



DEPARTMENT OF THE NAVY

NAVAL SEA SYSTEMS COMMAND
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IN REPLY REFER TO

NAVSEAINST 8023.12
Ser N71
15 May 98

NAVSEA INSTRUCTION 8023.12

From: Commander, Naval Sea Systems Command

Subj: SHIPBOARD EXPLOSIVES SAFETY INSPECTION PROGRAM

Ref: (a) OPNAVINST 8023.2C
(b) NAVSEAINST 5450.72

Encl: (1) Shipboard Explosives Safety Program Evaluation Guide
(2) Sample Change Letter

1. Purpose. To publish procedures and assign responsibilities governing the implementation, execution and management of the Shipboard Explosives Safety Inspection (SESI) Program as required by reference (a).
2. Cancellation. NAVORDCENINST 8023.1.
3. Scope. This instruction is applicable to all Department of the Navy (DON) and Military Sealift Command (MSC) ships that stow/transport ammunition and explosives.
4. Objective. To assess the quality of the DON Shipboard Explosives Safety Program and to ensure compliance with safety standards during the execution of shipboard operations involving the handling, stowage, and use of ammunition and explosives. The ultimate goal of the Shipboard Explosives Safety Program is to maintain the highest level of Fleet readiness by preventing mishaps involving ammunition and explosives, thereby, eliminating associated deaths, injuries, lost work days and property damage. The purpose of the SESI Program is to promote heightened hazard awareness of explosives safety requirements, measure the extent to which ship's personnel are performing their duties in compliance with regulations, assess the ship's overall ordnance safety posture, and provide informal explosives safety training of ship's personnel.
5. Background. References (a) and (b) assign Commander, Naval Ordnance Center (NAVORDCEN) as the DON technical authority for explosives safety. This assignment includes responsibility for the issue of implementing instructions for explosive safety and regular safety inspections to ensure compliance with those instructions.
6. Information. The following information is furnished concerning enclosure (1). The Shipboard Explosives Safety Program Evaluation Guide:



* 0 6 9 3 - L D - 0 1 4 - 8 8 4 0 *

- a. Is to be used as guidance for ship's personnel:
 - (1) When conducting self-audits.
 - (2) When preparing for SESIs.
 - (3) In maintaining a high level of explosives safety readiness by establishing and maintaining an effective Shipboard Explosives Safety Program.
- b. Was compiled from an extensive list of documents governing shipboard explosives safety issues.
- c. Imposes no additional requirements.
- d. Is not considered to be all inclusive.
- e. Will be used as a guide by ESI inspectors.

7. Action.

- a. Fleet Commanders in Chief (FLTCINCs) and MSC. Will provide oversight of the Shipboard Explosives Safety Program.
- b. Naval Sea Systems Command (NAVSEASYSCOM). Will provide administrative support to distribute/maintain this instruction.
- c. NAVORDCEN will:
 - (1) Establish the SESI Program mission.
 - (2) Exercise overall management of the SESI Program.
 - (3) Update this instruction as required.
 - (4) Provide the necessary support to the Explosives Safety Support Offices, Atlantic and Pacific (ESSOs) to allow the SESI Program to be conducted.
 - (5) Assign a Navy officer (05/06) as the Chief Inspector of the SESI Team as required.
 - (6) Assign technical personnel as augmentees to the SESI Team as required.
 - (7) Annually, at the end of the fiscal year, but not later than 31 March, provide the Chief of Naval Operations (CNO) (N411) with a status report on the SESI Program with copies to the FLTCINC, NAVSEASYSCOM, Type Commanders (TYCOMs), Naval Safety Center (NAVSAFCEN) and ESSOs.
- d. TYCOM will:

(1) Schedule SESIs with the ESSOs at intervals not to exceed 24 months as practicable, considering the following:

- (a) Planned deployment and dry dock schedules.
- (b) Representative portion of ammunition onboard.

(c) All attempts should be made to complete the SESI in one post-load phase, unless there are specific advantages to conducting the SESI in two, pre- and post-load, phases and/or the ship's on board ammunition is insufficient to effectively assess ammunition stowage, handling, compatibility and securing-for-sea.

(2) Monitor and follow-up on the discrepancies cited in the SESI Report.

(3) Schedule "Design Deficiencies" to be corrected during the next scheduled overhaul or the next in port availability, whenever practical.

e. Technical Center for Explosives Safety (TCES) will:

(1) Assist NAVORDCEN, as required, in monitoring and evaluating the effectiveness of the Shipboard Explosives Safety Program.

(2) Assist the ESSOs in conducting SESIs, as required.

(3) Monitor, track and maintain a comprehensive data base of SESI Reports, discrepancies and corrective actions taken by the ships.

(4) Annually, at the end of each fiscal year, but not later than 31 March, submit a status report to NAVORDCEN addressing:

(a) The frequency of SESI cited discrepancies.

(b) Positive/negative trends indicated.

(c) Adjustments to the SESI Program to maximize overall effectiveness.

(5) Assist in maintaining enclosure (1).

(6) Compile and forward recommended changes to the SESI Functional Guide using the sample format provided in enclosure (2), to NAVORDCEN for use in updating enclosure (1).

f. ESSOs will:

(1) Schedule SESIs with the ship's TYCOM.

- (2) Assign a SESI Team and Team Leader for each ship.
- (3) Issue a SESI Report to the ship with copies to the appropriate FLTCINC, TYCOM, squadron and group, NAVORDCEN, TCES, NAVSAFCEN, appropriate Supervisor of Shipbuilding Office Norfolk or San Diego, NAVSEASYSKOM Type Desk and others as necessary.
- (4) Assist in maintaining enclosure (1).
- (5) Provide explosives safety assist visits as required.
- (6) Provide general explosives safety assistance.
- (7) Ensure TYCOMs are notified of any "major" discrepancies found during the SESI and make recommendations for corrective action as may be required.

g. SESI Team will:

- (1) Schedule and conduct an in-brief with the Commanding Officer or designated representative of the ship and/or other appropriate personnel, e.g., squadron/group.
- (2) Perform the SESI in one or two phases. The scope of the phase two SESI will be limited to the assessment of ammunition stowage, compatibility and securing for sea.
- (3) Take the following actions if a "Major" discrepancy is discovered, which, in the opinion of the SESI Team, expose personnel/property to imminent danger:
 - (a) Direct that the operation be suspended.
 - (b) Notify the Commanding Officer of the discrepancy and recommend the initiation of immediate corrective action.
 - (c) Notify their ESSO about the discrepancy, immediate measures taken to protect personnel/property, impact on readiness and planned long-term corrective action.
- (4) Report all discrepancies.
- (5) Identify each discrepancy as "General," "Major," "Repeat" or "Design Deficiency."
- (6) Serialize each discrepancy as a "Finding" that tracks with the programs and elements in enclosure (1).
- (7) Identify discrepancies cited as "Design Deficiencies" in the SESI Report that were caused by ship design, construction or modification, or by changes to Navy Ships Technical Manuals or other directives subsequent to a ship's initial construction.

(8) Identify the percent of shipfill, mission and cargo load ammunition allowances aboard during the SESI.

(9) Schedule and conduct an out-brief with the Commanding Officer of the ship and other appropriate personnel to review the SESI findings including:

(a) Number and type of discrepancies.

(b) The recommended Satisfactory or Unsatisfactory rating for each of the applicable programs in enclosure (1).

(c) The overall attitude and knowledge of the crew regarding explosives safety.

h. Chief Inspector will:

(1) With SESI team participation, provide an in-brief to the Commanding officer of the activity being inspected.

(2) With SESI team participation, provide an out-brief to the Commanding Officer upon completion of the inspection in accordance with paragraph 7g(9).

(3) Assume final responsibility for the overall evaluation of the ship's explosives safety posture.

i. Ships will:

(1) Use enclosure (1) (available electronically from your TYCOM) for basic guidance in conducting self-inspections and in preparation for a SESI.

(2) Coordinate/schedule the SESI with your ISIC/TYCOM.

(3) Have an appropriate number of trained personnel available to support the SESI team.

(4) Take action to correct or have corrected all reported discrepancies.

(5) Log "Design Deficiencies" into the Current Ship's Maintenance Project listing.

(6) Send a status message or letter to your TYCOM, with information copies as indicated in the SESI Report, within 30 days following receipt of the report that:

(a) Addresses the appropriate "Finding" number for each discrepancy cited.

(b) Identifies corrected discrepancies.

(c) Identifies actions taken/planned and the expected completion date to correct any remaining discrepancies.

(7) Submit "Design Deficiencies" to your TYCOM in accordance with CINCLANTFLT/CINCPACFLT instruction 4790.3 and your TYCOM instructions.

(8) Submit recommended changes to enclosure (1) using the sample format provided in enclosure (2).

(9) When using a safety assist team, i.e., Ordnance Handling Safety Assistance Team, Weapons Safety Assistance Team or NAVSAFCEN, request that they use enclosure (1) to the fullest extent possible when performing their surveys to maintain continuity with the SESI Program and the appropriate governing safety standards.

