

COMOMAG INSTRUCTION 5450.1

Subj: MOBILE MINE ASSEMBLY GROUP (MOMAG) MISSION AND FUNCTIONS

Ref: (a) OPNAVINST 3370.3C  
(b) OPNAVINST C3501.102B  
(c) COMINWARCOMINST 5450.2J  
(d) OPNAVINST C3501.2J  
(e) COMOMAG/MOMAGINST 8550.4J

Encl: (1) Mission and Functions assigned to MOMAG  
(2) MOMAG Projected Operational Environment (POE)  
(3) MOMAG Required Operational Capabilities (ROC) Defined

1. Purpose. To delineate the mission, tasks, functions and command relationships of the Mobile Mine Assembly Group (MOMAG), and subordinate Mobile Mine Assembly Units (MOMAU) and Mobile Mine Assembly Detachments (MOMAD). This instruction consolidates the operating procedures and employment of MOMAG in support of Commander in Chief, U.S. Atlantic Fleet (CINCLANTFLT), Commander in Chief, U.S. Pacific Fleet (CINCPACFLT), Commander in Chief, U.S. Naval Forces Europe (CINCUSNAVEUR), and Commander, Mine Warfare Command (COMINWARCOM).

2. Status and Command Relationships. In order for Commanding Officer, Mobile Mine Assembly Group (COMOMAG) to execute the mine warfare policies and requirements directed by references (a) through (e), and act as the technical advisor for mines and mining to CINCLANTFLT, CINCPACFLT, CINCUSNAVEUR, COMUSNAVCENT and COMINWARCOM, the following MOMAG organization and command relationships are set forth:

a. MOMAG is composed of COMOMAG as the parent activity, nine geographically separated MOMAUs, one MOMAD, and 11 supporting Naval Reserve Mobile Mine Assembly Units (NRMOMAU). Per references (a) and (c) and as delineated in enclosure (2), COMOMAG staff is under the Operational Control (OPCON) and Administrative Control (ADCON) of COMINWARCOM.

b. MOMAUs and MOMAD are under the ADCON of COMOMAG. MOMAU/MOMAD overseas are under the OPCON of CINCPACFLT and CINCUSNAVEUR as denoted in enclosure (2) of reference (c). COMOMAG has OPCON of CONUS MOMAU/MOMAD. MOMAUs are under the immediate command of a Commanding Officer (CO), and MOMAD is under the immediate control of an Officer-in-Charge.

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c. Specific command relationships for the continuously manned MOMAUs are delineated in enclosure (3) of reference (c).

### 3. Supported Activities

a. COMINEWARCOM.

b. Commanders exercising control of CINCLANTFLT, CINCPACFLT, and CINCUSNAVEUR Pre-positioned War Reserve Material Stock (PWRMS) of service mines (currently COMSIXTHFLT/COMSEVENTHFLT).

c. Commanders requesting services.

d. Naval Systems Commands.

e. Naval Surface Warfare Center, Coastal Systems Station.

f. Naval Ammunition Logistics Command (NAVAMMLOGCOM).

g. Other activities as directed by COMINEWARCOM.

### 4. MOMAG Mission

a. As delineated in reference (b), maintain the material readiness and overall mine readiness of CINCLANTFLT, CINCPACFLT and CINCUSNAVEUR for PWRMS service mines in peacetime.

b. During a wartime footing or national emergency provide a reservoir of trained personnel (as defined in enclosure (2)) capable of rapid deployment for mine assembly or final mine preparation (afloat or ashore) and performing setting changes of PWRMS service mines in support of mining operations as directed.

c. Maintain the material readiness of CINCLANTFLT, CINCPACFLT and CINCUSNAVEUR mine warfare exercise and training (ET) assets, and provide support services for final mine preparation and recovery.

d. Assist fleet units in preparation of message requests for ET support.

e. Provide quarterly input to COMOMAG on usage/loss quantity of ET mines.

f. Future missions will include intermediate level maintenance on MCM Mission Packages (MP) MP-1/MP-2/MP-3 and organizational level maintenance for the Improved Submarine Launched Mobile Mine (ISLMM) and any other future service mine systems as they reach fleet introduction.

