



## DEPARTMENT OF THE NAVY

COMMANDING OFFICER  
NAVAL BASE SAN DIEGO  
3455 SENN ROAD  
SAN DIEGO, CALIFORNIA 92136-5084

NAVBASESANDIEGOINST 8023.1Y

N39

MAR 21 2011

### NAVBASE SAN DIEGO INSTRUCTION 8023.1Y

Subj: TRANSPORTATION AND HANDLING OF AMMUNITION AND EXPLOSIVES MATERIAL

Ref: (a) OPNAVINST 8020.14  
(b) NAVSEA OP 5 Vol 1 Rev 7  
(c) OPNAVINST 5102.1E  
(d) NAVSEA SW020-AC-SAF-010  
(e) SOPACOMNAVREGSWINST 5400.2  
(f) NAVSEA OP 4 Rev 7  
(g) SW020-AF-HBK-010  
(h) OPNAVINST 5530.13C  
(i) DoD 4160.21-M-1

Encl: (1) Naval Base San Diego (NBSD) Explosive Safety Requirements  
(2) Ammunition Handling Points for NBSD Piers  
(3) Ammunition/Explosive Planning and Transfers  
(4) Movement of Ammunition and Explosives by Small Boat  
(5) Hazard Electromagnetic Radiation to Ordnance (HERO) Restrictions  
(6) Motor Gasoline (MOGAS) Transfer  
(7) Definitions  
(8) NBSD Small Arms/Pyrotecnics Transfer Request  
(9) Small Arms and Small Arms Ammunition Requirements  
(10) Sample Ammo Movement Message  
(11) NBSD Ammunition Handling Safety Check off List

1. Purpose. To issue specific instructions for transferring and handling ammunition and other explosive material at NBSD. Revision to this instruction is extensive; therefore it should be read in its entirety.

2. Cancellation. NAVBASESANDIEGOINST 8023.1X.

3. Applicability. Navy explosive safety standards are contained in references (a) through (i) and are applicable to U.S. Navy ships. Additionally, enclosures (1) through (11) requirements herein are applicable to all ships berthed at NBSD and all NBSD tenant commands when ammunition or explosives are handled or transferred.

MAR 21 2011

4. Background. References (a) and (b) direct the Commanding Officer (CO) to ensure the highest level of safety is maintained by certified personnel while transporting or handling ammunition and explosive (A&E) materials. Reference (a) policies and guidelines governing the handling of ammunition include:

a. Policy

(1) The loading or discharging of full shipboard ammunition allowances will be performed only at ordnance facilities or explosive anchorage, and at those locations which may be specifically approved by CNO, except in case of emergency.

(2) All other logistic movements will not be undertaken by any ship unless berthed at an ordnance facility or at an authorized ammunition handling berth and then only with the approval of the activity CO.

(3) A&E will not be off loaded to a pier unless suitable transportation is standing by nor will A&E be brought alongside of a ship for loading unless the ship is ready to receive.

b. Guidelines. Deviations (authorized by CNO) from DOD instructions are approved only in the national interest and on the basis of operational necessity for the purpose of maintaining the readiness of naval units at required levels. It is not intended that these deviations be indiscriminately applied. Reference (b) provides guidance regarding explosives safety event waivers.

5. Ammunition Handling

a. Policy. Loading or unloading of ammunition at NBSD is restricted to enclosures (1) and (2) limitations and require specific clearance from the unit CO and approval from NBSD Explosives Safety Officer (ESO) as authorized by CO NBSD. No A&E or other explosive material shall be delivered or deposited on piers or ships berthed at NBSD without proper authorization. Ordnance handling shall be conducted under the supervision of certified personnel. Explosive Safety Observers shall suspend any operation in which safety of personnel or equipment is in question. Deviation from this policy without CO approval is prohibited.

b. Ammunition Storage. There are no facilities for providing temporary storage of ammunition at NBSD.

Emergency temporary storage for limited amounts of ammunition may be provided at Naval Air Station North Island (NASNI). Guidance for personnel engaged in ammunition handling ashore is contained in reference (b).

c. Ammunition Transfers. Enclosures (3) and (4) contain ammunition transfer procedures for NBSD berthed ships.

d. Basic Ammunition Safety

(1) Live A&E shall not be loaded on or discharged from a ship, lighter, truck or boat outside of normal working hours (0730-1630), on weekends or on holidays unless there is the strongest operational necessity to do so. In no case shall A&E handling take place during hours of darkness. A deviation from this policy requires written permission from CO, NBSD.

(2) Ammunition handling and fueling operations shall not be conducted simultaneously within the explosive arc.

(3) Weather conditions, such as thunderstorms or high winds that in any way preclude ammunition handling safety are cause for immediate suspension of the operations.

(4) Ordnance being transported must meet Department of Transportation (DOT) requirements.

(5) Enclosure (1) contains NBSD explosive safety requirements.

(6) Enclosure (5) contains HERO restrictions at NBSD.

6. Fuel Handling. Paragraph 6 of enclosure (1) discusses the procedures and principals of safe handling and storage of flammable liquids and gases. Enclosure (6) contains NBSD MOGAS transfer procedures.

7. Safety Supervision

a. A NBSD Explosives Safety Specialist shall be present continuously during on loading and offloading operations of A&E materials. Enclosures (1) through (3) serve as guidance during these operations. Duties include:

(1) Observing the handling of explosive material to prevent any rough or other unsafe practice.

(2) Authority to stop any or all phases of operations involving the handling of A&E or other hazardous materials.

b. The Fire Department or a NBSD Explosives Safety Specialist shall conduct inspections of available fire fighting equipment prior to any A&E or other hazardous material handling operation. Duties include completing a prepared fire safety inspection checklist covering:

(1) Material condition of fire fighting equipment at the planned operation site, both ship and pier.

(2) Other fire protection requirements listed in Chapter 4 of reference (b).

8. Explosive Mishap Reporting. Reference (c) prescribes mishap investigation and explosive mishap reporting procedures.

9. Inert Ordnance. On/off load or handling of inert ordnance does not require special permissions unless it is for the purpose of training.