Paul M. Robinson
PAUL M. ROBINSON
Acting

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SHIPBOARD EXPLOSIVES SAFETY PROGRAM EVALUATION GUIDE

SHIP:
DATE:
INSPECTOR(S):

- REF: (a) NAVSEA OP 4, Fifth Revision
(b) OPNAVINST 8023.2 (Series)
(c) NAVSEA S9522-AA-HBK-010, First Revision
(d) NAVSEA SW023-AH-WHM-010, First Revision
(e) Naval Ships Technical Manual
(f) General Specifications for Ships/Overhaul of Surface
Ships of the U.S. Navy
(g) OPNAVINST 5530.13 (Series)
(h) NAVSEA SW050-AB-MMA-010
(i) NAVSEA 3347, Second Revision
(j) NAVSEA S6340-AA-MMA-010, Second Revision
(k) COMSUBLANT/COMSUBPACINST C8500.4 (Series)
(l) OPNAVINST 5100.19 (Series)
(m) NAVSEA S6430-AE-TED-010
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PROGRAM 01 - ADMINISTRATION

ELEMENT .01 TRAINING, POS, QUALIFICATION/CERTIFICATION

- | | YES | NO | N/A |
|--|-----|----|-----|
| A. DOES THE SHIP HAVE AN ORDNANCE QUALIFICATION AND CERTIFICATION PROGRAM IN EFFECT FOR PERSONNEL ACTIVELY ENGAGED IN ORDNANCE HANDLING? | — | — | — |
| REF: (a), para 2-61 | | | |
| B. HAVE PERSONNEL RESPONSIBLE FOR MAGAZINE SPRINKLER SYSTEM MAINTENANCE RECEIVED TRAINING AND COMPLETED APPLICABLE PQS? | — | — | — |
| REF: (a), para 2-61; (b), Encl (5) | | | |

ELEMENT .02 PUBLICATIONS AND INSTRUCTIONS

- | | | | |
|--|---|---|---|
| A. ARE ORDNANCE SAFETY PUBLICATIONS AND INSTRUCTIONS ON BOARD AND UP TO DATE? | — | — | — |
| REF: (a), Append B | | | |
| B. DOES THE SHIP HAVE A HERO BILL, AND IS THE BILL CURRENT IN ACCORDANCE WITH LATEST REVISION/CHANGE TO NAVSEA OP 3565, VOL II PART 1? | — | — | — |
| REF: (a), para 2-52 | | | |
| C. DOES HERO BILL ADDRESS THE APPROPRIATE HERO CONDITION FOR ALL AMMUNITION BEING HANDLED? | — | — | — |
| REF: NAVSEA OP 3565, VOL II PART 1 | | | |

ELEMENT .03 RECORDS

- | | | | |
|--|---|---|---|
| A. ARE MAGAZINE TEMPERATURES RECORDED DAILY AND DATA TRANSFERRED TO SHIP'S SMOOTH DECK LOG FOR A PERMANENT RECORD? | — | — | — |
| REF: (a), paras 4-10 and 7-5 | | | |
| B. ARE EXCESSIVE MAGAZINE/LOCKER TEMPERATURES REPORTED TO NAVSEA? | — | — | — |
| REF: (a), para 7-5 | | | |
| C. DO PMS RECORDS INDICATE THAT REQUIRED SPRINKLER SYSTEM TESTS ARE CONDUCTED? | — | — | — |
| REF: (a), para 7-5A; (c), Chap 5 | | | |

- | | YES | NO | N/A |
|--|-----|-----|-----|
| D. DO PMS RECORDS INDICATE THAT REQUIRED MAGAZINE INSPECTIONS ARE BEING CONDUCTED? | --- | --- | --- |
| ARE THEY DOCUMENTED AS ENTRIES OF DAILY TEMPERATURE ON MAGAZINE TEMPERATURE CARDS/FORMS, GUNNERY DEPARTMENT RECORDS, AND SHIP'S SMOOTH DECK LOG? | --- | --- | --- |
| REF: (a), paras 4-5 and 4-10 | | | |

PROGRAM 02 - MAGAZINES/HANDLING ROOMS

ELEMENT .01 EQUIPMENT

- | | | | |
|--|-----|-----|-----|
| A. ARE MAGAZINES PROPERLY IDENTIFIED AS TO CONTENTS? | --- | --- | --- |
| REF: (a), paras 3-2.2 | | | |
| B. CAN DOORS AND HATCHES BE SECURED IN THE OPEN POSITION? | --- | --- | --- |
| REF: (a), para 2-67 | | | |
| C. DO ACCESS DOORS HAVE RUBBER GASKETS? | --- | --- | --- |
| ARE THEY IN GOOD MATERIAL CONDITION (NOT BROKEN/DETERIORATED)? | --- | --- | --- |
| REF: PMS | | | |
| D. ARE AMMUNITION PASSING SCUTTLES IN GOOD CONDITION? | --- | --- | --- |
| REF: (a), paras 2-67B & D & 2-82; (e), para 700-2.2.12 | | | |
| E. IS A BIMETALLIC THERMOMETER AND TEMPERATURE CARD PRESENT AND PROPERLY MOUNTED? | --- | --- | --- |
| IS THE CALIBRATION CURRENT? | --- | --- | --- |
| REF: (a), paras 3-27, 3-28, and 7-5; (e), para 504-7.19; NAVSEA OF 45845 (METRL) | | | |
| F. ARE A SUFFICIENT NUMBER OF PORTABLE LANTERNS (BATTERY OPERATED) PRESENT & PROPERLY MOUNTED? | --- | --- | --- |
| REF: (e), para 330-1.9.3.6 | | | |
| G. ARE ALL LIGHTS, INCLUDING PORTABLE LANTERNS, OPERATIVE & IN GOOD CONDITION? | --- | --- | --- |
| REF: (a), paras 2-66.7 & 3-31A | | | |

	YES	NO	N/A
H. ARE ALL COVERS/GLOBES IN PLACE ON LIGHT FIXTURES? REF: (a), paras 3-31, 3-31A and 3-51A	_____	_____	_____
I. IS ELECTRICAL WIRING OR EQUIPMENT WATERTIGHT & OF THE PROPER TYPE IN ACCORDANCE WITH GENSPECS? REF: (a), paras 3-31 and 3-31A	_____	_____	_____
J. ARE HIGH TEMPERATURE (F CIRCUIT) THERMOSTATS (TYPE IC/J-105) PROPERLY INSTALLED WITH MINIMUM OF TWO SENSORS PER SPACE? REF: (a), paras 3-21E and 3-127; (c), para 3-3.2	_____	_____	_____
K. ARE THERMOSTATS INSULATED FROM THE STEEL STRUCTURE IN SPACES WHERE THE OVERHEAD IS EXPOSED TO RADIANT HEAT? REF: (a), para 3-21E	_____	_____	_____
L. ARE THERMOSTATS CLEAN, SENSOR BOOTS UNPAINTED AND NOT TORN OR DAMAGED? REF: (c) 5-3.1.G.1	_____	_____	_____
M. IS PIPING AND ELECTRICAL CABLING THAT IS ROUTED THROUGH MAGAZINE REQUIRED FOR DIRECT SUPPORT OF MAGAZINE? REF: (a), paras 3-27E, and F	_____	_____	_____
N. IF WAVEGUIDES ARE REQUIRED TO BE RUN THROUGH A MAGAZINE, ARE THEY ONLY RIGID AND CONTINUOUS, WITHOUT SPLICES? REF: (a), para 3-27G	_____	_____	_____
O. ARE RF TRANSMITTERS, RF CABLES, OR WAVEGUIDES PLACED IN LOCATIONS SEPARATE FROM AMMO COMPARTMENTS OR MAGAZINES CONTAINING ELECTRO-EXPLOSIVE DEVICES (EEDS)? NOTE: RF EQUIPMENT MAY BE CO-LOCATED WITH EEDS IN THE SAME MAGAZINE/COMPARTMENT PROVIDED MINIMUM SEPARATION DISTANCE OF 1.5 METERS (FIVE FEET) IS MAINTAINED. REF: (a), para 3-27D	_____	_____	_____

	YES	NO	N/A
P. ARE WIRE MESH SCREENS PROVIDED FOR VENTILATION SUPPLY/EXHAUST DUCT TERMINALS?	---	---	---
ARE THEY CLEAN?	---	---	---
REF: (a), para 3-19; (e), para 700-5.8.1			
Q. IS A MAGAZINE VENT CHECK VALVE PROPERLY INSTALLED TO ENSURE COMPLETE FLOODING OF THE SPACE?	---	---	---
REF: (a), para 3-19A			
R. DO MAGAZINES HAVE A MEANS OF VENTILATION OR MECHANICAL COOLING, AS NECESSARY TO PREVENT OVERHEATING OR CONDENSATION OF MOISTURE?	---	---	---
REF: (a), paras 3-15 and 3-17; (e), para 700-5.5.2			
S. HAVE BRACKETS FOR SHORT CHARGE POWDER TANKS BEEN PROVIDED?	---	---	---
REF: (a), para 3-27			
T. ARE MAGAZINES PROPERLY EQUIPPED WITH BINS, STANCHIONS AND/OR HOLD-DOWN FACILITIES?	---	---	---
ARE STANCHIONS AND MATING SLOTS PROPERLY IDENTIFIED?	---	---	---
REF: (a), paras 3-27B and 3-42; (e), para 700-5.9; (f), Sec 710			
U. DO MAGAZINES THAT CANNOT BE DRAINED OVERBOARD BY GRAVITY HAVE DEWATERING CAPABILITY (INCLUDING A VALVED VENT TO ALLOW AIR INTO MAGAZINE WHEN DEWATERING)?	---	---	---
REF: (a), para 3-126; (e), paras 079-30.25 and 079-30.26; (f), Sec 528c			
V. ARE NON-SKID TREADS OR DECK COVERING INSTALLED IN WORKING AREAS OF MAGAZINES, HANDLING ROOMS, AND READY SERVICE AREAS?	---	---	---
REF: (a), paras 2-33 and 3-29; (e), para 634-2.1 and Table 634-1			
W. ARE PANELS/DOORS BETWEEN ELEVATOR SHAFTS AND AMMUNITION KEPT IN PLACE AS NECESSARY TO PROVIDE FLAME BARRIER?	---	---	---
REF: (a), para 2-67			