5. Tasks. MOMAG shall comply with tasks as directed by enclosure (1) and other such tasks as may be assigned by CINCLANTFLT, CINCPACFLT, CINCUSNAVEUR, COMNAVCENTCOM, COMINSEARCOM, and COMOMAG. Any recommended modification or change to the mission and functions of MOMAG will be forwarded to COMOMAG.

R. E. SWART

Distribution: (COMINSEARCOMINST 5216.2B)  
List A1, A2

SNDL Part 1

21A	Fleet Commanders in Chief
22A	Fleet Commanders
23A	Naval Force Commanders
23B	Special Force Commanders
24A	Air Force Commander
24D	Surface Force Commanders
24G	Submarine Force Commanders
24H	Fleet Training Commanders
25A1	Mine Countermeasures Squadron
26A	Amphibious Group
26GG	Explosive Ordnance Disposal Unit and Group
26SS	Mobile Mine Assembly Group
28A	Carrier Group
28C	Surface Group and Force Representative
28K	Submarine Group and Squadron
29B	Aircraft Carrier(CV) (CVN)
42A	Fleet Air Command Functional Wing Commander
42J	Carrier Air Wing (CVW)
42K	Attack Squadron (VA)
42N	Sea Control Squadron (VS)
42P	Patrol Wing and Squadron (VP) (VPU)
42W	Helicopter Mine Countermeasures Squadron (HM)
42FF	Strike Fighter Weapons School
42GG	Strike Fighter Squadron (VFA)

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50A Unified Commands  
51A Supreme NATO Commands  
51D1 Eastern Atlantic Commands  
51D2 Western Atlantic Commands

SNDL Part 2

List A3 Chief of Naval Operations (N411, N852, N872, N881)  
2130 FKP4A Coastal Systems Station Dahlgren Division (Code 60)  
3128 FB34 Fleet Activities  
3155 FT51 Mine Warfare Training Center  
4060 FB31 Magazine  
4280 FKP1F Mine Warfare Engineering Activity  
4300 FKP1H Ordnance Center, Divisions, and Stations  
5765 FKA1G PEO MINEWAR (PMS407)  
5864 FKM13 Ships Parts Control Center  
6190 FKA1F Supply Systems Command  
6214 FKP4E Surface Warfare Center and Divisions  
6350 FT1 Chief of Naval Education and Training  
6520 FKP1E Under Sea Warfare Center and Division

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DET 1, USAFWS, 1470 Luke St, Elsworth AFB, SD 57706-4805

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**MISSION AND FUNCTIONS ASSIGNED TO  
MOBILE MINE ASSEMBLY GROUP (MOMAG)**

1. General. COMOMAG is responsible to COMINEXWARCOM for mine development programs and mine stockpile readiness, supporting mine maritime mining by the operating forces of the Navy in accordance with approved policies, directives and plans. Additionally, COMOMAG is assigned the primary mission of maintaining the material readiness of the U.S. Navy Underwater Mine Exercise and Training (ET) stocks.

2. Action. MOMAG activities will ensure that the following tasks, assigned by competent authority, are performed:

a. Test and Inspection Program

(1) Maintain current underwater mine systems to the required standards of readiness. To ensure the highest state of readiness is maintained, a test and inspection program shall encompass the existing Mine Readiness Certification Inspection (MRCI), and any additional programs, as necessary in order to fulfill mine readiness objectives.

(2) Coordinate with CNO, CINCLANTFLT, CINCPACFLT, CINCUSNAVEUR, COMUSNAVCENT, CHNAVPERS, CNET, COMINEXWARCOM, Program Managers, NAVORDCEN and TYCOM to correct deficiencies for mine and mine delivery systems identified through the test and inspection program.

(3) Evaluate the results of the testing and inspection program to determine recurrent readiness shortfalls. Determine whether any shortfalls are due to resource deficiencies or deficiencies in doctrine. Address these problems and recommend solutions up the chain of command.

(4) Support the requirements of reference (c) for the In-water Reliability Evaluation (IRE) program by assisting in the determination of reliability and readiness of the mines stockpile.

b. Readiness

(1) When directed by competent authority, prepare and assemble the U.S. Navy PWRMS underwater mine stockpile.