10. Definitions. See enclosure (7) for definition of terms used in this instruction.

11. Smoking. The smoking lamp is out on all NBSD piers at all times.



R. L. WILLIAMSON

Distribution:

Electronic only, via CNIC web-site

<https://cnicgateway.cnic.navy.mil/sites/SWNBSD/N00/>

Copy to:

COMPACFLT

COMNAVSURFPAC

COMNAVREGSW

SOPA San Diego

NAVAL BASE SAN DIEGO EXPLOSIVE SAFETY REQUIREMENTS

1. General Explosive Safety Requirements. General Navy explosive safety standards are contained in reference (a). The following additional policies apply:

a. Berthing of amphibious warfare (AMPHIB) ships with Landing Force Operational Readiness Material (LFORM) ammunition allowances on board is governed by the provisions of reference (a). Embarked Marine detachments shall coordinate required ammunition movements/transfers at NBSD as prescribed in this instruction.

b. Handling of ammunition is permitted in those specific locations authorized by Department of Defense Explosives Safety Board (DDESB). There will be no variation from DDESB established explosive limits or other requirements (except that more stringent criteria may be applied) without prior authority or waiver from CNO (OP-411). See reference (a) and (b) for details concerning waivers. Adequate measures will be taken to control personnel and vehicular traffic in the area of a logistic movement. Non-essential personnel will not be permitted to enter the Explosive Safety Quantity Distance (ESQD) arc associated with the handling operation.

c. The transferring of fuel, oxygen, bulk lube oil, compressed flammable gases; or any other explosive material will not be conducted simultaneously with ammunition handling on any pier.

d. Rules concerning hot work and ammunition handling are as follows:

(1) No hot work shall be performed at or alongside an authorized ammunition handling location while ammunition handling is being conducted at the same berth.

(2) Hot work at other berths on the same pier or ship may be performed subject to the following restrictions:

(a) Exposed hot work (outside the skin of a ship) shall be performed at least 500 feet from any ammunition handling. Explosives Safety Specialists are authorized to increase this distance if deemed necessary.

(b) Hot work inside the skin of the ship is authorized for any ship other than the ammunition handling activity.

(c) All scheduled evolutions involving hazardous materials, and all those involving hot work at, on, or alongside a NBSD pier shall, before initiation, be reported to and cleared by the organization designated by the NBSD, CO for the coordination and/or supervision of waterfront hazardous operations. Additionally the installation Emergency Operations Center (EOC) must be notified by phone or e-mail at 619-556-7615 or [navalbase\\_eoc.fct@navy.mil](mailto:navalbase_eoc.fct@navy.mil).

## 2. General NBSD Explosive Safety Requirements

a. All ammunition movements shall be coordinated with the NBSD Explosives Safety Office, (619) 556-5700. A face-to-face meeting shall be held with the NBSD Explosives Safety Office not less than 96 hours prior to scheduled time of movement.

b. Small arms and pyrotechnics transfers, while presenting a minimal explosive hazard, still require permission and coordination with the NBSD Explosives Safety Office. Enclosure (8) will be utilized for small arms/pyrotechnics transfers. Enclosure (9) provides details regarding the movement of small arms and small arms ammunition on board NBSD.

c. Ammunition operations shall be indicated by displaying Bravo warning flags. Bravo flags shall be hoisted prior to commencing ammunition operations.

d. All vehicles transporting explosives shall have a placard with the appropriate fire symbol in accordance with reference (d). NBSD entrance gate sentries shall notify the Explosives Safety Office and Fire Department Dispatch, (619) 524-2030, of all incoming explosives carriers. Explosive safety personnel and a radio dispatched vehicle shall escort these vehicles to their destination on the base. The exception to this requirement is those vehicles transporting strictly 1.4s explosives with an approved Enclosure (8).

e. Classified material shall be handled as per security requirements and standard instructions.

MAR 21 2011

f. During ammunition handling operations, a Weapons or Ordnance Officer/Chief from the handling activity, who is cognizant of all safety regulations pertaining to the operation, shall be present and in charge of the handling.

g. A ship planning any transfer of A&E or flammable liquids between shore, boat or between ships shall ensure that fire fighting equipment is on station and has been inspected prior to commencement of operations.

h. All operators of power operated handling equipment (i.e., hoists, winches, cranes, forklifts, etc.) shall be certified as hazardous material handling equipment operators as set forth in reference (b).

i. Handling equipment shall be well maintained and frequently inspected to ensure it is of adequate capacity and in safe working condition. Slings and cables shall be tested periodically for operating strength and visual inspections made prior to each use. As defined in reference (b), all explosive ordnance lifting equipment used shall be tested once every four years. Appropriate records shall be kept of such tests.

j. Vehicle inspections and procedures described in reference (g) shall be performed prior to receipt or shipment. The shipper/receiver of explosive material shall coordinate with the consignee, prior to the movement, for a vehicle inspection at NBSD. Vehicles carrying explosives shall not be allowed to proceed until it has been satisfactorily inspected by the NBSD Explosives Safety Office unless the vehicle is transporting 1.4S material and the driver has an approved transfer request.

k. Vehicles and trailers used to transport explosive materials on any pier shall be backed onto the pier and the operator shall remain with the vehicle throughout the operation. Handling of explosive material from vehicles and trailers at Pier 12 is not authorized. Tractor wheels shall be chocked, when on/off loading.

l. The handling activity shall position personnel in the transfer area during explosive handling operations, as needed, to halt any motor vehicle and pedestrian traffic except for essential personnel.

m. Situations not covered or sufficiently detailed by this instruction should be referred to the ESO for determination. In the event of an emergency necessitating a move, the ESO must be

contacted prior to movement. The NBSD Command Duty Officer (CDO) and NBSD EOC shall be notified in the case of all weekend or after hour movements of ammunition that have been approved by the CO, NBSD.

3. Ammunition Handling Safety Requirements

a. All ammunition moves shall conform to the procedures outlined in this enclosure.

b. Ammunition may only be loaded or unloaded at authorized locations. Ammunition shall not be offloaded to a pier unless suitable transportation is standing by to effect prompt transfer to the intended destination. Ammunition is not to be brought alongside a ship for loading unless the ship is ready in all respects to receive and handle it. All dunnage and combustible materials shall be cleared from transfer areas. Medical aid and firefighting equipment shall be available during ammunition handling operations.

c. In the event any ordnance is dropped or damaged, the ship's Weapons Officer shall determine whether or not Explosive Ordnance Disposal (EOD) assistance is required.

d. If ships anticipate a logistic movement during an upcoming in port period, the ship's berthing assignment request should include such information so appropriate berthing can be planned that allows for the evolution.

e. Ordnance movements incident to maintenance or systems tests may be permitted, providing pier Net Explosive Weight (NEW) limits and HERO restrictions are not violated and the NBSD ESO has approved. Ships involved shall provide their own safety observers and the passage or access of non-essential personnel onboard ship shall be prohibited.

f. Palletized A&E shall not be broken down and hand carried until placed securely onboard the receiving vessel.

g. Navy Munitions Command Detachment, NMC Det NASNI Production and Planning Controller at (619) 545-9396 shall be notified of all ordnance moves between NBSD and NASNI.

h. Storage. A&E storage aboard NBSD is prohibited except for those explosives required by NBSD personnel in the performance of their duties. Examples are small arms and riot type munitions required by NBSD Security Forces and Military

Working Dog (MWD) (as approved by higher authority). Ships requiring temporary storage of explosives should contact NMC Det NASNI Production and Planning Controller.

i. Limited Logistic Movements. Ships are limited to one movement of Class 1.1 or 1.2.1/1.2.2 explosive materials per in port period. In the event that more than one logistic movement (evolution) should become necessary during an in port period, the following applies:

(1) The matter shall be referred via the chain of command to Commander, Naval Surface Forces.