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	YES	NO	N/A
X. IS A WATER TANK FOR IMMERSION OF WP "LEAKER" PROVIDED? (EXCLUDING LFORM)	---	---	---
REF: (a), paras 3-84B6 and 3-135			
Y. IS PERSONAL PROTECTIVE EQUIPMENT AVAILABLE IN THE IMMEDIATE VICINITY OF THE WHITE PHOSPHORUS STOWAGE TO HANDLE A "LEAKER"?	---	---	---
REF: (a), para 3-84B7			
<u>ELEMENT .02 STOWAGE</u>			
A. IS AMMUNITION STOWAGE CHART POSTED IN MAGAZINE?	---	---	---
REF: (a), paras 3-34 and 3-41			
B. IS PROPER DUNNAGE PROVIDED TO ALLOW AIR FLOW AROUND THE STOW?	---	---	---
REF: (a), paras 3-30 & 3-41; (e), para 700-5.6.1			
C. IS AMMUNITION PROPERLY SHORED, TIED DOWN, AND OTHERWISE SECURED FOR SEA?	---	---	---
REF: (a), paras 2-50 and 3-42			
D. ARE BATTENS/STANCHIONS IN GOOD CONDITION AND PROPERLY SECURED WITH TOGGLE PINS OR OTHER DEVICES TO PREVENT AMMUNITION FROM SHIFTING?	---	---	---
REF: (a), para 3-27B.3; (e), para 700-5.9			
E. ARE THE AMMUNITION CONTAINERS MARKED AS TO THEIR TRUE CONTENTS?	---	---	---
REF: (a), para 2-68			
F. ARE AMMUNITION CONTAINERS SEALED & NO LOOSE ROUNDS NOTED?	---	---	---
REF: (a), paras 2-51, 2-68, 2-105, 2-106 & 3-42			
G. IS AMMUNITION STORED IN PROPER CONFIGURATION/ LOCATION?	---	---	---
REF: (a), paras 3-33 and 3-41; (e), para 700-5.1.1			
H. ARE ITEMS STOWED TOGETHER COMPATIBLE ACCORDING TO APPLICABLE DIRECTIVES?	---	---	---
REF: (a), para 3-34 and Tables 3-1, -2 & -3; 46 CFR 146.29, Chart A			
I. ARE THE TOPS OF AMMUNITION/POWDER TANKS IN PLACE AND SECURE?	YES	NO	N/A
REF: (a), paras 3-54.5 and 5-5	---	---	---
J. DO PYROTECHNIC ITEMS HAVE SAFETY DEVICES IN PLACE AND ARE THESE ITEMS IN A "SAFE" CONDITION?	---	---	---
REF: (a), paras 2-108 and 3-82; (h), as applicable			

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2-3

- K. ARE DETONATORS STOWED IN DETONATOR LOCKERS? _____
REF: (a), para 3-75
- L. ARE FUZE PROTECTOR CAPS INSTALLED ON PROJECTILES? _____
REF: (a), paras 2-103 and 3-59; (i), para 2-1.3.1
- M. ARE PLUGS INSTALLED IN BOMB FUZE CAVITIES? _____
REF: (a), para 5-19
- N. ARE WHITE PHOSPHORUS ITEMS IN CARGO STOWAGE PLACED
IN PROPER "NOSE UP" POSITIONS AS REQUIRED BY CURRENT
DIRECTIVES? _____
REF: (a), paras 3-84B.4 and 3-135.3
- O. IS THERE EXCESSIVE OR NON-ESSENTIAL AMMUNITION ON
BOARD WITHOUT PROPER STOWAGE SPACE? _____
REF: (a), paras 3-2 and 3-2.4; (e), para 700-5.1.1
- P. IS SUSPECT AMMUNITION ON BOARD? _____
IS UNSERVICEABLE/SUSPENDED AMMUNITION PROPERLY
IDENTIFIED? _____
REF: (a), para 2-143
- Q. IS PRACTICE, DUMMY/DRILL AMMUNITION, STOWED WITH
SERVICE TYPE, PROPERLY COLOR CODED AND TAGGED "FOR
PRACTICE ONLY"? _____
REF: (a), para 3-61; (e), para 700-5.11.2
- ELEMENT .03 HOUSEKEEPING
- A. IS ONLY AUTHORIZED MATERIAL STOWED IN MAGAZINE? _____
REF: (a), paras 3-113 and 4-5; (e), para 700-5.13.4

- | | YES | NO | N/A |
|---|-----|-----|-----|
| B. IS HOUSEKEEPING SATISFACTORY? | --- | --- | --- |
| REF: (a), para 3-47; (e), para 700-5.8.1 | | | |
| C. IS EXCESSIVE CONDENSATION FROM COOLING/HEATING SYSTEMS, ABOVE OR BELOW, CAUSING RUSTING ON OVERHEAD OR DECK SURFACES OF MAGAZINES? | --- | --- | --- |
| REF: (a), paras 3-47 and 4-5 | | | |

ELEMENT .04 SPRINKLER PROTECTION

- | | | | |
|---|-----|-----|-----|
| A. ARE PRIMARY AND MISSILE MAGAZINES, AMMUNITION HANDLING ROOMS AND APPLICABLE READY SERVICE MAGAZINES COVERED BY A PROPERLY INSTALLED SPRINKLER SYSTEM? | --- | --- | --- |
| REF: (a), para 3-20; (c), para 4-1 | | | |
| B. IS AMMUNITION IN THE MAGAZINE ADEQUATELY PROTECTED BY THE INSTALLED SPRINKLER SYSTEM (MANNER IN WHICH AMMO IS STOWED; SPRINKLER PIPING ARRAY & DISTRIBUTION OF SPRINKLER HEADS; HOLES IN STORAGE BIN SHELVES IAW NAVSHIPS DWGS 4563098 (REV. A) & 860159 (REV. R)) | --- | --- | --- |
| ARE ANY HEADS DAMAGED OR MISSING? | --- | --- | --- |
| REF: (a), paras 3-20, 3-21C & 3-41 | | | |

ELEMENT .05 SAFETY PRECAUTIONS/WARNING SIGNS

- | | | | |
|--|-----|-----|-----|
| A. ARE PROPER SAFETY PRECAUTIONS POSTED? ARE THEY LEGIBLE? | --- | --- | --- |
| REF: (a), paras 2-29 & 3-49; (e), para 700-5.7.1 | | | |
| B. ARE "AMMUNITION FAR SIDE" SIGNS POSTED? | --- | --- | --- |
| REF: (a) paras 3-40, 3-40A & Fig 3-1; (e) para 700-5.7.1 & Fig 700-18 | | | |
| C. HAVE SAFETY PRECAUTIONS FOR HANDLING WHITE PHOSPHORUS ITEMS BEEN POSTED IN THE IMMEDIATE AREA OF THE STOWAGE SPACE? | --- | --- | --- |
| REF: (a), paras 2-29, 3-49 and 3-84B | | | |
| D. HAVE SAFETY PRECAUTIONS FOR OTTO FUEL II BEEN POSTED IN THE IMMEDIATE AREA OF THE STORAGE SPACE? | --- | --- | --- |
| REF: (j), para 4-4 | | | |

ELEMENT .06 LFORM STOWAGE

	YES	NO	N/A
A. ARE PORTABLE WOODEN BULKHEADS CONSTRUCTED WITH FIRE-RETARDANT 3/4 INCH PLYWOOD AND DOES IT PROVIDE A FUME-TIGHT BARRIER? REF: (a), para 3-134	---	---	---
B. ARE ALL FUME-TIGHT BULKHEAD PANELS PROPERLY IN PLACE? IF NOT, HAS THE COMMANDING OFFICER AUTHORIZED A MINIMUM NUMBER OF PANELS TEMPORARILY REMOVED TO ALLOW FOR AMMUNITION HANDLING? REF: (a), para 3-134	---	---	---
C. ARE ACCESS DOORS CUT INTO THE FUME-TIGHT BULKHEADS PROPERLY INSTALLED TO MAINTAIN THE FUME-TIGHT INTEGRITY OF THE BULKHEADS? REF: (a), para 3-134	---	---	---
D. IS THE LFORM AMMUNITION ALLOWANCE COMPATIBLY STORED? REF: (a), para 3-132 and Table 3-3	---	---	---
E. ARE THE STOWAGE FITTINGS AND AMMUNITION SECURING DEVICES PROPERLY INSTALLED TO ENSURE CONTENTS ARE PROPERLY SECURED FOR SEA? REF: (a) para 3-42; NAVSEA OP 4550	---	---	---
F. ARE DECK LOAD LIMITS POSTED? ARE THEY CORRECT? REF: NAVSEA OP 4550	---	---	---

PROGRAM 03 - SPRINKLER SYSTEMS

ELEMENT .01 FUNCTIONAL TEST

A. ARE NECESSARY TOOLS ON BOARD TO PROPERLY TEST SPRINKLER SYSTEMS? REF: (c), all sections	---	---	---
B. ARE TEST FITTINGS (NOT INTEGRAL TO SPRINKLER VALVE) STAMPED WITH THE VALVE DAMAGE CONTROL NUMBER/GROUP OF THE VALVE IT SERVES? REF: (c), para 3-1.1.1	---	---	---

	YES	NO	N/A
C. IS A LOCKER PROVIDED FOR SPRINKLER SYSTEM TEST FITTINGS? REF: (a), para 3-21H	---	---	---
D. IS THERE A COMMUNICATIONS SYSTEM BETWEEN LOCAL AND REMOTE SPRINKLER CONTROL STATIONS? REF: (a), para 3-22	---	---	---
E. DO MAGAZINE SPRINKLER SYSTEMS PASS FUNCTIONAL TESTS AS REQUIRED BY PMS? DOES SYSTEM OPERATE FROM LOCAL, REMOTE, AND/OR PRP CONTROL VALVES? DOES PRP HOLD REQUIRED AIR PRESSURE FOR REQUIRED LENGTH OF TIME? REF: (c), Chap 5	---	---	---