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(2) On an annual basis (no earlier than 15 December and no later than 30 December) MOMAUs One, Three, Five, Eight, Ten, Eleven, Twelve, and Fourteen will advise COMOMAG via naval message on mission capabilities with regard to the following data elements:

(a) Service Mine assembly production rates. Build rate quantity per hour for MK 62, 63, 65, and 67 (MOMAU Eight only) systems. Build rate should be reflected for both augmented and unaugmented capabilities.

(b) Assigned Mine Assembly Team(s) (MAT) status and their assembly rates and capabilities.

(c) Assessment of MHE/AWSE/CESE availability and condition, including the impact of this equipment on the war fighting capability.

(d) Matters concerning personnel and operational readiness of NRMOMAU's.

(3) Deploy required MATs, as defined in enclosure (2), as directed by COMOMAG or competent operational authority.

(a) MATs shall be prepared for deployment within 48 hours after receipt of the deployment order in support of surface, air, or submarine mining operations.

(b) When deployed as a unit, the augmenting unit Commanding Officer and personnel shall integrate into to the augmented command organization. The augmented unit Commanding Officer shall establish combined command organization structure and retain overall command control until redeployment of augmenting MATS or Units or as directed by COMOMAG.

(c) Upon notification to deploy as an unit, the augmenting unit Commanding Officer shall designate one individual to remain behind as a unit liaison assigned to COMOMAG. This individual shall remain at the deploying unit headquarters during normal working hours and on call after-hours until properly relieved. This individual shall be referred to COMOMAG staff for assistance with all mission related inquiries or issues that cannot be resolved or answered.

(d) Upon completion of duties assigned and when so ordered, the augmenting CO shall assume command control of his or her unit and the augmenting unit shall re-deploy home.

(e) If surface launch requirements occur, MATs shall deploy in support of national or allied surface platforms as directed.

(4) Maintain readiness and capability to perform assigned Naval Warfare Mission Areas (defined in enclosure (3)) in support of the Required Operational Capabilities listed in reference (b).

(5) Advise COMOMAG on matters pertaining to the Mineman (MN) rating and other manning issues as necessary.

(6) Monitor, advise and assess augmenting NRMOMAU's in all areas necessary to maintain MIW mission readiness. When mobilized, NRMOMAU's Commanding Officers do not report to augmented MOMAU with their NR unit. NRMOMAU COs shall contact their mobilization command authority for assignment as appropriate.

(7) Review personnel manning levels, skill levels, skill definition and distribution and submit changes as required. Commanding Officers of augmenting units are encouraged to coordinate/liaison with Commanding Officers of the gaining unit to ensure that augmenting personnel are trained and qualified/certified in weapon systems to be supported. To ensure rapid deployment, all personnel should have all administrative (wills, power-of-attorney, etc) and medical (inoculations) requirements kept current.

c. Exercise and Training

(1) Provide ET mines, per reference (d), for fleet and mine laying exercises, MRCIs, and mine countermeasures training.

(2) Act as advisor to the fleet activities on technical matters relative to service and ET mines, components and associated materials and/or equipment.

(3) Provide ET mine laying and recovery personnel for the MRCI and In-water Reliability Evaluation program, countermeasures refresher training, fleet exercises and training evolutions,

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weapons and evaluation testing, as well as oceanographic research and development for a variety of warfare applications, such as SHAREM and MIREM.

(4) Maintain prescribed allowance of ET mines and adequate stocks of mine test equipment, tools and associated material publications required to support deploying teams.

d. Logistics

(1) Maintain inventory control of prepositioned service mine stocks, mine support and test equipment in the designated condition of readiness and operational configuration.

(2) Provide mine and mine component Fleet Unit Issue Loads (FIUL) as directed, to afloat units in support of fleet battle group deployments.

(3) Advise COMOMAG in the inventory management of fleet mine stocks, including distribution and maintenance, mine site readiness and implementing such actions as may be necessary to ensure fleet mine stocks are maintained in a serviceable, Ready For Issue (RFI) status consistent with fleet plans. Applicable MOMAUs shall ensure that the number of all-up-round assembled mines shall be included in their SORTS reports and location (i.e. on site or forward deployed) of these AURs. This shall also pertain to those AURs assembled by direction from AOR OPCON in support of regional operations.

(4) Keep COMOMAG advised on the status of current mine inventory as requirements change.

(5) Maintain allowances of special mine instrumentation equipment.