(2) If it is determined that operational requirements will not allow deferral and the shore activity involved concurs with the movement(s), the operational commander may authorize the evolution(s) by issuing a message to the ship involved. As a minimum, information addresses will include CNO, COMPACFLT, COMNAVSURFOR, COMNAVREGSW and NAVBASE SAN DIEGO.

(3) The message must summarize the operational necessity which requires granting of the authorization and contain a synopsis of what handling is to be conducted, including quantities and types of explosives and their net explosives weight (NEW).

j. Safe Haven. Under emergency conditions only, the CO, NBSD may authorize permission for selected areas of the Base to be used as a "Safe Haven" as specified in reference (b). All non-emergency requests for safe haven will be directed to NASNI.

4. LFORM. Refer to references (a) and (b) for guidance.

5. Ammunition Cargo Ships. Refer to references (a) and (b) for guidance.

6. Fuel Handling. This section is designed to provide general standards, procedures and principles for the safe handling and storage of flammable liquids and gases.

a. Notification. Prior to fuel handling operations taking place at NBSD, the following offices will be notified: EOC (619) 556-7615, ships berthing services (619) 556-3147/8 and oil recovery (619) 556-8006.

b. Limitations. The total amount of flammable liquids that may be handled at a pier at one time:

<u>TYPE</u>	<u>QUANTITY</u>	<u>CONTAINERS</u>
Bulk	5,000 gal	Tank Truck
Drums	2,500 gal	55 gal (45 max)
Cans (Expeditionary)	1,000 gal	5 gal Jerry Cans

c. Traffic. While transferring fuel from a vehicle on the pier to a ship, Base police shall be positioned to stop all pier motor vehicle traffic and restrict foot traffic to official duty personnel.

d. Bulk Flammable Liquids. On base transportation and storage of bulk flammable liquids, other than fuel tanks installed in motor vehicles and equipment shall be monitored by the Federal Fire Department. All current regulations and recommendations promulgated by NFC-30 "Flammable and Combustible Liquid Code," shall be enforced where applicable, during fuel handling or storage.

e. Drums and Expeditionary Can Transfers. Handling of fuel drums and expeditionary cans must follow these general safety requirements:

(1) Gasoline drums shall be handled with chime hooks that have insulated pads or shall be palletized, four to a pallet, and banded.

(2) Expeditionary cans (Jerry Cans) shall be vertically palletized and securely banded.

Note: No containers of flammable liquids shall be handled on/or from a spark producing surface.

f. Fire Prevention. Fire safety precautions include:

(1) Open flames, smoking, welding, burning, or internal combustion engines (gasoline) without flame arresters will not be allowed within 100 feet of flammable liquid handling evolutions.

(2) Grounding connectors, with an electrical resistance of not greater than 10 Mega ohms, shall be clean and in place.

(3) Fuel handling shall be discontinued at the first sign of an electrical storm condition.

(4) Mechanical work shall not be performed on the pier or any open weather decks of ships berthed at the pier during fuel transfers.

g. Bulk MOGAS. La Playa Pier located at the Naval Fuel Farm at Naval Base Point Loma is the primary San Diego facility designated, controlled and staffed to safely handle volatile fuels. Loading and off-loading of bulk MOGAS is not authorized at NBSD, except for an emergency or operational necessity (Operational necessity shall be approved by the ISIC and type commander). NBSD approved MOGAS transfer requests shall follow specific MOGAS on/off load procedures contained in enclosure (6).

h. OTTO II Fuel. Torpedoes filled with OTTO II fuel require special precautions such as:

(1) Hoisting with cranes shall be limited to one container per lift unless stacked and banded as one unit.

(2) Any spill of OTTO II fuel shall be treated as an emergency.

7. Tank Cleaning Vehicles. Vehicles used for the transport of hazardous materials (i.e., acid, hydrochlorides, gasoline, and JP fuels) shall be required to meet the standards of Hazardous Materials Transporters of Waste Products. Vehicles containing flammable liquids shall be monitored by the Fire Department. All such trucks shall display DOT placards on three sides of the tank denoting content (i.e., flammable liquid, corrosives, hazardous material, etc.). The following safety requirements apply to vacuum trucks:

a. Tanks shall be equipped with a positive control or sight gauge, which displays liquid content level.

b. A grounding cable, with a resistance not greater than 10 ohms, shall be attached when withdrawing flammable liquids, from ships' pipelines or tanks.

c. An operable 10 lb. B/C class extinguisher shall be mounted on the vehicle as far from the inlet hose hook-up as possible.

d. All tanks used for the receipt of flammable liquids shall be motorized and at no time be immobilized.

8. Flammable Gases. The principle flammable gases handled at the NBSD are acetylene, Liquefied Petroleum Gas (LPG), and Liquefied Natural Gas (LNG). Most gases are delivered by truck and are regulated as follows:

a. LNG is regulated by NFC 59A "Standard for the Protection, Storage and Handling of LNG."

b. Acetylene is regulated by 29 CFR 1910 "Subpart Q: Welding, Cutting and Brazing."

c. LPG is regulated by NFC 58 "Standard for Storage and Handling of LPG."

9. Fuel Spill. Fuel spills entering the bay shall be reported to Port Operations Oil Recovery (619) 556-8006 and as outlined in reference (e); NBSD EOC (619) 556-7615, NBSD Environmental (619) 556-5048, 0674 and NBSD CDO (619) 247-8897 shall be apprised of the situation as soon as possible.

10. Buildings

a. The planning for construction of, or major modification to, facilities at NBSD, shall take into account the presence of any ESQD arc, which may encumber the potential site. Details to site planning are contained in reference (a), Chapter 16.

b. The placement of a manned trailer, berthing barges or working barges on or near a pier prohibits movement of explosives, except for small arms, on either side of the pier where the trailer or barge is located.

11. Ships Undergoing Restricted Availability or Emergency Repairs.

a. Background

(1) Ships entering shipyards for periods in excess of six weeks shall be completely offloaded of all ammunition, except small arms ammunition which the CO considers necessary for maintaining security aboard ship.

(2) Ships expected to remain in the shipyard for periods of less than six weeks shall be required to offload, as a minimum, black powder and any pyrotechnics or other ammunition which cannot be stowed in sprinkler protected or floodable spaces.

