

HQMC
20 Aug 04

E R R A T U M

to MCO 3501.17

MARINE CORPS COMBAT READINESS EVALUATION SYSTEM
(SHORT TITLE: MCCRES); VOLUME XIII, MARINE WING
SUPPORT GROUP UNITS

1. For administrative purposes, the Publications Control Number (PCN) has been reidentified. Change the PCN "10203354500" to read: "10203362300".

PCN 10203362380



DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
WASHINGTON, DC 20380-0001

MCO 3501.17
C 461
8 Feb 1995

MARINE CORPS ORDER 3501.17

From: Commandant of the Marine Corps
To: Distribution List

Subj: MARINE CORPS COMBAT READINESS EVALUATION SYSTEM (SHORT
TITLE: MCCRES); VOLUME XIII, MARINE WING SUPPORT GROUP
UNITS

Ref: (a) MCO 3501.1C

Encl: (1) Volume XIII - Mission Performance Standards (MPS's)
for Marine Wing Support Group Units

1. Purpose. To promulgate Volume XIII of MCCRES for use in the training and evaluation of Marine Wing Support Group units per reference (a).

2. Information. The reference establishes MCCRES for implementation within the Marine Corps. The enclosure, supported by the policies and procedures set forth in the reference, provides the MPS's for use in evaluation of the combat readiness of Marine Wing Support Group units to perform combat operations.

3. Action. Commanders will:

a. Use the MPS's contained in the enclosure as guidelines to establish training goals and training programs and to prepare for formal readiness evaluations as directed by higher headquarters per the reference.

b. When appropriate, use the MPS's for informal evaluations, and/or as an inventory to determine a unit's current training status and areas for future progressive training programs.

c. Make every effort to conduct evaluations when the unit is participating in its appropriate role as part of a Marine Air Ground Task Force (MAGTF). This method will strengthen integration efforts and provide a more complete evaluation of genuine combat readiness.

MCO 3501.17

8 Feb 95

4. Reserve applicability. This Order is applicable to the Marine Corps Reserve.



B. B. KNUTSON JR.

By direction

DISTRIBUTION: PCN 10203362300

Copy to: 7000110 (25)
7000120 (5)
7230004 (25)
8145001 (1)
8145005 (2)

TABLE OF CONTENTS

	<u>PAGE</u>
INTRODUCTION	1
SECTION 13A - <u>COMMAND AND CONTROL</u>	
INTRODUCTION	XIII-A-1
MPS 13A.1	XIII-A-2
MWSG PLANNING	
MPS 13A.2	XIII-A-4
MWSS OPERATIONS	
MPS 13A.3	XIII-A-11
ORGANIC SUPPLY MAINTENANCE	
MPS 13A.4	XIII-A-12
EMBARKATION	
SECTION 13B - <u>AVIATION GROUND SUPPORT</u>	
INTRODUCTION	XIII-B-1
MPS 13B.1	XIII-8-2
INTERNAL AIRFIELD COMMUNICATIONS	
MPS 13B.2	XIII-B-3
WEATHER SERVICES	
MPS 13B.3	XIII-B-5
EXPEDITIONARY AIRFIELD SERVICES	
MPS 13B.4	XIII-B-7
AIRCRAFT RESCUE FIREFIGHTING SERVICES	
MPS 13B.5	XIII-B-9
FUEL SERVICES	
MPS 13B.6	XIII-B-12
EXPLOSIVE ORDNANCE DISPOSAL SERVICES	
MPS 138.7	XIII-B-13
ENGINEER SERVICES	
MPS 13B.8	XIII-B-25
MOTOR TRANSPORT ION SERVICES	
MPS 138.9	XIII-B-35
MESSING SERVICES	
MPS 13B.10	XIII-B-36
MEDICAL SERVICES	
MPS 13B.11	XIII-B-43
SECURITY SUPPORT	
SECTION 13C - <u>STANDARDS APPLICABLE TO ALL EVALUATIONS</u>	
INTRODUCTION	XIII-C-1
MPS 13C.1	XIII-C-2
CONTINUING ACTIONS BY MARINES	
MPS 13C.2	XIII-C-10
NBC OPERATIONS	

INTRODUCTION:

1. The tasks and standards contained within this Volume are designed to facilitate the evaluation of those planning, preparation, and execution tasks which the MWSG/MWSS may be required to perform in a combat environment. The tasks and standards were derived from Marine Corps doctrine, tactics, techniques and procedures, other service methodologies, and field recommendations from the Fleet Marine Force. Aviation Ground Support (AGS) planners and personnel should become thoroughly familiar with FMFM 1, FMFM 1-1, FMFM 4, and FMFM 5-1.
2. It is recommended that commanders use MCCRES Mission Performance Standards (MPS's) to establish training objectives, and take every opportunity to informally evaluate their units against these standards. The system provides the commander with a tool to help assess and evaluate the combat readiness and training of his/her unit, to identify strengths and weaknesses, and to assign priorities for future training requirements. The standards apply to the MWSG/MWSS in support of the ACE, and evaluations must be conducted in the context of meeting ACE requirements to determine whether or not these requirements were recognized, planned for, and provided. Employment of the standards by smaller AGS element's will be useful but need to be tailored.
3. MCCRES tasks for the MWSG/MWSS presuppose that resources are adequate to achieve minimum acceptable standards. It is acknowledged, however, that sufficient personnel and equipment are not always available. The standards are written so that those sections applicable to a particular operation or training exercise can be selected for evaluation. Naturally, the evaluation is limited if the unit's participation in and exercise does not allow them to attempt all the standards. Special exercises are not required to satisfy MCCRES evaluation requirements, but rather commanders may use any type of exercise to meet them. Results should be used as an aid in the formulation of the unit's future training programs. When other external factors contribute to limiting the unit's combat evaluation, it should be noted in the "comment" column of the evaluation sheet and recorded in the overall report.

ENCLOSURE (1)

SECTION 13A
COMMAND AND CONTROL

ENCLOSURE (1)

TABLE OF CONTENTS

	<u>PAGE</u>
INTRODUCTION	XIII-A-1
 <u>MPS 13A.1 - MWSG PLANNING</u>	
TASK 13A.1.1	XIII-A-2
PLAN AVIATION GROUND SUPPORT (AGS)	
TASK 13A.1.2	XIII-A-3
PLAN INTELLIGENCE	
 <u>MPS 13A.2 - MWSS OPERATIONS</u>	
TASK 13A.2.1	XIII-A-4
PLAN AVIATION GROUND SUPPORT (AGS)	
TASK 13A.2.2	XIII-A-5
OPERATE COMBAT OPERATIONS CENTER (COC)	
TASK 13A.2.3	XIII-A-5
PLAN FOB DEFENSE	
TASK 13A.2.4	XIII-A-7
CONDUCT AIRFIELD DEFENSE OPERATION CENTER OPERATIONS (ADOC)	
TASK 13A.2.5	XIII-A-8
PLAN RAPID RUNWAY REPAIR (RRR) OPERATIONS	
TASK 13A.2.6	XIII-A-9
CONDUCT RAPID RUNWAY REPAIR OPERATIONS	
TASK 13A.2.7	XIII-A-11
OPERATE UNIT MOVEMENT CONTROL CENTER (UMCC)	
 <u>MPS 13A.3 - ORGANIC SUPPLY/MAINTENANCE</u>	
TASK 13A.3.1	XIII-A-11
MAINTAIN ORGANIC EQUIPMENT	
TASK 13A.3.2	XIII-A-12
CONDUCT ORGANIC SUPPLY SUPPORT	
 <u>MPS 13A.4 - EMBARKATION</u>	
TASK 13A.4.1	XIII-A-12
PLAN FOR EMBARKATION	
TASK 13A.4.2	XIII-A-14
CONDUCT EMBARKATION OPERATIONS	

ENCLOSURE (1)

INTRODUCTION:

This section contains four critical MPS's for the command and control of a MWSG and MWSS in providing aviation ground support (AGS) to components of a Marine Air Ground Task Force Aviation Combat Element. The MPS's in this section are:

13.1 MWSG PLANNING.

13.2 MWSS OPERATIONS.

13.3 ORGANIC SUPPLY and MAINTENANCE

13.4 EMBARKATION.

The tasks and standards contained in these MPS's were designed to cause MWSG and MWSS headquarters personnel to consider all aspects of AGS; i.e., the planning, preparation, and conduct of all functional areas of aviation ground support, and to ensure that integration and coordination of AGS plans and operations fully support overall MAGTF requirements.

The tactical scenario may be such that not all tasks are planned to be, or can be, evaluated during the exercise. The evaluator merely notes "not evaluated" on his evaluation sheet. Commanders should evaluate these areas during subsequent training opportunities.