(6) Provide input for improvement of logistic support practices.

e. Maintenance. Develop cyclic maintenance schedules for assigned Navy PWRMS mine stocks and conduct required maintenance in accordance with reference (e).

f. Publications. Review and recommend revisions to mine maintenance and assembly publications.

g. Represent COMINWARCOM

(1) When directed, represent COMINWARCOM/COMOMAG in matters concerning mining at fleet, and type commander, intraservice and international conferences.

(2) When directed, represent COMINWARCOM/COMOMAG at conferences and meetings on mine systems, delivery, and training and readiness matters.

(3) Provide services to activities of Joint Chiefs of Staff (JCS) Chief of Naval Operations (CNO) Program Management Office, Mine Warfare (PMO MINEWAR), Commander, Naval Sea Systems Command (COMNAVSEASYS COM), Commander, Naval Air Systems Command (COMNAVAIRSYS COM), and Commander, Operational Test and Evaluation Force (COMOPTEVFOR) as required.

(4) Monitor personnel and material readiness to ensure capability to support the tasks delineated in general war plans.

(5) Recommend operational readiness standards in Mine Warfare areas and assist in the monitoring and attainment of those standards.

(6) Maintain the capability to assemble and perform final preparation of all mines and bomb/mine conversion kits stocked by the individual MOMAU in support of mining operations as required.

h. Technical training and assistance

(1) Provide technical assistance for mining operations as required.

(2) Provide training assistance/services to applicable fleet units as required.

**PROJECTED OPERATIONAL ENVIRONMENT (POE)  
STORAGE TO TARGET DEPLOYMENT SUPPORT OVERVIEW**

<u>MOMAU</u>	<u>MOB</u>	<u>DEP</u>	<u>MAT</u>	<u>NRMOMAU</u>	<u>MINE</u>	<u>PLATFORM</u>
One	AU(U8/U10)	T/U	A(2)		1-4	1-6
Three	AG			3/4/5	4	
Five	AG	T	A(2)	6/7	2-4	1-4,6
Eight	AG	T	B(1)	9/10	1-5	1-3
Ten	AG	T	A(2)	2/11	2-4	1-6
Eleven	AU(U5)	T/U	A(2)/C(1)		2-4	1-4,6
Twelve	AG			1/8	2-4	1-4
Fourteen	AU(U3)	U			2-4	1-4
Fifteen	AU(U5)	U			2-4	1-4

**Keys:**

MOB (mobilization): MOMAU mobilizes to augment (AU) another MOMAU or is augmented (AG) by another MOMAU, NRMOMAU, or team. (Note: MOMAU in parenthesis is the designated augment unit which may change as the situation dictates.)

DEP (deployment): Assigned deployment mission as a complete unit (U), mine assembly team (T), or both (T/U).

MAT (Mine Assembly Team): Teams assigned for deployment and their composition: (Note: Number in parenthesis indicates quantity of subject team.)

A = 5-Person MAT: One team leader, one QA, three assembly personnel.

B = SLMM Setting Change MAT: One team leader, one QA, three assembly personnel.

C = USAF Support MAT: A 15-person team consisting of one team leader (Officer or Master/Senior Chief PO), three QA, eleven assembly/support personnel deployed in support of USAF mining operations.

NRMOMAU: The NROMOMAU(s) assigned to augment that respective service mine MOMAU.

1 = NRMOMAU One Long Beach, CA	5 = NRMOMAU Five, Pittsburg PA	9 = NRMOMAU Nine, Fort Worth, TX
2 = NRMOMAU Two, Memphis TN	6 = NRMOMAU Six, Charleston SC	10 = NRMOMAU Ten, El Paso, TX
3 = NRMOMAU Three, Kearny NJ	7 = NRMOMAU Seven, Greenville SC	11 = NRMOMAU Eleven, Houston, TX
4 = NRMOMAU Four, Albany NY	8 = NRMOMAU Eight, Austin, TX	

MINE: Mine system or systems that the MOMAU (and assigned NRMOMAU) should be trained and certified to support:

1 = MK 56    2 = MK 62    3 = MK 63    4 = MK 65    5 = MK 67

PLATFORM: Air-delivery platform that the assigned MOMAU should be prepared to support as a service mine assembly/preparation site, deploying unit, or deploying team(s).