All ammunition and pyrotechnics shall be removed from ready service locations, launchers (except SEASPARROW, Mk 32 Torpedo Tubes and HARPOON), lifeboats and life rafts (except inflatable types).

b. Policy

(1) The rules governing retention of ammunition onboard ships entering a shipyard is contained in reference (f), Chapter 2, permission is specifically required from CO, NBSD for ships to retain ammunition while going into a graving dock at NBSD for IMA or shipyard work.

(2) All ship requests for retention of ammunition during or after RAV/PRAV or emergency repair, including repairs in the graving dock or dry dock, shall be approved or denied by the CO, NBSD, following guidance in reference (f).

(3) During normal ship availability periods outside of a shipyard, the restrictions on hot work specified in Chapter 2 of reference (f) shall apply. CO, NBSD shall be included in the approval chain for hot work described in Chapter 2 of reference (f).

(4) Safety precautions contained in Chapter 074, Naval Ships Technical Manual shall be observed for any hot work in a ship.

12. Waivers. Procedure for obtaining a CNO Event Waiver is outlined in reference (b).

AMMUNITION HANDLING POINTS FOR NAVAL BASE PIERS

Hazard Class of ammunition acceptable (X)

<u>PIER LENGTH</u>	<u>1.3/1.4</u> (75')	<u>1.2.1/1.2.2</u>	<u>1.1</u> (500')	<u>1.1</u> (1250')	<u>Notes</u> (1)
1 1002'	X	X	X	NA	(2/3)
2 1005'	X	X	NA	NA	NA
3 1400'	X	X	X	X	NA
4 1335'	X	X	X	X	NA
5 1261'	X	X	X	X	NA
6 1377'	X	X	X	X	NA
7 1480'	X	X	X	X	NA
8 1606'	X	X	X	X	(4)
10 1458'	X	X	X	NA	(2)
12 1458'	X	X	X	X	(5/6)
13 1458'	X	X	X	X	(7/6)

---

(1) Depending on the explosives weight, Hazard Class 1.2.1/1.2.2 can be handled on all sited piers.

(2) Selected Ammunition from OP5, Vol 1 Table 7-8 permitted (i.e., 2 Torpedoes or 1 Harpoon).

(3) When USNS Mercy is moored to the pier, no ordnance may be moved on that pier without an event waiver.

(4) When C/D 1.1 material is handled at pier 8, the following facilities inside the 1,250 ft ESQD will be evacuated: Building 3355 (Air Compressor) and building 3583 (Guard/Vending Shelter).

(5) Prior to the start of an ammunition handling operation involving Hazard Class Division 1.1, 1.2.1, or 1.2.2 at Pier 12, the ESO will ensure that all non-essential personnel, on adjacent piers encumbered by ESQD arcs cast by the evolution, are evacuated to IBD, including non-essential and administrative personnel located in the double wide trailer on Pier 13 that SWRMC shall secure and evacuate prior to the operation. The double wide trailer shall remain evacuated until notified by the ESO that the operation is complete.

(6) Prior to the start of an ammunition handling operation at Pier 13, the ESO will ensure all non-essential personnel are evacuated to IBD from work spaces within the ESQD arc, including the double wide trailer. Spaces shall remain evacuated until notified by the ESO that the operations are complete.

(7) The ESO will notify SWRMC a minimum of 48 hours prior to all ammunition and explosives operation that will be conducted at Pier 12 or Pier 13. SWRMC point of contact number is (619 571-3146).

General Notes:

1. Ammo lines are painted on each pier indicating distance from the nearest inhabited building.
2. Caution must be exercised to ensure that minimum explosives arc distances are maintained at the actual handling points along the pier.

AMMO/EXPLOSIVE TRANSFER PLANNING

1. Policy. CO, NBSD is the approving authority for all ammunition movements for ships berthed at NBSD. Ammunition transfer approvals are contingent upon notification of all concerned commands.

a. All Squadron and Group Commands, Type Commanders and other operational commanders must, in planning their operational schedules, consider the ammunition transfer requirements of the units under their control and allow adequate time to permit assigned units to transfer ammunition at authorized locations.

b. Every request by naval units to receive or discharge ammunition, in any quantity, is to be reviewed by the next senior authority (Squadron, or Group Commander, or Task Force Commander, as appropriate) to determine whether the requirement may be deferred until the evolution can take place at an ordnance facility, or at sea.

2. Procedure. Ships requesting ammunition transfers must follow this procedure:

a. Exchange of ammunition via boat must be coordinated directly with NMC CWD Det NASNI (619) 545-9396.

b. Contact the NBSD Explosives Safety Office at (619) 556-5700 (Building 72) to arrange a face-to-face meeting at least 96 hours prior to schedule transfer time arranged in paragraph 2a. The Explosives Safety Office prepares a transfer worksheet and explains the coordination necessary to safely complete the operation.

c. Small arms ammunition transfers will be requested utilizing enclosure (8), Small arms/pyrotechnics transfer request. All commands must comply with the guidance provided in reference (g) and enclosure (9).

d. Upon approval from CO, NBSD, a message must be sent to SOPA Sub-Area East Admin. Enclosure (10) provides a sample message format.

e. For second or consecutive transfers of 1.1 or 1.2.1 or 1.2.2 during one in port period, final NBSD approval is contingent upon receipt of a message to NBSD by the ship's Immediate Senior in Command (ISIC) certifying operational necessity.

f. The Explosive Safety Office remains the point of contact for coordinating any changes in the planned operation.

3. Day of Transfer

a. To ensure weather conditions will support the handling of ordnance, the Explosives Safety Specialist responsible for the operation will contact the Naval Pacific Weather Service at (619) 545-6032. If weather conditions do not support the handling of ordnance, the operation will be postponed.

b. The transfer ship shall notify the Explosive Safety Office 15 minutes prior to the ordnance boat arrival, or immediately upon a change in the boat's schedule.

c. An Explosive Safety Specialist must be present prior to the ammunition being handled outside the skin of the ship, or before any LCU/LCM with ammunition is received alongside.

d. Enclosure(11) is an ammunition handling check list that will be completed by the ESO prior to commencing any A&E operation. It is recommended that the handling activity utilize this enclosure to prepare for the transfer.

5. Authorization. All ships shall ensure CO NBSD is fully informed and has given prior approval for all A&E handling evolutions to be conducted within the confines of the base and ships berthed at NBSD piers. This authorization will normally be communicated to the ship via the NBSD ESO.

