ROCKETS

1. Only qualified ordnance personnel shall be permitted to load/download, arm/dearm rockets.
2. Rocket pods 2.75" shall be on "L" until loaded on an aircraft and placed on "A" only in the designated arming area.
3. The pods shall not be electrically connected until stray voltage checks have been completed in the arming area. Rocket pods will be disconnected in the dearm area prior to returning to the CALA.
4. Only pre-loaded pods may be loaded on aircraft. Individual tube loading/unloading is not permitted while pod is loaded on aircraft.

### 14003. NET EXPLOSIVE WEIGHT RESTRICTIONS

1. The Net Explosive Weight (N.E.W.) for the CALA is 40,000 lbs.
2. The N.E.W. for each loading spot as shown in APPENDIX A is 1,728 lbs (i.e. 9 MK 82 bombs) if all the spots are being used. If the N.E.W. exceeds 1,728 lbs, the adjacent spots may not be used for loading aircraft.
3. The N.E.W. must be calculated and used when scheduling for loading spots. (Appendix A)
4. The crew/control building (Bldg #1579) is for the use of ordnance and aircraft launch crews only.

### 14004. PRIVATELY OWNED VEHICLES

1. Privately owned vehicles (POV's) are not permitted on Hamilton Street, the CALA or in the vicinity of the crew/control building (Bldg #1579).
2. Rental vans used for crew transports may have access to CALA, provided they have a runway flag attached to vehicle.

EXPLOSIVE SAFETY REGULATIONS

CHAPTER 15

HELICOPTER OPERATIONS

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# EXPLOSIVE SAFETY REGULATIONS

## CHAPTER 15

### HELICOPTER OPERATIONS

#### 15000. GENERAL

1. Helicopters that are flying munitions of explosive class 1.1 or 1.2 will be loaded in the CALA or designated area specified by Explosive Safety.
2. Only qualified ordnance personnel may load/download, arm or dearm helicopters.
3. Appropriate checklist/loading manuals shall be used during all ordnance evolutions.
4. A qualified safety observer must be present during all ordnance operations.
5. Crew served weapons must be verified safe before leaving the range. They will be rechecked upon landing.

EXPLOSIVE SAFETY REGULATIONS

CHAPTER 16

ARM/DEARM PROCEDURES

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# EXPLOSIVE SAFETY REGULATIONS

## CHAPTER 16

### ARM/DEARM PROCEDURES

#### 16000. GENERAL

1. A qualified safety observer shall be present during all arm/dearm evolutions.
2. Only qualified ordnance personnel may arm/dearm an aircraft.
3. At no time shall any persons be permitted under an aircraft after safety devices are removed for launch or before installation following a flight or flight abortions.

16001. FORWARD FIRING ORDNANCE. All forward firing ordnance shall be armed/dearmed in designated arm/dearm areas.

#### 16002. BOMBS RETARDED/NON-RETARDED

1. Explosives class 1.1 and 1.2 bombs retarded/non-retarded may be armed (have safety devices removed) in the CALA following final check.
2. Aircraft returning to MCAS Yuma with bombs (hung ordnance) must go to a designated arm/dearm area to have the safety devices installed prior to returning to the CALA.
3. Inert ordnance (practice bombs with signal cartridges) may be armed (have safety devices removed) on the flightline following final check. This type ordnance may be dearmed (have safety devices installed) on the flightline also, however the dearming procedures must be the first thing done upon the aircraft returning to the line.

16003. CHAFF AND DECOY FLARES. Chaff and decoy flares may be armed/dearmed on the flightline in accordance with appropriate checklists.

#### 16004. ARM/DEARM AREAS

1. HQHQRON operations will designate the arming area to be used based on take off and landing directions.
2. Aircraft shall be positioned with a 210 degree magnetic heading.
3. Only qualified ordnance personnel shall perform arm/dearm procedures.

EXPLOSIVE SAFETY REGULATIONS

4. A qualified arming/dearming supervisor shall be in charge of all arming/dearming procedures.
5. A qualified ordnance safety observer shall be present during arm/dearm procedures.

EXPLOSIVE SAFETY REGULATIONS

CHAPTER 17

MILITARY WORKING DOGS

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# EXPLOSIVE SAFETY REGULATIONS

## CHAPTER 17

### MILITARY WORKING DOGS

#### 17000. ISSUE AND TURN-IN

1. Only those personnel qualified/certified as per MCO 8023.2 will be permitted to handle, transport or in any other manner come into contact with the explosive training aids of the Military Working Dog Kits.
2. Prior to issue of any samples from the Military Working Dog Kit, an inventory of the entire kit will be conducted by Station Weapons personnel and those personnel drawing the samples. This inventory will be conducted again upon the return of the samples to the magazine. An accountability logbook will be maintained by Station Weapons, recording these inventories.
3. No more than five pounds N.E.W. of explosive samples will be issued at any time.
4. The issue of blasting caps, squibs, explosive detonators or any initiating explosive for training aids is strictly forbidden.
5. Prior to the issue of any dynamite, qualified Station Weapons personnel will check for the presence of exudate. If exudate is present, the dynamite will not be issued and EOD will be notified.

#### 17001. TRANSPORTATION

1. Explosive training aids will only be transported in government vehicles that meet the criteria as set forth in NAVSEA OP 2239.
2. The driver of any vehicle carrying explosive training aids must have a valid Explosive Drivers License and doctors certificate.
3. The explosive laden vehicle must carry a fully charged CO2 or dry chemical fire extinguisher.
4. The explosive laden vehicle will be placarded with applicable explosive placards on front and rear and both sides as required by reference (c).