1 = B1    2 = B2    3 = B52    4 = P3    5 = F-14    6 = F/A-18

## REQUIRED OPERATIONAL MISSION AREAS DEFINED

1. The Commander Mobile Mine Assembly Group's mission is to maintain the material readiness and overall mine readiness of CINCLANTFLT, CINCPACFLT and CINCUSNAVEUR Pre-positioned War Reserve Mine Stock (PWRMS) service mines. Specifically, to provide trained personnel from units capable of rapid deployment for final mine preparation, surface launch and setting changes of PWRMS service mines to support mining operations. Additionally, COMOMAG maintains Mine Warfare Exercise and Training (ET) assets, and provides support services for final mine preparation and recovery of Non-Combatant Expenditure Allocations (NCEA). Accordingly, the following primary and secondary warfare mission areas are assigned as derived from reference (b):

COMMANDER MOBILE MINE ASSEMBLY GROUP					
CCC	FSO	LOG	MIW	MOB	NCO
P	P	P	P	S	P

MOBILE MINE ASSEMBLY UNITS						
UNIT	CCC	FSO	LOG	MIW	MOB	NCO
<b>ONE</b>	P	P	P	P	S	P
<b>THREE</b>	P	P	P	P	S	P
<b>FIVE</b>	P	P	P	P	S	P
<b>EIGHT</b>	P	P	P	P	S	P
<b>TEN</b>	P	P	P	P	S	P
<b>ELEVEN</b>	P	P	P	P	S	P
<b>TWELVE</b>	P	P	P	P	S	P
<b>FOURTEEN</b>	P	P	P	P	S	P
<b>FIFTEEN</b>	P	P	P	P	S	P

2. Guidelines. All U.S. Navy combat, combat support, combat service support, strategic sealift units and combat unit components of the Naval Reserve are designed or organized to perform one or more of the following Naval Warfare Mission Areas. The accomplishment of these mission areas includes all measures in achieving superiority through the use of installed or embarked weapon systems. The following definitions are derived from reference (d) and are amplified (in **bold italics**) as they apply to MOMAU activities.

a. **COMMAND, CONTROL AND COMMUNICATIONS (CCC)** - Providing communications and related facilities for coordination and control of external organizations or forces and control of unit's own facilities.

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(1) CCC 3: Provide own unit's command and control functions.

(a) CCC 3.3: Provide all personnel, services, programs and facilities to safeguard classified material and information.

(b) CCC 3.4: Carry out emergency destruction of classified material and equipment rapidly and efficiently. **For MOMAUs located on foreign soil and MATs when deployed afloat or overseas.**

b. Fleet Support Operations (FSO). Naval forces and designated shore facilities providing supporting services other than logistics replenishment to fleet units.

(1) FSO 46: Monitor assigned units' administrative procedures. **Ensure that assigned MAT personnel have all administrative (i.e. security clearances, SLGI, wills, powers-of-attorney, and inoculations) requirements current at all times.**

(2) FSO 47: Monitor assigned units' operational procedures. **MATs Standard Operating Procedures (SOPs) and assembly publications are adequate.**

(3) FSO 48: Monitor assigned units' material procedures. **Support equipment (i.e. tools, test sets) are sufficient in order to accomplish mission.**

(4) FSO 55: Maintain readiness by providing for training of own units personnel. **Provide proficiency training of site personnel through quarterly mine upgrade evolutions.**

c. Logistics (LOG). The resupply of combatant consumables to combatant forces in the theater of operations.

(1) LOG 4: Support Ships and Aircraft in Supplies, Ordnance and Other Services.

(a) LOG 4.7: Provide inventory control of prepositioned mine stocks. **Plan, direct and coordinate with Fleet Commanders in Chief.**

d. Mine Warfare (MIW). The use of mines for control/denial of the sea or harbor areas, and mine countermeasures to destroy or neutralize enemy mines.

(1) MIW 5: Support/conduct offensive/defensive service and exercise mine-laying operations

(a) MIW 5.1: Support/conduct service and exercise mine-laying operations by surface ships.