6. Ship Preparation. CO's of vessels scheduled for ammunition or explosive load/offload shall appoint a safety officer directly responsible for observance of all safety regulations. This officer shall ensure the following precautions are taken:

a. Certify ships' firefighting readiness to the Explosives Safety representative.

b. Ready any additional firefighting equipment and personnel required by the Explosives Safety representative.

c. Maintain engineering plant in condition to provide electrical and firefighting services and means of propulsion.

d. Extinguish smoking lamp throughout the ship.

e. If required, remove hatch covers and beams. Stow well clear of hatch openings.

f. Secure radio and radar transmitters as required in ship's HERO instruction. Radio receivers may be left in operation.

g. International Flag BRAVO shall be displayed at masthead by day and red light in specified area by night, before move commences.

h. Break down all davits on inboard side of ship and top row of lifelines and any other obstruction such as vent covers, boats and vehicles within 50 feet of hatch to be worked.

i. Discontinue all operations involving welding, burning, fuel transfers and refueling of boats and machinery just prior to and during explosive handling operations. If any of the above operations are necessary, explosive operations will be suspended until completed, and a fire watch posted for 30 minutes in areas where welding or cutting operations were conducted.

7. Loading/Unloading Operation. The ship's coordinating safety officer is responsible for the following:

a. Informing the Explosives Safety representative of any special conditions prior to commencement of ammunition handling.

b. Carrying out all operations as quickly and efficiently as possible consistent with safety.

c. Ensuring that vehicle and pedestrian traffic control in area surrounding ordnance operation is in effect on the pier.

d. Not allowing dunnage and empty containers to accumulate on piers.

e. Stopping the operation and correcting any observed hazardous situations prior to continuing the operation.

8. Reports. COs of vessels involved in on/off loading evolutions shall report any unplanned or unusual situations related to the operation to the NBSD ESO. Especially important are those situations that were or could have been hazardous if not corrected prior to completing the evolution.

MOVEMENT OF AMMUNITION AND EXPLOSIVES BY SMALL BOAT

1. Reference (b) requires surface craft meet specific safety requirements prior to being loaded with A&E. Small craft not meeting requirements will not be loaded. Small craft delivering A&E not in compliance will be subject to either a Report of Discrepancy (SF-364) or a Transportation Discrepancy (SF-361) being filed against their command.
2. Minimum requirements for transporting A&E via small boat are:
  - a. CO2 Fire extinguisher 10 lb or larger.
  - b. BRAVO Flag and staff.
  - c. Life jacket for each occupant.
  - d. Bilges reasonably free of water and flammables.
  - e. Boat engines and compartments free of excess grease and oil.
  - f. All engines operable and in good running condition.
  - g. Cargo area must be free of obstructions, which could pose a hazard to the A&E.
  - h. Must have operable sounding device on board.
  - i. Must have complete crew including Boat Officer, Coxswain and Engineer Certification available for verification.
  - j. Coxswain must remain in boat during on/off loading of A&E.
  - k. Vessel must have capability to secure cargo to prevent shifting during transit.
  - l. Fire prevention and waterproof tarpaulins must be on board to cover cargo.
  - m. All A&E to be loaded must be compatible.

HERO RESTRICTIONS

HERO restrictions will not normally be granted from 0800-1100 on Mondays (0800-1100 on Tuesday if Monday is a holiday) since HERO restrictions would interfere with the Monday (Tuesday) morning sortie. HERO restrictions will likewise not normally be granted during the weekly communications drill and EWEX-8 (Z-11-EW) 0800-1600 on Thursdays.

Automatic HERO Restrictions. Unless otherwise directed by SOPA AMIN/SOPA sub-area East, HERO restrictions will be automatically in effect to allow handling of HERO-susceptibility weapons only in the San Diego Bay south of the San Diego/Coronado Bay Bridge and at NASNI berths during the following periods:

Monday: 1100-1700 except official holidays

Tuesday: 0800-1700 except when Monday is an official holiday, then 1100-1700

Wednesday: 0800-1100

MOGAS TRANSFER

1. Loading/Offloading. The load/off load of MOGAS is not authorized at NBSD, except for an emergency or operational necessity. The ISIC and Type Commander shall approve operational necessities for MOGAS transfer requests.
2. Personnel Limits. The ship's CO is responsible for the MOGAS on/off load operation. The number of persons allowed in the vicinity of fuel transfer shall be kept to the minimum required to properly perform the work safely and efficiently.
3. Transfer Points. Transfer points for MOGAS shall be at a minimum, 400 feet from the foot of the pier.
4. Housekeeping. Access to safety equipment, listed in paragraph 2-1.5.3 of reference (b) shall not be blocked. The locations of such equipment shall be appropriately and conspicuously marked to warn individuals of the need for the equipment's accessibility at all times. Handling gear shall be neatly arranged and shall be restored when not in use.
5. Prohibited Articles at Transfer Point. Matches, lighters, or similar flame or spark producing devices are prohibited at transfer points.
6. Eating. Personnel involved with the MOGAS fueling transfer shall not eat, drink, bring food to or store food in any area associated with the operation.
7. Smoking. Smoking is prohibited on the entire pier and in all ships berthed adjacent to the ship transferring MOGAS. Transfer ship's CO is responsible for insuring that all ships berthed at the pier are cognizant of this requirement.
8. Fire Truck Access. An access lane shall be maintained along side of tanker vehicles on the pier for use by fire fighters in an emergency situation. A vehicle access route, the entire length of the pier, shall be maintained for fire and fuel truck access. For all other vehicles, pier access is prohibited during the fueling transfer operation.
9. Security. Base police shall be posted to prevent unauthorized access to piers. No firearms shall be allowed on the pier during MOGAS fuel transfers, unless specifically authorized by a ship's CO.

10. Safety Training. Supervisors are responsible for ensuring their personnel are qualified to perform the work assigned to them. This enclosure shall be reviewed by all personnel involved prior to the evolution.

11. Fire Protection. Federal Fire Department is responsible for fire protection for the pier and associated structures while ships berthed at the pier are responsible for fire protection on board the ship. Prior to commencing operations, the following actions are required:

a. ESO. After receiving the request for on/off loading of MOGAS, shall ensure that all preliminary planning is coordinated with Port Operations, the ship involved and the Federal Fire Department.

b. Fire Inspector. Shall contact the OOD or the designated ship's coordinating officer to ensure that requirements stated in paragraph 4-1.3 of reference (b) have been met.

c. Safety Inspector. Designated by the ship, shall observe the operation and have authority to stop any or all phases of the operation. He/She shall have assistants, as required, to carry out these duties.

d. Damage Control Teams. The transfer ship shall provide an In port Fire Party to provide the ship's firefighting function during the fueling operation. Pier SOPA shall determine the fire fighting requirements of other ships berthed at the pier.

12. MOGAS Handling Operation. On loading of gasoline will not normally be conducted outside of normal working hours (0730-1630, Monday through Friday). The NBSD Berthing Services Office (619) 556-3147/8 and the EOC (619) 556-7615 must notified of all transfers. MOGAS and explosive handling operations shall not be conducted at the same time at the same pier. The Fire Inspector determines when the transfer operation will commence and terminate by informing the ship's OOD.