ELEMENT .02 GENERAL

A. ARE LOCAL AND REMOTE SPRINKLER CONTROL STATIONS PLACARDED TO IDENTIFY THE SPACES COVERED BY THE SYSTEM? REF: (a), para 3-21D	---	---	---
B. ARE IDENTIFICATION PLATES AND OPERATING INSTRUCTIONS POSTED FOR THE SYSTEM AT THE OPERATING STATIONS? ARE THEY CORRECT? ARE THEY LEGIBLE? REF: (a), para 3-21D	---	---	---
C. ARE LOCAL CONTROL STATIONS LOCATED IN, OR IN THE IMMEDIATE VICINITY OF, THE SPACE? REF: (a), para 3-20; (c), para 4-2.2	---	---	---
D. ARE REMOTE CONTROL STATIONS LOCATED ON THE DAMAGE CONTROL DECK (ONLY REQUIRED FOR MAGAZINES BELOW THE DAMAGE CONTROL DECK)? REF: (a), para 3-20; (c), para 4-2.2	---	---	---
E. ARE REMOTE AND LOCAL MANUAL CONTROL VALVES PROPERLY SECURED WITH A WEDGE AND SINGLE LEAD-WIRE SEAL? REF: (a), para 3-21B; (c), para 3-1.7.2 and Fig 3-9	---	---	---

	YES	NO	N/A
F. ARE LOCAL AND REMOTE CONTROL VALVES, LOCATED MESS LINES, BERTHING COMPARTMENTS OR OTHER AREAS WHERE PERSONNEL CONGREGATE, PROVIDED WITH AN ADDITIONAL PROTECTIVE DEVICE TO PREVENT INADVERTENT ACTUATION? REF: (a), para 3-21B; (c), para 3-1.7.2	---	---	---
G. ARE LOCAL AND REMOTE STATION SUPPLIES PROTECTED BY A STRAINER? REF: (c), Figs 4-1, 4-2 and 4-3	---	---	---
H. WHEN THE SPRINKLER CONTROL VALVE SERVES TWO OR MORE MAGAZINES, IS THE CORRECT TYPE OF VALVE (STOP-LIFT-CHECK, STOP, ETC.) INSTALLED IN EACH BRANCH LINE OF SPRINKLING SYSTEM TO PREVENT BACK FLOODING? REF: (a), para 3-21A; (f), Sec 521	---	---	---
I. ARE THESE VALVES LOCKED IN THE CHECK (STOP-LIFT-CHECK VALVE) OR OPEN (STOP VALVE) POSITION? REF: (a), para 3-21A; (f), Sec 521	---	---	---
J. IS THERE A 1/8-INCH CONDENSATION DRAIN HOLE DRILLED IN THE UNDERSIDE OF HORIZONTAL PIPING IMMEDIATELY DOWNSTREAM FROM FH ALARM? REF: (c), Figs 4-1 and 4-2	---	---	---
K. ARE ALL SYSTEM COMPONENTS OR JOINTS FREE FROM SIGNS OF LEAKS? REF: (c), All Secs	---	---	---
L. ARE FIREMAIN CUTOFF VALVES OPEN TO ENSURE ADEQUATE WATER PRESSURE TO SPRINKLER CONTROL VALVES? REF: (c), para 3-1.1.3	---	---	---
M. ARE PORTS B AND D OF THE MAGAZINE SPRINKLER CONTROL VALVE OPEN TO THE ATMOSPHERE (NOT PLUGGED)? REF: (c), para 3-1.1.2	---	---	---

ELEMENT .03 EQUIPMENT

A. ARE AUTOMATIC SPRINKLER CONTROL SYSTEMS INSTALLED IN MAGAZINES THAT CONTAIN 76MM AND LARGER AMMUNITION AND LOCATED BELOW THE DAMAGE CONTROL DECK? REF: (c), para 4-4	---	---	---
--	-----	-----	-----

	YES	NO	N/A
B. ARE THE VARIOUS PRESSURE GAGES IN THE SPRINKLER SYSTEM PROPERLY MOUNTED & CALIBRATED?	---	---	---
IS FIREMAIN PRESSURE ADEQUATE FOR TYPE SYSTEM INSTALLED?	---	---	---
REF: (c) paras 3-4.2.1 and 3-5.4.2; (e), Chap 504; NAVSHIP DWG 803-138550			
C. ARE MANUAL SPRINKLER CONTROL VALVES PROTECTED AGAINST DAMAGE OR TAMPERING IN PASSAGEWAYS AND AREAS WHERE PERSONNEL CONGREGATE?	---	---	---
REF: (a), para 3-21B; (c), para 3-1.7.2 and Fig 3-9			
D. ARE ROOT/GATE VALVES PROVIDED WITH A LOCKING DEVICE (NOT A PADLOCK) TO SECURE VALVES IN THE OPEN POSITION TO ENSURE THAT THE SYSTEM WILL OPERATE?	---	---	---
REF: (a), para 3-21; (c), Figs 4-1, 4-2 and 4-63-2			
E. ARE SPRINKLER PIPES PROPERLY MARKED, SUPPORTED, AND/OR MAINTAINED?	---	---	---
REF: (a), para 3-22A; (e), Chap 505			
F. ARE PIPES OR SUPPORTS BEING IMPROPERLY USED AS TIE-DOWN POINTS (SECURING LINES) FOR SECURING CONTENTS OF MAGAZINE?	---	---	---
REF: (a), para 3-22A			
G. ARE THE REQUIRED NUMBER OF FLAT PLATE ORIFICES (WITH 0.98 HOLE) INSTALLED?	---	---	---
IS PROPER GASKET MATERIAL USED (MIL-R-1149)?	---	---	---
REF: (c), paras 3-5.3 and 4-2.2			
H. ARE ORIFICE PLATES INSTALLED SO THAT FLOW THROUGH THEM IS IN ANY DIRECTION BUT DOWN?	---	---	---
REF: (c), para 3-5.3.2			
I. IS EACH DRAIN LINE PROPERLY NUMBERED?	---	---	---
REF: (c), para 4-2.2 and Fig 4-2			
J. DO DRAIN LINES TERMINATE AT A COMMON LOCATION AND DISCHARGE INTO A PORTABLE CONTAINER?	---	---	---
REF: (c), para 4-2.2			

	YES	NO	N/A
K. ARE ALL INSTALLED SPRINKLER SYSTEM FITTINGS, FLANGES, AND FLANGE BOLTING IN ACCORDANCE WITH THE MATERIAL SELECTION CHART (NON-FERROUS)?	---	---	---
REF: (c), para 4-2.2			
L. ARE CONTROL PIPING AND SPRINKLER COMPONENTS (PIPING AND VALVES) FREE OF PAINT?	---	---	---
REF: (c), para 4-2.2			
<u>ELEMENT .04 AUTOMATIC CONTROL</u>			
A. ARE PRP VALVES SECURELY MOUNTED IN AN ACCESSIBLE LOCATION, FOUR TO SIX FEET ABOVE THE DECK, AND AS NEAR AS POSSIBLE TO MAGAZINE SPRINKLER CONTROL VALVE?	---	---	---
REF: (c), para 3-4.2.2			
B. PRP VALVES MODIFIED (FULCRUM LEVER DAMPER)? (NOTE: PRP VALVES, SERIAL NUMBERS #S-5123 AND BELOW, SHALL HAVE A "D" STAMPED AFTER SERIAL NUMBER.)	---	---	---
REF: (c), para 5-3.3			
C. ARE THE SCHRADER VALVE DUST COVER AND MONEL END PLUG INSTALLED?	---	---	---
REF: (c), para 5-3.3			
D. IS WIRE REINFORCED HOSE WITH MONEL END FITTINGS USED IN PRP INLET/OUTLETS?	---	---	---
IS A LABEL INSTALLED INDICATING ASSEMBLED/INSTALLED DATA?	---	---	---
ARE HOSES WITHIN SHELF/SERVICE LIFE?	---	---	---
REF: (c), para 3-4.2.2 and Fig 3-17-3; (m), Table 5-1			
E. ARE CHECK VALVES INSTALLED IN THE OPEN AND CLOSED LOOP WHERE THERE ARE TWO OR MORE PRP VALVES IN THE MAIN MAGAZINE SPRINKLER VALVE CONTROL SYSTEM?	---	---	---
REF: (c), para 3-1.3.2			
F. ARE PROPER LOOPS INSTALLED IN SEAWATER LINES (10" MIN. DIA. LOOP) AND SENSING LINES (4" MIN. DIA. LOOP) TO THE PRP?	---	---	---
REF: (c), paras 3-4.2.2 and 4-4.2			
G. IS PRP WATER SUPPLY LINE PROTECTED BY A STRAINER?	---	---	---
REF: (c), Figs 4-2, 4-3, and 4-6			
H. IS THERE A LOCKSHIELD GATE VALVE UPSTREAM OF A PROPERLY INSTALLED STRAINER?	---	---	---
REF: (c), Figs 4-2, 4-3 & 4-6			

- I. ARE VENTED CHECK VALVES INSTALLED IN A HORIZONTAL BANK ABOVE PRP WITH ARROW POINTING DOWN?
DO TRANSMISSION LINES EXCEED 60" (INCLUDING 4" LOOP) BETWEEN VCV AND PRP?
REF: (c), para 3-4.3.2
- J. ARE AT LEAST TWO HSDS (HSD OR COMBINATION OF HAD/FTU) INSTALLED IN EACH MAGAZINE OR CUT-OFF AREA WITHIN THE MAGAZINE?
REF: (a), para 3-125; ©, para 3-4.1.2 and Figs 3-14 and 3-15D
- K. ARE HSDS OR HAD/FTU DEVICES & SENSING LINES PROPERLY INSTALLED?
REF: (c), para 3-4.1.2, figs 3-14 & 3-15, & Append I
- L. ARE ALL HSDS INSTALLED IN EXCESS OF 12 INCHES FROM A BEAM (6 INCHES OR GREATER) OR BULKHEAD?
REF: (c), para 3-4.1.2c
- M. ARE ALL HSDS INSTALLED WITHIN 50 FEET OF THE PRP VALVE?
REF: (c), para 3-4.1.2d
- N. ARE ALL HSDS INSTALLED IN EXCESS OF 5 FEET IF WITHIN 15 DEGREES EITHER SIDE OF CENTER FROM THE OUTPUT OF A SUPPLY VENTILATION TERMINAL OR AIR CONDITIONING UNIT DISCHARGE?
ARE HSDS INSTALLED MORE THAN 18" AWAY FROM ANY COOLING COIL?
REF: (c), para 3-4.1.2b