ENCLOSURE (1)

XIII-A-1

13A.1 MWSG PLANNING

TASK: 13A.1.1 PLAN AVIATION GROUND SUPPORT (AGS)

CONDITION(S): The MWSG has received a warning order directing it to prepare plans for the deployment of more than one MWSS in support of combat operations. Hostile forces have direct and indirect fire weapons, fixed and rotary-wing aircraft, armor, EW capability, and other assets normally possessed by a modern foreign power. The ACE and MWSG have begun aviation ground support planning.

STANDARDS: EVAL: Y; N; NE

1. ____ Analyzes the mission and available information to identify inherent ACE and aviation ground support requirements.
2. ____ Reviews the ACE G/S-2 intelligence estimate to gather all available intelligence on the enemy and information on the area.
3. ____ Establishes logistics coordination with ACE planners.
4. ____ Develops, in coordination with the ACE planners, a final AGS estimate of supportability comparing AGS related factors influencing each proposed ACE tactical course of action.
5. ____ Utilizes existing plans, SOP's, and lessons learned to develop a concept of logistics/aviation ground support. (KI)
6. ____ Develops consumption factors in coordination with the ACE planners.
7. ____ Computes detailed logistic requirements for each phase of the operation, based on types of support and quantities of supplies required.
8. ____ Recommends a priority of support by type and unit as required by the ACE commander.
9. ____ Identifies resource deficiencies in coordination with ACE planners and other service agencies, for host nation support agreements or interservice sources of AGS. (KI)
10. ____ Ensures planning includes identification of locations for reception, offload, clearance, and storage of supplies and equipment; and access to routes for distribution and evacuation in the theater of operations.
11. ____ Coordinates the planned use of Forward Operating Base (FOB) areas and facilities with ACE planners.
12. ____ Identifies AGS shortfalls, problems, and limitations for consideration by the ACE commander.
13. ____ Develops logistical plans to sustain required level of AGS operations.
14. ____ Coordinates with ACE planners and the MAGTF movement control center during the development of the MAGTF transportation plan.
15. ____ Reviews MWSG embarkation data to ensure combat loading has been achieved, as necessary.

EVALUATOR INSTRUCTIONS: The estimates can be either written or verbal, depending on the situation, and time available.

KEY INDICATORS:

CONCEPT OF LOGISTIC-AVIATION GROUND SUPPORT

The AGS Concept of Logistic/Aviation Ground Support includes:

1. Mission of the MWSG.
2. Tactical concept of operations by phase.

ENCLOSURE (1)

3. AGS requirements for each phase and location of the operation.

OUTSIDE SOURCES OF AGS

Particular concerns include facilities, supplies, and services.

TASK: 13A.1.2 PLAN INTELLIGENCE

CONDITION(S): The MWSG has received a warning order directing it to prepare plans for the deployment of more than one MWSS in support of combat operations. Hostile forces have direct and indirect fire weapons, fixed and rotary-wing aircraft, armor, EW capability, and other assets normally possessed by a modern foreign power. The MWSG have begun aviation ground support planning.

STANDARDS: EVAL: Y; N; NE

1. ____ Prepares a preliminary intelligence estimate upon receipt of the warning order.
2. ____ Conducts liaison with ACE G/S-2 to prepare a detailed intelligence estimate upon receipt of the commander's guidance.
3. ____ Makes early distribution of the intelligence estimate to allow other staff officers to prepare their estimates.
4. ____ Considers all organic collection assets available to the MAGTF to support the collection effort when requesting intelligence support.
5. ____ Determines, based on the assigned mission and guidance from the commander, AGS intelligence requirements, basic requirements, essential elements of information (EEL's), and other intelligence requirements (OIR's) of the MWSG.
6. ____ Submits a prioritized list of intelligence requirements to the ACE G/S-2.
7. ____ Coordinates with the ACE G/S-2 during development of the ACE collection plan to provides for the continuous collection of information throughout all phases of the operation1 and reflects the status of the collection effort.
8. ____ Prepares an intelligence annex to the MWSG operations order that defines the manner in which intelligence operations will be conducted.
9. ____ Records intelligence information on a collection worksheet to monitor, study, and compare.
10. ____ Coordinates MWSG requirements for maps, charts, photographs, and other graphic intelligence aids.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

ENCLOSURE (1)