13. Pier Work or Other Pier Activity. No other operation shall be performed at the pier while a fuel transfer operation is being conducted. This includes all "Hot Work" on weather decks of ships berthed at the pier. All mechanical operations are prohibited on the pier.

14. Tanker Vehicle Operation. When truck tankers are used to transfer MOGAS, only one truck at a time shall be backed onto the pier and the driver shall remain with the vehicle during the operation. The following transfer procedure shall be followed:

a. Truck to ship bonding connection shall be made and both properly grounded.

b. Fuel line adapters, including a pier side shut off valve and fuel meter, shall be rigged prior to truck's arrival.

c. Communications between the ship and truck valve operators shall be established with sound powered phones or other means.

d. The truck driver is responsible for making the final hose connection to the truck. All truck transfer operations shall use the bottom load/unload method with dome closed at all times. During off load operations, tanker vent hoses shall be attached and routed to the water's surface.

e. Fueling transfer may commence only after approval of the Fire Inspector.

f. Bonding or grounding connectors shall not be broken unless approved by the Fire Inspector.

g. An overboard discharge watch shall be posted and all fuel spills reported to Port Operations (619) 556-8006 and the EOC (619) 556-7515 and as outlined in Annex P to reference (e).

h. Ship's OOD shall contact the Fire Inspector 15 minutes prior to loading/unloading the truck tanker involved in the operation. Transfer fueling hose disconnection shall be monitored and approved by the Fire Inspector.

i. The Federal Fire Department shall provide ready standby at NBSD Fire Station #6 during the transfer operation until relieved of this responsibility by the Fire Inspector.

j. The ship's Engineering Department shall ensure that all transfer procedures are carried out as specified by applicable Engineering Operations Sequencing System (EOSS).

DEFINITIONS

1. Ammunition. Is all types of explosives and explosive materials classed under DoD Class 1, Division 1 through 4 (see paragraph 3).

2. Ammunition Handling. The movement of ammunition to, from, or within a ship outside of or between designated magazines or stowage areas while in port. It includes one or more of the following evolutions:

a. Logistic movement. The transfer of ammunition to or from a ship at an authorized handling point. Transfer may be to or from the pier, a vehicle, a small boat, another ship, or other approved transport.

b. Strike up/strike down. Any movement of ammunition into or out of the normal stowage locations or magazines of the ship. It may also be a part of a logistic movement or part of a maintenance movement.

c. Maintenance movement. Any movement of ammunition from its normal shipboard location to another location in order to conduct required assembly, disassembly, maintenance, or test of a weapons system, or maintenance of a stowage area. A maintenance movement may include strike up/strike down, movement within the normal stowage area, or movement from one stowage area to another. Maintenance movements include, but are not limited to:

(1) Removal of torpedoes or missiles from torpedo tubes or launcher stowage cells for planned maintenance (PMS) of the tube, cells or weapons.

(2) Movement of ammunition from ready stowage locations in gun mount handling rooms while conducting maintenance in the area.

(3) Movement of ammunition to test or repair magazine sprinkler systems or other protective devices.

(4) Movement of ammunition for installation or check out of modifications to weapons stowage areas, or to handling, launching, or direction systems.

(5) Movement of all-up weapons for disassembly, or movement of the explosive components of weapons for combining into a higher state of assembly.

3. Classes of explosives. Listed from the most hazardous to the least hazardous, are:

a. Class 1.1 - High explosives, mass detonating, produces fragments.

b. Class 1.2.1/1.2.2- High explosives, non-mass detonating, produces fragments.

c. Class 1.3 - Mass fire. Primarily propellants and pyrotechnics.

d. Class 1.4 - Mass fire, no blast. Primarily small arms.

4. Deviation. A departure from an established explosives safety rule or standard. For explosives safety applications, a deviation authorized by the CNO is considered to be a departure from DoD criteria, but under strictly controlled and regulated conditions based upon compelling operational need.

a. Event waivers. Deviations approved on a case basis for a particular evolution, issued for a limited period to meet a specific, non-recurring, readiness or operational requirement which cannot otherwise be satisfied.

b. Waivers. Deviations from mandatory explosives safety requirements approved for the purpose of temporary satisfaction of recurring readiness or operational requirements, issued pending completion of corrective measures to eliminate the requirement for waiver. Waivers are generally issued for a maximum of two years.

c. Exemptions. Deviations from mandatory explosive safety requirements approved for the purpose of long term satisfaction or recurring readiness or operational requirements. Except in certain cases where authorization to purchase real estate for sufficient ESQD clearances has not been granted, where it is in the best interest of the United States to grant agricultural leases of encumbered land, or where significant impairment of the defense posture of the United States would result, a positive program for eventual correction of the deficiency must be planned and in the process of being carried out. Exemptions are generally issued for a maximum of five years, but will not be granted for a period in excess of that estimated for correction of the deficiency.

5. Emergency. An unforeseen situation or condition giving rise to immediate danger of such gravity as to compel/necessitate departure from approved procedures. The existence of a declared national emergency, or the implementation of a contingency plan, does not itself constitute an emergency.

6. Essential personnel

a. Those personnel whose duties require them to remain within the ESQD arc for one or more of the following reasons:

(1) Direct involvement in an ammunition handling evolution.

(2) Required in port ship keeping duties by assigned military personnel.

(3) Provision of mission-required in port services.

(4) Provision of mission-related repairs and/or tests to in port ships.

b. "Essential personnel" does not include vendors, commercial delivery vehicles (unless carrying mission related materials), dependents, or non-DOD personnel except as categorized above.

7. Evolution. Defined as an on load or offload of ammunition, or a combination thereof, not exceeding the explosive limit established for the pier or berth at any point in time.

8. Explosive limit. The total amount of explosive material authorized to be present at any time on or alongside the pier, ship, or boat/service craft at an authorized handling point or location, and outside the skin of the ship. Explosive limits are based on net explosive weight (see paragraph 15).

9. ESO. The individual designated in writing by the CO of NBSD to coordinate all explosive and hazardous material movements aboard NBSD.

10. Flammable liquid or gas. Any substance, which has a flash point of 200 degrees fahrenheit or less.

11. Fuel handling. The movement of any petroleum, oil or lubricants to or from shipboard storage/service tanks, temporary storage containers, tanker barges, trucks, or sludge barges. This does not include the transferring of fuels within the internal transfer system of a given ship.

12. Handling location or area. The designated location on a pier or wharf, or at a buoy, where explosives are allowed to be transferred between two ships or a ship and vehicle or other transport, or the point alongside where the transfer between pier and boat or ship and boat is conducted.