- | | YES | NO | N/A |
|---|-----|-----|-----|
| O. ARE AUTOMATIC SYSTEM COMPONENTS (E.G., HAD/FTU, HSD, PRP, TRANSMISSION TUBING, ETC.) FREE OF PAINT, MASKING TAPE, ETC., WHICH MIGHT COMPROMISE THE SYSTEM? | --- | --- | --- |
| REF: (c), para 3-4 Enclosure (1) | | | |
| P. ARE BLANKING PLUGS IN TEST PORT & UNUSED TUBING CONNECTION PORTS OF PRP MANIFOLD BRASS? | --- | --- | --- |
| REF: (c), para 3-4.2.1 | | | |
| Q. IS MANUFACTURER'S SEAL INSTALLED ON PRP VALVE? | --- | --- | --- |
| REF: (c), para 5-3.3 | | | |

ELEMENT .05 SPRINKLER ALARMS

- | | | | |
|--|-----|-----|-----|
| A. ARE CIRCUIT FH (SPRINKLING) AND CIRCUIT FD (FLOODING) ALARMS INSTALLED? ARE THEY WIRED SEPARATELY TO THE CENTRAL ALARM PANEL? | --- | --- | --- |
| REF: (a), paras 3-21F and 3-127; (c), para 3-3.2 | | | |
| B. ARE DRAIN PLUGS INSTALLED ON FH ALARM? | --- | --- | --- |
| REF: (c), para 3-3.3 | | | |
| C. IS AN INSTRUCTION PLATE SHOWING THE SYSTEM IDENTIFICATION, MEANING OF ALARM, AND EMERGENCY ACTION REQUIRED UPON ACTIVATION OF THE ALARM, POSTED AT EACH AUDIBLE AND VISUAL ALARM INDICATOR? | --- | --- | --- |
| REF: (a), para 3-21G | | | |
| D. ARE F, FD AND FH ALARM CIRCUITS CONNECTED TO REPEATER ALARM BELLS ON THE BRIDGE, DAMAGE CONTROL STATION AND QUARTERDECK? (NOT COMMON TERMINAL) | --- | --- | --- |
| REF: (a), para 3-21G | | | |
| E. IS A WARNING PLATE "THIS SWITCH SHALL BE IN THE ON POSITION ONLY WHEN THIS STATION IS MANNED" POSTED ADJACENT TO THE REMOTE AUDIBLE ALARMS FOR THE F, FD AND FH CIRCUITS LOCATED IN THE PILOT HOUSE, OOD STATIONS AND DC CENTRAL? | --- | --- | --- |
| REF: (a), para 3-21G | | | |

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ELEMENT .06 PMS RECORD

	YES	NO	N/A
A. DOES PMS INDICATE REQUIRED FH/FD CIRCUIT TESTS ARE CONDUCTED?	_____	_____	_____
REF: (a), para 3-22			
B. DOES PMS INDICATE PROPER OPERATION OF REPEATER ALARM BELLS ON THE BRIDGE, DAMAGE CONTROL STATION, AND QUARTERDECK?	_____	_____	_____
REF: (a), para 3-21G			

PROGRAM 04 - READY SERVICE STOWAGE

ELEMENT .01 EQUIPMENT

A. ARE READY SERVICE LOCKERS LOCATED FOR SAFE HANDLING AND STORAGE OF CONTENTS?	_____	_____	_____
REF: (a), para 3-8; (e), para 700-5.13.1; NAVSEA OP 3565. Vol. II, Part 1, para 5-4.3a			
B. ARE READY SERVICE LOCKERS PROVIDED WITH SUNSHIELDS?	_____	_____	_____
REF: (a), para 3-46; (e), paras 700-5.13.1 and 5.13.2			
C. IS A BIMETALLIC THERMOMETER AND TEMPERATURE CARD PRESENT AND PROPERLY MOUNTED?	_____	_____	_____
IS THE CALIBRATION CURRENT?	_____	_____	_____
REF: (a), para 3-27, 3-28, & 7-5; (e), para 504-7.19; NAVSEA OP 45845 (METRL); (f), Sec 504			
D. CAN READY SERVICE LOCKER LIDS/DOORS BE SECURED IN THE OPEN POSITION?	_____	_____	_____
REF: (a), para 2-67			
E. DO ACCESS LIDS/DOORS HAVE RUBBER GASKETS?	_____	_____	_____
ARE THEY IN GOOD MATERIAL CONDITION (NOT BROKEN OR DETERIORATED)?	_____	_____	_____
REF: (e) 700-5.13.4			
F. ARE CIWS READY SERVICE LOCKERS TILTED 15 DEGREES WHERE DOORS OPEN ATHWARTSHIPS?	_____	_____	_____
REF: NAVSEA Dwg 804-1360106; (e), para 700-5			

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	YES	NO	N/A
G. ARE AIRCRAFT FLOAT LIGHT BRACKETS INSTALLED ON BRIDGE WINGS AND AFTER LOOKOUT STATIONS? (4/OUTBOARD SIDE OF CARRIERS, 3/EACH BRIDGEWING OF ASW SHIPS, 2/BRIDGEWING OF ALL OTHERS)	---	---	---
REF: (f), Sec 710C			
<u>ELEMENT .02 STOWAGE</u>			
A. ARE ITEMS STOWED TOGETHER COMPATIBLE ACCORDING TO APPLICABLE DIRECTIVES?	---	---	---
REF: (a), para 3-33 and Tables 3-1, 3-2 and 3-3			
B. IS ONLY AUTHORIZED MATERIAL STOWED IN LOCKER?	---	---	---
REF: (e), para 700-5.13.4			
C. IS PROPER DUNNAGE PROVIDED TO ALLOW AIR FLOW AROUND THE STOW?	---	---	---
REF: (a), paras 3-30 & 3-41; (e), para 700-5.6.			
D. IS AMMUNITION PROPERLY TIED DOWN AND OTHERWISE SECURED FOR SEA?	---	---	---
REF: (a), paras 2-50 and 3-42			
E. ARE CONTAINERS OF AMMUNITION CLOSED & NO LOOSE ROUNDS NOTED?	---	---	---
REF: (a), paras 2-51, 2-68, 2-105, 2-106 & 3-42			
F. IS AMMUNITION STORED IN PROPER CONFIGURATION/ LOCATION?	---	---	---
REF: (a), para 3-33; (b), para 700-5.13			
G. ARE THE AMMUNITION CONTAINERS MARKED AS TO THEIR TRUE CONTENTS?	---	---	---
REF: (a), para 2-68			
H. ARE SAFETY DEVICES INSTALLED ON PYROTECHNIC ITEMS? ARE PYROTECHNIC ITEMS IN A "SAFE" CONDITION?	---	---	---
REF: (a), paras 2-108 and 3-82; (h), as applicable			
I. ARE THERMITE INCENDIARY MUNITIONS STOWED SEPARATELY IN A SPECIALLY BUILT LOCKER?	---	---	---
REF: (a), para 3-84C1			

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	YES	NO	N/A
J. ARE PYROTECHNIC ITEMS REMOVED FROM RACKS WHILE SHIP IS IN PORT? REF: (a), para 3-83	---	---	---
K. RE PYRO PISTOLS RETURNED TO THE ARMORY (OR SECURE STOWAGE) DURING IN-PORT PERIODS? REF: (g), para 1111	---	---	---
L. IS HOUSEKEEPING SATISFACTORY? REF: (a), para 3-47	---	---	---

ELEMENT .03 SIGNS

A. ARE LOCKERS PROPERLY IDENTIFIED AS TO CONTENTS? REF: (a), paras 3-2.2 AND 3-8	---	---	---
B. ARE PROPER SAFETY PRECAUTIONS POSTED? ARE THEY LEGIBLE? REF: (a), paras 2-29, 3-49, & 3-50; (e), para 700-5.7.1	---	---	---

ELEMENT .04 PMS

A. ARE LOCKERS KEPT CLEAN, PAINTED AND READY FOR USE? REF: (e), para 700-5.13.4	---	---	---
--	-----	-----	-----

PROGRAM 05 - LIFTING EQUIPMENT/CRANES

ELEMENT .01 OPERATORS QUALIFICATION, CERTIFICATION AND LICENSING

A. ARE OPERATORS OF EQUIPMENT HANDLING AMMUNITION QUALIFIED & LICENSED? REF: (a), paras 2-88 & 2-89; (b) Encl 5	---	---	---
--	-----	-----	-----

ELEMENT .02 MATERIAL CONDITION/PMS

A. HAS AMMUNITION HANDLING EQUIPMENT BEEN WEIGHT TESTED IN ACCORDANCE WITH CURRENT DIRECTIVES? IS EQUIPMENT DATE-STAMPED OR TAGGED AS TO TESTS MADE? REF: (a), paras 2-75 and 2-81; (e), paras 700-4.5	---	---	---
--	-----	-----	-----