(b) MIW 5.2: Support/conduct mine-laying operations by aircraft in a hostile environment. **Provide MATs to support assembly or final prep of mines for loading onto aircraft for delivery in support of mining operations.**

(c) MIW 5.3: Support/conduct mine-laying operations by submarines. **Provide SLMM mine settings change team when required.**

(d) MIW 5.4: Support/conduct mine-laying operations by aircraft in a nonhostile environment. **Provide personnel in support of ET mine exercises.**

(1) MIW 7: Assemble, test, maintain, and issue mines.

(a) MIW 7.1: Issue and provide inventory control of prepositioned mine stock. **Provide AUR assets and MK 130 QUICKSTRIKE Kits (and batteries) to forward deployed locations or afloat as directed.**

(b) MIW 7.2: Maintain stocks of authorized assembly level items and related components. **Subassemblies, assembly level items, and shelf-stowed spares are maintained in quantities required and proper maintenance cycles.**

(c) MIW 7.3: Maintain stocks of test equipment, tools, and maintenance parts for assembly and maintenance all classes of mines. **Maintain allowance stock of RFI test equipment, tools, and support equipment (i.e. bomb table, dollies) repair parts required to perform mission.**

(d) MIW 7.4: Maintain and issue non-service mine stocks and associated instrumentation for support of fleet training. **Assemble and provide ET mines in support of fleet units, test evaluation programs, research/develop programs, and CNO special projects as required.**

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(e) MIW 7.5: Perform field calibration on mine test equipment. **Calibrate/maintain assigned test equipment.**

(f) MIW 7.6: Train Navy Reserve Mobile Mine Assembly Group (NRMOMAU'S). **Ability for assigned NRMOMAU to efficiently integrate into site operations/weapon assembly flow plans.**

(g) MIW 7.7: Assemble and maintain mines.

**1 Ability to assemble lower configured mines to all-up-round (AUR) configuration when directed.**

**2 Properly maintain lower configured mines in maintenance cycles in preparation to assemble to AUR configuration when directed.**

(h) MIW 7.8: Maintain inventory of mines in designated readiness condition for fleet support. **Applies to mines in AUR configuration prepared for repaid deployment as directed by higher authority.**

(2) MIW 13: Repair own Unit's MIW Equipment. **Maintain ability to repair/refurbish assigned mine support equipment (i.e. bomb tables/dollies).**

e. Mobility (MOB). The ability of naval forces to move and to maintain themselves in all situations over, under, or upon the surface.

(1) MOB 3: Prevent and control damage.

(a) MOB 3.3: Maintain security against unfriendly acts.

(2) MOB 8: Operate from a Ship.

(a) MOB 8.1: Operate from an aircraft carrier. **Plan, direct, coordinate and train MAT deployment in support of CV mining operations.**

(b) MOB 8.6: Operate from merchant ships and indigenous craft.

(3) MOB 11: Maintain Mount-out Capabilities.

(a) MOB 11.2: Mount-out selected elements/detachments. **Plan, direct, and coordinate in unit or MAT deployment.**

(b) MOB 11.3: Maintain capability for rapid airlift of unit/detachment as directed. **Train and maintain proficiency in unit or MAT deployment.**

f. Noncombat Operations (NCO): Selected operations of a non-combat nature not clearly categorized in any other warfare mission area. Included in this category are the necessary support requirements and/or special missions that are required of a unit but not directly related to the other Warfare Mission Areas.

(1) NCO 2: Provide administrative and supply support for own unit.

(a) NCO 2.1: Provide supply support services. **General supply and material services as provided by assigned storekeeper only.**

(b) NCO 2.2: Provide clerical services. **General administrative support as provided by assigned yeoman only.**

(c) NCO 2.7: Provide inventory and custodial services.

(d) NCO 2.9: Provide personnel for area command security. **Provide personnel as required under a Memorandum of Agreement (MOA) or Inter Service Support Agreement (ISSA) with host activity.**

(2) NCO 3: Provide upkeep and maintenance of own unit.

(a) NCO 3.1: Provide organizational level preventive maintenance.

(b) NCO 3.2: Provide organizational level corrective maintenance.

(c) NCO 3.4: Maintain preservation and cleanliness of topside and internal spaces. **Administrative/supply spaces, warehouse facilities, mine production buildings, and magazines.**

(d) NCO 3.5: Provide for proper storage, handling, use and transfer of hazardous materials. **Hazardous materials (paint, grease, cleaning material, etc) used in support of mine assembly/preservation.**