13. Hot Work. Any cutting, burning, grinding, welding or any other activity likely to cause a spark or flame.

14. Magazine. As used in this instruction for shipboard applications, applies only to the specific spaces, which are designated for the stowage of ordnance and are equipped with required detection, protection, and security devices and systems. Requirements for such devices/systems are contained in Navy general shipbuilding specifications. For applications applying to amphibious warfare ships, see Chapter 3 of reference (f).

15. NEW. The actual weight of explosives mixture or compound including TNT equivalent or other energetic material which is used in the determination of explosive limits and ESQD arcs. For the handling or storage of more than one class division of explosives simultaneously, the following apply:

a. If class divisions 1.1, 1.2.1, 1.2.2 are being handled or stored simultaneously, the NEW for the three class divisions will be calculated and the ESQD Arc will be determined based on the class division that requires the largest ESQD arc.

b. If class divisions 1.1 and 1.3 are being handled or stored simultaneously, the NEW for both class divisions will be calculated and the ESQD arc will be determined based on the requirements for class division 1.1.

c. The presence of class division 1.4 does not affect the NEW when handling or transporting mixed class divisions.

16. Operational Necessity. A situation of such compelling urgency that failure to grant a deviation from established explosives safety criteria will have a deleterious impact on the mission readiness of naval forces.

17. Ordnance facility. An activity, which is intended to be used for the majority of large quantity ammunition, transfers to and from naval ships (particularly fleet ammunition cargo ships). Naval Weapons Station Seal Beach is the nearest such facility to NBSD.

18. Proper explosives safety. That level of safety obtained when approved explosive materials are stored and handled by trained personnel, in controlled conditions, using only equipment and spaces designed and certified for the material and with control of external environments so that no hazard is offered to the explosive.

19. Explosives safety observer. A qualified and certified command representative assigned to observe explosive handling evolutions or interpret and enforce all safety standards established by higher authority.

NAVAL BASE SAN DIEGO SMALL ARMS/PYROTECHNICS TRANSFER REQUEST

Date: \_\_\_\_\_

From: \_\_\_\_\_

To: Explosives Safety Officer, Naval Base, San Diego

Subj: ON BASE AMMUNITION/PYROTECHNICS TRANSFER REQUEST

1. Request permission to transfer small arms ammunition / pyrotechnics from \_\_\_\_\_ to \_\_\_\_\_, on \_\_\_\_\_ and return on \_\_\_\_\_ (date and time) (date and time)

2. The following ammunition/pyrotechnics will be moved:

<u>NALC</u>	<u>QTY</u>	<u>NEW</u>
-------------	------------	------------

- a. \_\_\_\_\_
- b. \_\_\_\_\_

3. ONLY government vehicles will be used to transport small arms /pyrotechnic. The use of privately owned vehicles for the transporting of ammunition on board NBSD is strictly prohibited.

\_\_\_\_\_  
Authorized Command Agent

Date: \_\_\_\_\_

From: Explosive Safety Officer, Naval Base San Diego, CA

To: \_\_\_\_\_

1. APPROVED/DISAPPROVED

2. Approval requires that on the day of transfer the ship/activity notify, prior to movement, the Federal Fire Department Dispatcher, phone (619) 524-2030.

SMALL ARMS AND SMALL ARMS AMMUNITION REQUIRMENTS

1. Background Reference (g) applies to all Navy and Marine Corps activities, and provides guidance on all ammunition and hazardous material transportation via government vehicles driven by individuals who are explosives driver qualified. Exceptions may be granted by the Commanding Officer (CO) for small arms transfers to practice ranges for the purpose of small arms marksmanship. Reference (h) applies to the physical security of all conventional Arms, Ammunition and Explosives (AA&E) owned or contracted by the Department of the Navy. Additionally, reference (b) states:

(1) Individuals issued or in possession of AA&E are responsible for its security.

(2) Only mission essential quantities of AA&E should be removed from designated storage areas, and only for as brief a time as possible.

(3) Individuals receiving sub custody of small arms must obtain authorization from the commanding officer or his/her designated representative and sign a custody receipt listing serial number and type of item(s) received. If the receiver is unable to provide adequate physical security as outlined in reference (h) he/she may check out small arms and related ammunition only as an immediate need exists and must return them to the original responsible activity once the need no longer exists.

2. Ammunition Handling

a. Ammunition handling aboard NBSD shall be performed only by qualified and certified personnel through their respective CO per reference (b). Afloat commands shall ensure all personnel assigned to transport or handle small arms ammunition to, or from, the range are qualified per reference (b).

b. Ammunition transported by all commands to NBSD range shall meet the requirements of reference (g) and shall be coordinated through NBSD ESO.

c. Approval requires that on the day of transfer the transporting activity notify Federal Fire Department Dispatcher, phone (619) 524-2030.

d. Under no circumstance will small arms ammunition be left unattended for any period of time.

e. All handling safety precautions outlined in reference (b) are applicable.

3. Responsibilities

a. NBSD ESO shall coordinate all small arms transfer to/from NBSD range as well as other ranges. Range Safety Officers will ensure commands desiring use of NBSD range have coordinated all small arms ammunition moves through NBSD ESO utilizing enclosure (8).

b. NBSD armorer or qualified regional security personnel shall transport all armory ammunition to NBSD range, regardless of ownership.

4. Transportation.

a. Government issue ammunition on board NBSD shall be transported in approved government vehicles or by an authorized commercial carrier. Transportation of ammunition by privately owned vehicle is **not authorized**.

b. Personnel transporting small arms to, or from the range will not leave the vehicle unattended or provide transportation to non-essential personnel.

c. All small arms ammunition will be transported in approved containers/packages and must have an approved seal to prevent tampering.

d. Reference (g) lists the required safety equipment and procedures required to transport small arms ammunition.

e. Vehicles transporting over 1,001 gross weight of small arms ammunition over public highway to or from NBSD:

(1) Will have a completed DD Form 626 (Motor vehicle inspection), a valid state license and OP Form 346 (government issue license).

(2) Vehicle must have the appropriate fire symbol placard (i.e. Explosives 1.4 or Dangerous).

5. Disposal

a. NBSD recycling bins are not the approved disposal method for arms parts, expended ammunition casings or any other type of explosives and explosives related material. Prohibited items found in recycling bins will be returned to the originating command or Pier SOPA for proper disposal.

b. Government Weapons will be shipped and disposed of as outlined in reference (i).

c. Personal Weapons that have been abandoned in the installation armory will be turned over to NCIS for destruction. NCIS will cut the weapons major parts to ensure parts are no longer serviceable and coordinate with local, State or Federal law enforcement to turn over custody of parts for final melting.