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- | | YES | NO | N/A |
|--|-----|-----|-----|
| B. IS AMMUNITION HANDLING EQUIPMENT IN A SAFE OPERATING CONDITION? | --- | --- | --- |
| REF: (a), para 2-74; (e), para 700-1 | | | |
| C. ARE ALL SAFETY DEVICES ON AMMO HANDLING EQUIPMENT OPERATIVE? | --- | --- | --- |
| REF: (a), para 2-82; (e), para 700-1.2.2m | | | |
| D. ARE OPERATING INSTRUCTIONS FOR AMMUNITION HOISTS POSTED? | --- | --- | --- |
| REF: (a), paras 2-29D and 2-72.8 | | | |
| E. ARE AMMUNITION HOIST TRUNKS MARKED "KEEP OFF THIS HOIST"? | --- | --- | --- |
| REF: (a), para 2-70B11 | | | |
| F. ARE HOOKS USED TO LIFT AMMUNITION OR WEAPONS PROVIDED WITH SAFETY LATCHES OR MOUSED? | --- | --- | --- |
| REF: (a), para 2-73.3; (e), para 700-4.3.15 | | | |
| G. ARE HOIST HOOKS UNPAINTED TO FACILITATE VISUAL INSPECTION FOR CRACKS AND OTHER DEFECTS? | --- | --- | --- |
| REF: (a), para 2-73.3; (e), paras 700-3.4.6 and 4.3.15 | | | |
| H. DOES CHAIN HOIST HAVE A CHAIN CONTAINER? | --- | --- | --- |
| REF: (f), Sec 703B | | | |
| I. IS REQUIRED ALLOWANCE OF PORTABLE ORDNANCE HANDLING EQUIPMENT ON BOARD? | --- | --- | --- |
| REF: NAVSEAINST 10490. (Applicable to individual ship) | | | |

ELEMENT .03 OPERATING PROCEDURES

- | | | | |
|---|-----|-----|-----|
| A. IS AN ADEQUATE COMMUNICATIONS SYSTEM PROVIDED BETWEEN UPPER AND LOWER STATIONS WHEN AMMUNITION IS HANDLED? | --- | --- | --- |
| REF: (a), para 2-83 | | | |

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**PROGRAM 06 - INDUSTRIAL MATERIALS HANDLING
EQUIPMENT (FORKLIFT TRUCKS, ETC.)**

ELEMENT .01 OPERATORS QUALIFICATION, CERTIFICATION AND LICENSING

	YES	NO	N/A
A. ARE OPERATORS OF MATERIALS HANDLING EQUIPMENT (MHE) QUALIFIED & LICENSED?	---	---	---
REF: (a), paras 2-88 & 2-89; (b), Encl 5			

ELEMENT .02 MATERIAL CONDITION/PMS

A. IS ONLY APPROVED MHE USED FOR HANDLING EXPLOSIVES/AMMUNITION?	---	---	---
REF: (d), para 1-1			
B. HAS MHE BEEN WEIGHT TESTED IN ACCORDANCE WITH CURRENT DIRECTIVES?	---	---	---
IS EQUIPMENT DATE-STAMPED OR TAGGED AS TO TESTS MADE?	---	---	---
REF: (a), paras 2-75 and 2-81; (d), para 6-3			
C. IS EQUIPMENT PAINTED YELLOW WITH APPROPRIATE LETTER DESIGNATION/STRIPE TO IDENTIFY THE TYPE?	---	---	---
REF: (a), para 2-91; (d), paras 2-1.3 and 2-1.4			
D. DOES SAFE WORKING LOAD AND WEIGHT OF EQUIPMENT APPEAR ON THE EQUIPMENT AT A PLACE VISIBLE TO THE OPERATOR AT ALL TIMES?	---	---	---
REF: (a), para 2-93; (d), para 2-1.4.a.			
E. HAVE ANY SAFETY DEVICES ON EQUIPMENT BEEN MADE INOPERATIVE?	---	---	---
REF: (a), para 2-92; (d) para 4-5			
F. IF MHE HAS BEEN MODIFIED, HAS APPROVAL BEEN OBTAINED?	---	---	---
REF: (d), para 1-4			

ELEMENT .03 BATTERY CHARGING EQUIPMENT

	YES	NO	N/A
A. ARE BATTERY CHARGING EQUIPMENT/OPERATIONS LOCATED OUTSIDE AMMUNITION STOWAGE/HANDLING AREAS?	---	---	---

REF: (a), para 2-26

PROGRAM 07 - ELEVATORS

ELEMENT .01 OPERATOR QUALIFICATION, CERTIFICATION, AND LICENSING

A. ARE OPERATORS AND MAINTENANCE TECHNICIANS QUALIFIED AND DESIGNATED IN WRITING?	---	---	---
---	-----	-----	-----

REF: (a), paras 2-88 and 2-89; (b), Encl 5; (e), para 772-4.2.3

B. ARE CREW MEMBERS WHO HANDLE CONVENTIONAL ORDNANCE IN THE QUALIFICATION/CERTIFICATION PROGRAM?	---	---	---
--	-----	-----	-----

REF: (a), paras 2-88 and 2-89; (b), Encl 5; (e), para 772-6.2.6

C. HAS THE COMMANDING OFFICER PROMULGATED A QUALIFICATION PROGRAM FOR ELEVATOR OPERATORS AND MAINTENANCE PERSONNEL?	---	---	---
---	-----	-----	-----

REF: (e), para 772-6.1.1

D. HAS THE COMMANDING OFFICER DESIGNATED IN WRITING: AN OFFICER TO BE RESPONSIBLE FOR THE MANAGEMENT AND ADMINISTRATION OF TRAINING, TESTING, AND QUALIFICATION OF ELEVATOR OPERATORS AND MAINTENANCE PERSONNEL; AND PERSONNEL TO TRAIN, TEST, AND SIGN QUALIFICATIONS CARDS FOR ELEVATOR OPERATORS AND MAINTENANCE CANDIDATES?	---	---	---
---	-----	-----	-----

REF: (e), paras 772-6.2.1 and 772 Appendix C (ACN 1/A)

E. HAVE ELEVATOR AND MAINTENANCE PERSONNEL SUCCESSFULLY COMPLETED A TRAINING AND QUALIFICATION PROGRAM?	---	---	---
---	-----	-----	-----

FORMAL APPROVAL THROUGH THE USE OF QUALIFICATION CARDS SHALL BE REQUIRED FOR EVERY ELEVATOR OPERATOR TEAM MEMBER.

REF: (e), para 772-6.2.3

F. ARE TRAINING RECORDS BEING MAINTAINED IN AUDIT FORM?	---	---	---
---	-----	-----	-----

REF: (e), para 772-6.2.5

ELEMENT .02 MATERIAL CONDITION/PMS

	YES	NO	N/A
A. HAVE ELEVATORS BEEN WEIGHT TESTED IN ACCORDANCE WITH CURRENT DIRECTIVES?	---	---	---

IS EQUIPMENT DATE-STAMPED OR TAGGED AS TO TESTS MADE?

REF: (a), paras 2-75 and 2-81; (e), paras 772-4.6.4 and 5.3.1

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- B. ARE SAFETY DEVICES IN PLACE WITH NO VISUAL DEFECTS? _____
IS RECORD OF PERIODIC PMS TESTS AVAILABLE TO VERIFY SAFETY DEVICE SERVICEABILITY? _____
REF: (a), para 2-82; (e), para 772-4.3.5 and 4.5.2 -
- C. ARE ELEVATORS NOT AUTHORIZED FOR PASSENGER USE MARKED "KEEP OFF THIS ELEVATOR WHEN IN OPERATION"? _____
REF: (a), para 2-70B4; (e), para 772-4.6.6
- D. IS A METAL PLATE, PLACARD, OR STENCIL WITH MINIMUM 2-INCH LETTERING INDICATING THE SAFE WORKING LOAD IN POUNDS PROMINENTLY DISPLAYED NEAR THE MASTER CONTROL STATION? _____
IS THE ELEVATOR WEIGHT CAPACITY CLEARLY VISIBLE ON THE OUTSIDE OF THE ACCESS DOOR AND ON THE INSIDE TRUNK BULKHEAD AT EACH DECK LEVEL SERVED? _____
REF: (a), para 2-70B3; (e), para 772-4.6.5
- E. ARE OPERATING INSTRUCTIONS FOR AMMUNITION ELEVATORS POSTED? _____
REF: (a), paras 2-29D & 2-72.8; (e), para 772-4.3.3
- F. ARE INDICATOR LIGHTS ON ALL CONTROL PANELS OPERABLE AND DO THEY INDICATE A READY AND SAFE CONDITION? _____
REF: (e), para 772-4.3.7
- G. ARE PERSONNEL BARRIERS INSTALLED ACROSS OPEN TRUNK DOORS & AROUND OPEN HATCH EDGES? _____
REF: (e), para 772-4.3.9

	YES	NO	N/A
H. ARE ELEVATOR CONTROL STATIONS PROTECTED BY A LOCKABLE CAGE TO LIMIT PANEL ACCESS TO AUTHORIZED PERSONNEL? (IF NOT, CONTROL STATION SHALL BE DEENERGIZED AND ELECTRICAL POWER SHALL BE ISOLATED AT THE MAIN SWITCHBOARD.)	---	---	---
REF: (e), para 772-4.4.5			
I. DO ELEVATOR PLATFORMS HAVE APPROPRIATE SAFETY MARKINGS (PLATFORM EDGES, INBOARD 3 INCHES, SOLID YELLOW)?	---	---	---
REF: (e), para 772-4.6.2			
<u>ELEMENT .03 PROCEDURES</u>			
A. IS ADEQUATE COMMUNICATIONS SYSTEM PROVIDED BETWEEN UPPER AND LOWER STATIONS WHEN AMMUNITION IS HANDLED?	---	---	---
REF: (a), para 2-83 and 3-13B; (e), para 772-4.3.2			
B. ARE SAFETY OBSERVERS POSTED IN AREAS NOT FULLY VISIBLE TO THE OPERATOR?	---	---	---
REF: (e), para 772-4.3.4			
C. ARE WEAPONS ELEVATORS EXAMINED AT LEAST ONCE EACH WEEK OR AFTER USE FOR LOOSENED OR DAMAGED PARTS?	---	---	---
REF: (a), para 2-70B2			
D. IS THERE A TAG IN-TAG OUT PROCEDURE IN EFFECT?	---	---	---
REF: (e), para 772-4.4.7			
E. ARE ELEVATORS BEING OPERATED WITH A KNOWN DEFECTIVE SAFETY FEATURE?	---	---	---
REF: (e), para 772-4.5.1			
F. ARE TEST DIRECTORS DESIGNATED IN WRITING BY THE COMMANDING OFFICER?	---	---	---
REF: (e), para 772-5.3.1.1			