SAMPLE AMMO MOVEMENT MESSAGE

PRIORITY

FM: USS \_\_\_\_\_

TO: SOPA SUBAREA EAST ADMIN SAN DIEGO CA//N7//

INFO: COMNAVSURFOR SAN DIEGO CA//JJJ//

COMNAVREG SW SAN DIEGO CA//N43WP/N43MR//

NAVBASE SAN DIEGO CA//N3/N39//

NAS NORTH ISLAND CA//

SOUTHWEST RMC SAN DIEGO CA//JJJ//

(ISIC)

(SHIPS BERTHED AT PIER)

ACU ONE (if applicable)

UNCLAS //N8000//

SUBJ/AMMO MOVEMENT//

MSGID/GENADMIN/\_\_\_\_\_ (SHIP)//

REF/A/MTG/USS\_\_\_\_\_/\_\_\_\_\_ (DATE)//

REF/B/DOC/NAVBASESDIEGOINST 8023.1Y//

NARR/REF A IS MTG BTWN USS\_\_\_\_\_ (PERSON) AND NAVBASE  
EXPLOSIVES SAFETY OFFICE. REF B IS GOVERNING SUBJ INSTRUCTION//  
RMKS/1. REQ NOTIFICATION OF SHIPS IN VICINITY OF PIER\_\_\_\_\_ THAT  
USS\_\_\_\_\_ WILL CONDUCT AMMO TRANSFER (ONLOAD/OFFLOAD) VIA  
(SMALL BOAT/ETC.) ON\_\_\_\_\_ (DATE AND TIME). REF A  
COORDINATED SUBJ OPERATION. NAVBASE APPROVAL PENDING RECEIPT OF  
ISIC MSG CERTIFYING OPERATIONAL NECESSITY. AS REQUIRED FOR  
SECOND MOVE OF 1.1 OR 1.2.1 DURING ONE INPORT PERIOD.

2. FOLLOWING AMMO WILL BE MOVED: NALC QTY

3. PER REF B, TRANSFER OF FUEL, GASOLINE, OR COMPRESSED  
FLAMMABLE GAS IS PROHIBITED ON THE SAME PIER DURING AMMO  
TRANSFER. TOPSIDE HOT WORK IS PROHIBITED WITHIN 500 FT OF AMMO  
HANDLING TRANSFER POINT.

4. HERO NOT REQUIRED.

-or-

REQUEST HERO RESTRICTIONS BE ESTABLISHED IN VICINITY OF PIER  
\_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_ (DATE AND TIME).

UNCLAS MSG

BT

NAVAL BASE SAN DIEGO AMMUNITION HANDLING SAFETY CHECKOFF LIST

USS \_\_\_\_\_ HULL NUMBER \_\_\_\_\_

1. VERIFY THAT NO FUELING OPERATIONS ARE BEING CONDUCTED ON THE PIER WHERE AMMUNITION IS BEING HANDLED. OP 4, PARA 4-7.2.

INIT: \_\_\_\_\_

2. VERIFY THAT THE FIRE LANE ON THE PIER IS NOT BLOCKED, RESTRICT PRIVATE VEHICLE PARKING ON THE PIER, OP 4, PARA 4-7.4.

INIT: \_\_\_\_\_

3. NOTIFY FEDERAL FIRE DISPATCH AT (619) 524-2030.

INIT: \_\_\_\_\_

4. VERIFY THAT NO HOT WORK IS BEING CONDUCTED TOPSIDE OR WITHIN 500 FEET ON ANY SHIP AT THE PIER WHERE AMMUNITION IS BEING HANDLED, (ENCL (1)).

INIT: \_\_\_\_\_

5. RECEIVE A COPY OF AMMUNITION HANDLING CHECKLIST FROM THE SHIP.

INIT: \_\_\_\_\_

6. ENSURE THAT THE SMOKING LAMP IS OUT THROUGHOUT THE SHIP AND BRAVO FLAG IS DISPLAYED, OP 4, PARA 2-8/3-14.10.1.

INIT: \_\_\_\_\_

7. ENSURE THAT "HERO" RESTRICTIONS ARE SET AS APPLICABLE, OP 3565.

INIT: \_\_\_\_\_

8. ENSURE THAT FIRE HOSES ARE IN THE VICINITY OF AMMUNITION HANDLING AND THAT THEY ARE NOT A TRIP HAZARD. OP 5 VOL1, PARA 4-1.4.4.

INIT: \_\_\_\_\_

9. ENSURE THAT FIRE HOSES ARE MANNED AT A MINIMUM WITH A NOZZLEMAN, HOSEMAN, AND PLUGMAN. OP 4, PARA 2-23.3.

INIT: \_\_\_\_\_

10. ENSURE THAT HOIST AND J BAR DAVIT OR ANY OTHER HANDLING EQUIPMENT IS IN GOOD CONDITION AND THAT THE WEIGHT TEST HAS NOT EXPIRED. OP 4, PARA 3-9.5.2.

INIT: \_\_\_\_\_

11. VERIFY THAT AMMUNITION HANDLING SAFETY BRIEF WAS GIVEN TO THE AMMUNITION WORKING PARTY, AS PER SHIPS INSTRUCTION/OP 3347, PARA 3-1.3.2.

INIT: \_\_\_\_\_

12. VERIFY AMMUNITION WORKING PARTY IS IN PROPER BATTLE DRESS, AS PER SHIP'S INSTRUCTION.

INIT: \_\_\_\_\_

13. VERIFY THAT SAFETY LOADING OFFICERS AND THEIR ASSISTANTS IDENTIFICATION (i.e. WHITE HELMETS, ARMBANDS OR OTHER ITEMS BY WHICH THEY CAN BE IDENTIFIED) ARE READILY VISIBLE, OP 4, PARA 2-4.

INIT: \_\_\_\_\_

14. ENSURE THAT ALL PERSONNEL INVOLVED IN THE AMMUNITION HANDLING EVOLUTION ARE QUALIFIED/CERTIFIED PER OPNAVINST 8023.24A.

SHIP'S REPRESENTATIVE SIGNATURE: \_\_\_\_\_

15. SAFETY OBSERVERS WILL ENSURE GOOD HOUSE KEEPING IN VICINITY OF AMMUNITION HANDLING.

INIT: \_\_\_\_\_

16. ENSURE THAT ALL BERTHING BARGES, TRAILERS, OFFICES OR OTHER OCCUPIED SPACES INSIDE THE ARC HAVE BEEN EVACUATED.

INIT: \_\_\_\_\_

NOTE: AMMUNITION HANDLING EVOLUTIONS WILL NOT BE PERMITTED TO COMMENCE UNTIL ANY NOTED SAFETY DISCREPANCIES HAVE BEEN ELIMINATED. IF THERE ARE ANY QUESTIONS CONCERNING THE CHECK OFF LIST OR SAFETY, CONTACT THE NAVAL BASE EXPLOSIVES SAFETY OFFICER, AT (619) 556-5700.

DATE: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_