PROGRAM 08 - 20MM CLOSE IN WEAPON SYSTEM (CIWS)

ELEMENT .01 MATERIAL CONDITION

	YES	NO	N/A
A. IS THERE AN OUTLINE FOR PORTABLE MATTING AND IS PORTABLE MATTING AVAILABLE AT THE MOUNT? (NOT APPLICABLE TO MOUNTS INSTALLED IN MAINTENANCE ENCLOSURE OR LOW-PROFILE CONFIGURATION)	---	---	---
REF: (e), para 634-3.12.2.2			
B. ARE LEGIBLE AND CORRECT INSTRUCTION PLATES AND OPERATING INSTRUCTIONS POSTED FOR THE SPRINKLER SYSTEM AND DUPLEX STRAINER AT THE OPERATING STATIONS?	---	---	---
REF: (a), para 3-21			
C. IS AMMUNITION HANDLING EQUIPMENT INSTALLED TO SUPPORT THE CIWS SYSTEM USABLE (E.G. SKIP BOX RAIL GUIDES/SLACK CABLE LOCKING DEVICE)?	---	---	---
REF: (a), paras 2-72 and 2-83			
D. ARE KNURLED ROLLERS AND/OR RAILS ON SKIP CAR RAILS FREE OF PAINT?	---	---	---
REF: COMNAVSEASYSKOM 301211Z Apr 85			
E. ARE ALARM CIRCUITS AND WARNING BELLS INSTALLED AND OPERATIVE?	---	---	---
REF: NAVSEA OP 4154, Vol. 2, Table 3-20			
F. ARE FLEXIBLE RUBBER HOSES FOR HEAT EXCHANGER PROPERLY INSTALLED?	---	---	---
REF: NAVSEA OP 4154, Vol. 2			

ELEMENT .02 PROCEDURES

A. IS NSWC DAHLGREN CERTIFICATION AVAILABLE FOR THE FIRING CUTOUT ZONES AND PERSONNEL RADIATION HAZARD CUTOUT ZONES?	---	---	---
REF: NAVSEAINST 9700.1			
B. IS A STANDARD SAFETY SHORTING PROBE (5920-01-029-4176) AVAILABLE AT EACH MOUNT? (PART OF COMMON SUPPORT EQUIPMENT)	---	---	---
REF: NAVSEA OP 4154, Vol 2, page vii			

PROGRAM 09 - HELICOPTER FACILITIES

ELEMENT .01 PROCEDURES

	YES	NO	N/A
A. DOES SHIP HAVE A HELO CERTIFICATION BILL?	---	---	---
REF: NAEC-ENG-7576			
B. IS IT CURRENT?	---	---	---

REF: NAEC-ENG-7576

PROGRAM 10 - SUBMARINES

ELEMENT .01 ADMINISTRATION

- | | | | | |
|----|---|----|----|----|
| A. | HAVE PERSONNEL RESPONSIBLE FOR LOCKER FLOODING SYSTEM MAINTENANCE RECEIVED TRAINING? | == | == | == |
| | ARE THEY CERTIFIED? | == | == | == |
| | REF: (a), para 2-61; (b), Encl (5), para 2B(5) | | | |
| B. | ARE ORDNANCE SAFETY PUBLICATIONS AND INSTRUCTIONS ON BOARD AND UP TO DATE? | == | == | == |
| | REF: (a), Append B; (k), Chap 1 | | | |
| C. | DOES THE SHIP HAVE AN ORDNANCE QUALIFICATION AND CERTIFICATION PROGRAM IN EFFECT FOR PERSONNEL ENGAGED IN ORDNANCE HANDLING? | == | == | == |
| | REF: (k), Art 9003 and 9004 | | | |
| D. | IS A CURRENT INVENTORY OF ALL SENSITIVE ORDNANCE MAINTAINED? | == | == | == |
| | REF: (k), Art 1109, 1204, and 4203.12 | | | |
| E. | IS THE WEAPONS DEPARTMENT WORK LOG UP TO DATE WITH CORRECT ENTRIES AND BEING REVIEWED MONTHLY BY WEAPONS OFFICER? | == | == | == |
| | REF: (k), Art 1209 | | | |
| F. | ARE LOGS FOR FLOOD SYSTEM TESTS, MAGAZINE INSPECTION AND TEMPERATURES, DAILY OTTO FUEL DETECTOR READINGS, WEAPONS INVENTORY, SECURITY CHECKS MAINTAINED AND UP TO DATE? | == | == | == |
| | REF: (a), para 7-5A | | | |

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	YES	NO	N/A
G. ARE MAGAZINE TEMPERATURES RECORDED DAILY? REF: (k), Art 1202	_____	_____	_____
<u>ELEMENT .02 STOWAGE LOCKERS</u>			
A. ARE ONLY AUTHORIZED MATERIALS STOWED IN SPACES DESIGNATED AS AMMUNITION, PYROTECHNICS, OR COUNTERMEASURE LOCKERS? REF: (a), para 2-67.3; (f), Sec 612	_____	_____	_____
B. ARE ITEMS STOWED TOGETHER COMPATIBLE ACCORDING TO APPLICABLE DIRECTIVES? REF: (a), para 3-32	_____	_____	_____
C. ARE ALL CONTAINERS OF AMMUNITION CLOSED AND STOWAGE ARRANGEMENT SUCH THAT IT RESTRICTS THE MOVEMENT OF THE CONTAINERS AS MUCH AS PRACTICAL (WITH EXCEPTION OF SECURITY FORCE AMMUNITION)? REF: (a), paras 3-57 and 3-115	_____	_____	_____
D. IS THE AMMUNITION ON BOARD IN A SERVICEABLE CONDITION? REF: (a), para 4-1	_____	_____	_____
E. ARE LOCKERS MARKED AS TO EXACT TYPE AMMUNITION STOWED? REF: (a), para 3-8	_____	_____	_____
F. IS DUMMY DRILL AMMUNITION THAT IS STOWED WITH SERVICE TYPE PROPERLY COLOR CODED AND TAGGED "FOR PRACTICE ONLY"? REF: (a), para 3-61	_____	_____	_____
G. IS AMMUNITION PROPERLY TIED DOWN AND SECURED FOR SEA? REF: (a), paras 3-42, 3-115, and 3-117	_____	_____	_____
H. ARE ALL WEAPONS SPACES CLEAN AND PROPERLY STOWED? REF: (l), para C1404; COMSUBPACINST 8513.1, Table A	_____	_____	_____

	YES	NO	N/A
I. ARE PYROTECHNICS AND AMMUNITION LOCKERS PROVIDED WITH A CALIBRATED BIMETALLIC THERMOMETER? REF: (a), paras 3-28, 3-115 & 3-117; (e), para 504-7.19 & .28; NAVSEA OD 45845	_____	_____	_____
J. ARE THERMOMETERS PROPERLY MOUNTED? REF: (a), para 3-28, 3-115, AND 3-117	_____	_____	_____
K. ARE PYROTECHNICS AND AMMUNITION LOCKERS PROTECTED BY FLOODING SYSTEMS? REF: (a), paras 3-115 and 3-117	_____	_____	_____
L. ARE NECESSARY TOOLS ABOARD TO PROPERLY TEST FLOODING SYSTEMS? REF: PMS	_____	_____	_____
M. ARE FLOODING CONTROL VALVES PROPERLY SECURED? (<u>NOTE</u> : LOCK WITH PADLOCK WITH <u>GLASS</u> COVER ACCESS.) REF: (a), para 3-21B	_____	_____	_____
N. ARE FLOODING INSTRUCTIONS POSTED NEAR FLOODING STATION? REF: (a), para 3-21D	_____	_____	_____
O. ARE ALL SYSTEM COMPONENTS OR JOINTS FREE FROM EVIDENCE OF LEAKAGE? REF: MRC CARD 28-30 TEN-MI	_____	_____	_____
P. IS A DAILY INSPECTION CONDUCTED ON LOCKERS? REF: (a), paras 4-5 and 4-10	_____	_____	_____
Q. ARE PYROTECHNICS AND AMMUNITION LOCKERS INSULATED ON THE INSIDE TO PREVENT INTERIOR CONDENSATION? REF: (a), paras 3-115 and 3-117	_____	_____	_____
R. HAS EACH PYROTECHNIC ITEM IN INVENTORY ON BOARD BEEN IDENTIFIED WITH A PIECE OF YELLOW/BLACK/RED/GREEN TAPE ON THE BASE OF EACH FLARE OR SMOKE? REF: (k), Art 5002	_____	_____	_____

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- | | YES | NO | N/A |
|--|-------|-------|-------|
| S. DO ALL PYROTECHNIC ITEMS HAVE SAFETY DEVICES AND ARE THEY IN A "SAFE" CONDITION? | _____ | _____ | _____ |
| REF: (a), para 2-108; (h), paras 7-1.2.2 AND 7-1.5.3 | | | |
| T. ARE YELLOW AND RED TAGGED COTTER PINS INSTALLED IN SIGNAL EJECTOR LAUNCHED MARINE SMOKE AND ILLUMINATION SIGNALS? | _____ | _____ | _____ |
| REF: (h), para 7-3 | | | |

ELEMENT .03 SIGNAL EJECTORS

- | | | | |
|---|-------|-------|-------|
| A. IF ONLY ONE COUNTERMEASURE LOCKER IS PROVIDED, IS IT LOCATED IN THE SAME COMPARTMENT AS AFTER SIGNAL EJECTOR? | _____ | _____ | _____ |
| REF: (a), para 3-117 | | | |
| B. WHERE INADVERTENT FLOODING MAY OCCUR, ARE COUNTERMEASURE DEVICES PROPERLY STOWED IN A LOCKER WITH A SPLASH/SPRAY PROOF DOOR AND A 1-1/2 INCH INSIDE DIAMETER VENT PIPE INSTALLED ON TOP? | _____ | _____ | _____ |
| REF: (a), para 3-118 | | | |
| C. ARE ACOUSTIC COUNTERMEASURE DEVICES STORED IN LOCKERS WITH PLASTIC COVERS IN PLACE? | _____ | _____ | _____ |
| REF: (h), para 7-6 | | | |
| D. IS A DRY CHEMICAL EXTINGUISHING AGENT AVAILABLE IN THE IMMEDIATE VICINITY OF COUNTERMEASURE (NAE) LOCKER FOR USE IN CASE OF FIRE? | _____ | _____ | _____ |
| REF: (h), Chap 7; (k), Art 6002 | | | |

ELEMENT .04 TORPEDO ROOM

- | | | | |
|--|-------|-------|-------|
| A. ARE THERE TWO FUEL VAPOR DETECTOR "MK 15" FOR OTTO FUEL II ON BOARD AND CALIBRATED? (ONE SEMI-PERMANENTLY MOUNTED IN TORPEDO ROOM AND THE OTHER STORED IN AN ADJACENT COMPARTMENT.) | _____ | _____ | _____ |
| REF: (j), para 6-28; (k), Art 3109; NAVSEA 0900-LP-068-8010, Chap 4 | | | |
| B. IS SELF CONTAINED OR SUPPLIED AIR BREATHING APPARATUS AVAILABLE IN THE VICINITY OF OTTO FUEL OPERATIONS? | _____ | _____ | _____ |
| REF: (j), para 4-19; NAVSEA OP 4330, Table 1 | YES | NO | N/A |
| C. ARE HYDROGEN CYANIDE (HCN) DETECTORS PROVIDED FOR MK-48 FACILITIES? | _____ | _____ | _____ |
| REF: (j), para 7-22; NAVSEA 0900-LP-068-8010, Chap 4 | | | |

ELEMENT .05 HANDLING EQUIPMENT

- | | | | |
|---|-------|-------|-------|
| A. HAS AMMUNITION HANDLING EQUIPMENT (INCLUDES PADEYES) | _____ | _____ | _____ |
|---|-------|-------|-------|

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BEEN WEIGHT-TESTED IN ACCORDANCE WITH CURRENT DIR?

REF: (a), para 2-75.3; (e), paras 700-2.2.16 & 700-5.10.3 & Table 700-1

B. ARE RACK STOWED WEAPONS PROPERLY SECURED IN PLACE WITH LASHING STRAPS?

REF: (k), Art 9008.3d

C. ARE WEAPONS LASHING STRAPS COATED WITH TRANSPARENT PLASTIC COATING?

REF: (k), Art 6105.2d

D. IS EQUIPMENT DATE-STAMPED OR TAGGED AS TO TESTS MADE?

REF: (a), para 2-81; (e), para 700-4.6.6

E. ARE ALL SAFETY DEVICES ON EQUIPMENT OPERATIVE?

REF: (a), para 2-82

F. ARE HOOKS USED TO LIFT AMMUNITION OR WEAPONS PROVIDED WITH SAFETY LATCHES OR MOUSED?

REF: (a), para 2-76; (e), para 700-4.3.15; (k), Art 9008.2a

G. ARE HOIST HOOKS UNPAINTED SO AS NOT TO INTERFERE WITH VISUAL INSPECTION FOR CRACKS AND OTHER DEFECTS?

REF: (a), para 2-76; (e), para 700-3.4.6

ELEMENT .06 WARNING/ADVISORY SIGNS

A. ARE PROPER SAFETY PRECAUTIONS IN GOOD ORDER AND POSTED AT REQUIRED LOCATION?

REF: (k), Arts 4108, 5003, 6002, 7001, and 9006

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	YES	NO	N/A
B. ARE "AMMUNITION FAR SIDE" SIGNS POSTED?	---	---	---
REF: (a), paras 3-40 and 3-40A; (e), para 700-5.7.1 and Fig 700-18			
C. ARE WARNING SIGNS POSTED ON TORPEDO TUBE BREECH DOORS STATING "TUBE EMPTY", "WARNING WARSHOT LOADED", OR "WARNING EXERCISE LOADED"?	---	---	---
REF: (a), para 3-49; (k), Art 8004			
D. ARE SAFETY PRECAUTIONS & OPERATING INSTRUCTIONS POSTED FOR SIGNAL EJECTOR?	---	---	---
REF: (a), para 2-29D; (k), Art 7001			
E. ARE WARNING SIGNS POSTED NEAR COUNTERMEASURE DEVICE (NAE) LOCKER TO CAUTION AGAINST THE USE OF CARBON DIOXIDE OR WATER IN CASE OF FIRE?	---	---	---
REF: (h), paras 7-5.1.7 and 7-6.1.8; (k), Art 6002			
F. IS OD44979, MK 48 EMERGENCY PROCEDURES, CONSPICUOUSLY LOCATED IN THE TORPEDO ROOM AND IN AN APPROPRIATE EXTERNAL LOCATION?	---	---	---
REF: NAVSHIP 0900-LP-068-8010, Chap 4			

PROGRAM 11 - INDUSTRIAL SAFETY (AS IT PERTAINS TO EXPLOSIVES SAFETY)

ELEMENT .01 EMERGENCY EYE WASH STATION/SHOWERS

A. ARE EMERGENCY EYE WASH BATHS/DELUGE SHOWERS PROVIDED AT BATTERY CHARGING AREAS/BATTERY SHOPS?	---	---	---
REF: (a), para 2-26			

ELEMENT .02 PERSONNEL SAFETY DEVICES

A. ARE SAFETY NETS INSTALLED IN TRUNK LEADING TO MAGAZINES THAT EXTEND THROUGH THREE OR MORE DECKS?	---	---	---
REF: (a), para 2-67.3			
B. ARE LIFE LINES INSTALLED AROUND OPEN HATCHES LEADING TO AMMO TRUNKS?	---	---	---
REF: (f), Secs 612B and C			

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	YES	NO	N/A
C. DO ORDNANCE HANDLING PERSONNEL USE STEEL TOED SAFETY SHOES? REF: (a), para B1203b	---	---	---
<u>ELEMENT .03 EMERGENCY MEDICAL CARE/MEDICINES</u>			
A. IS A 5% BICARBONATE SOLUTION AVAILABLE IN CASE OF WP BURNS? ARE MEDICAL PERSONNEL KNOWLEDGEABLE OF PROPER TREATMENT OF WP BURNS? REF: (a), para 3-84B; NAVMED P-5054	---	---	---
<u>ELEMENT .04 DANGER CIRCLES AROUND ROTATING EQUIPMENT</u>			
A. ARE DANGER CIRCLES PROPERLY PAINTED AROUND ROTATING MACHINERY (MOUNTS/LAUNCHERS)? REF: (a), para 2-84; (f), Sec 436B	---	---	---
<u>ELEMENT .05 OTHER</u>			
A. DO PERSONNEL UNDERSTAND THE HAZARDS INVOLVED IN HANDLING OTTO FUEL II? REF: (j), Append B.1; NAVSEA 0900-LP-068-8010, para 1-4	---	---	---
B. ARE COMPLETE OTTO FUEL SPILL KITS AVAILABLE IN THE TORPEDO ROOM AND AN APPROPRIATE SECONDARY LOCATION? REF: (j) para 5-18.4; (k), Art 3108	---	---	---
C. IS AN OTTO FUEL II VAPOR DETECTOR "MK 15" ON BOARD AND AVAILABLE FOR USE WHERE APPLICABLE? REF: (k), Art 310; NAVSEA 0900-LP-068-8010, Chap 4	---	---	---
D. IS THE DETECTOR CALIBRATED? REF: PMS-MRC J048-030/A4-A-1R; NAVSEA OP 4330, Chap 7	---	---	---
E. ARE HYDROGEN CYANIDE (HCN) DETECTORS PROVIDED FOR MK 48 FACILITIES? (MUST BE AVAILABLE TO THE TORPEDOMEN) REF: NAVSEA 0990-LP-068-8010, para 3-4.8.2.4-4	---	---	---
F. ARE CARBON DIOXIDE FIRE EXTINGUISHERS PROVIDED IN, OR WITHIN 15 FEET OF, SPACES CONTAINING ELECTRICAL MOTORS? REF: (a), para 2-24A	---	---	---
G. IS RUBBER MATTING INSTALLED ADJACENT TO ELECTRICAL/ELECTRONIC EQUIPMENT AND SWITCHBOARDS IN ORDNANCE SPACES? REF: (e), para 634-3.81	---	---	---
H. ARE GROUND STRAPS INSTALLED ON ALL SHOCK-MOUNTED ELECTRICAL EQUIPMENT IN ALL ORDNANCE HANDLING SPACES?	---	---	---

REF: (a), para 2-33

I. ARE MAGAZINES SEPARATED FROM FLAMMABLE LIQUIDS
STOREROOMS BY AT LEAST ONE COMPARTMENT?

REF: (a), para 2-28a

J. IS SELF-CONTAINED OR SUPPLIED AIR BREATHING
APPARATUS AVAILABLE IN THE VICINITY OF OTTO FUEL
OPERATIONS?

REF: (j), para 4-19; NAVSEA OP 4330, Table 1

”
..

SAMPLE CHANGE LETTER

From: Commanding Officer USS _____
To: Commander, Naval Surface Warfare Center, Indian Head
Division, Technical Center for Explosives Safety
(Code 044)

Subj: RECOMMENDED CHANGE(S) TO SHIPBOARD EXPLOSIVES SAFETY
PROGRAM EVALUATION GUIDE

Ref: (a) NAVSEAINST 8023.12

1. Per reference (a), recommend the following change(s):

Program No.	Element No.	Recommended change (s) and Reason(s)
-------------	-------------	--

2. Originator (Name) Rank/Rate or Grade and Title

3. Supervisor (Name) Rank/Rate or Grade and Title

4. Ship and Hull No./Activity and Address

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Enclosure (2)