13A.2 MUSS OPERATIONS

TASK: 13A.2.1 PLAN AVIATION GROUND SUPPORT (AGS)

CONDITION(S): The MWSS has received a warning order directing it to prepare plans for deployment in support of combat operations. Hostile forces have direct and indirect fire weapons, fixed end rotary-wing aircraft, armor, EW capability, and other assets normally possessed by a modern foreign power. The MWSS has begun aviation ground support planning.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Analyzes the mission and available information to identify AGS requirements.
- .2 ____ Review past operations, exercises and after action reports to eliminate shortcomings and reduce redundancy.
- .3 ____ Reviews the ACE G/S-2 intelligence estimate to gather all available intelligence on the enemy and information on the operating area.
- .4 ____ Establishes and maintains coordination with MWSG/ACE planners involved with planning AGS operations.
- .5 ____ Coordinates with the MWSG/ACE to identify AGS requirements and develops a task organization to support those requirements.
- .6 ____ Performs a site survey and/or evaluates intelligence reports to identify ACE requirements which can be supported on location.
- .7 ____ Plans for establishment of a primary and alternate MWSS COC.
- .8 ____ Develops support priorities based on guidance provided by the MWSG/ACE commanders.
- .9 ____ Submits requirements for external support to ACE G-4.
- .10 ____ Coordinates the planned use of FOB areas and facilities with ACE planners.
- .11 ____ Recommends the priority of phasing for AGS units.
- .12 ____ Determines health services requirements as a function of AGS.
- .13 ____ Identifies and informs the ACE commander of all AGS requirements which exceed the organic capabilities of the MWSS.
- .14 ____ Establishes liaison with CSSE.
- .15 ____ Drafts and publishes the MWSS Operations Order.

EVALUATOR INSTRUCTIONS: The estimates can be either written or verbal, depending on the situation, and time available. Formal tasking of organic elements should be contained in the MWSS operation order.

KEY INDICATORS: None

Next Task. 6A.1.2

TASK: 13A.2.2 OPERATE COMBAT OPERATIONS CENTER (COC)

CONDITION(S): The MAGTF is conducting tactical operations against a hostile foreign power. The hostile forces have direct and indirect fire weapons, fixed and rotary-wing aircraft, armor, EW capability, and other assets normally possessed by a modern foreign power. The MWSS has begun providing aviation ground support to the ACE.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Establishes and operates COC in accordance with an SOP.
- .2 ____ Staffs the COC.
- .3 ____ Establishes COC at each FOB.
- .4 ____ Monitors AGS operations on a 24 hour basis.
- .5 ____ Demonstrates the ability to handle AGS functions, both routine and emergency, in a timely and responsive manner.
- .6 ____ Tracks requests from all supported components of the ACE, ensuring proper action.
- .7 ____ Coordinates with ACE planners and documents AGS requirements within the FOB.
- .8 ____ Prioritizes requirements with ACE planners for critical supplies, services, and equipment.
- .9 ____ Validates, on a daily basis, planned support requests.
- .10 ____ Maintains current asset status information.
- .11 ____ Requests maintenance support teams (MST), as required.
- .12 ____ Schedules and coordinates the movement of supplies, personnel, and equipment.
- .13 ____ Reviews, revises, and updates AGS plans to support future operations.
- .14 ____ Maintains updated situation map of friendly/enemy/civilian dispositions in the AOR.
- .15 ____ Maps objects in area of responsibility requiring special protection, including demilitarized zones, enemy POW's and places of worship.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 13A.2.3 PLAN FOB DEFENSE

CONDITION(S): The MAGTF is ashore and is conducting security assistance/military presence operations. There exists a potential threat from aircraft, airborne assault, armor, unconventional warfare, and terrorist attacks. The civilian population, while largely pro U.S., has been sympathetic to some of the enemy propaganda. The ACE has established itself around an FOB. The MWSS commander has been assigned the responsibility for planning and executing FOB defense. The MWSS has begun FOB defense planning.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Identifies units and elements aboard the FOB.
- .2 ____ Determines the numbers of personnel, equipment and supplies involved.
- .3 ____ Requests updates on friendly and enemy situation intelligence.

ENCLOSURE (1)

8 Feb 95

- .4 ____ Requests information on the status and location of the civilian population in the vicinity of the FOB.
- .5 ____ Arranges for a reconnaissance of the area, situation permitting
- .6 ____ Reviews MAGTF rules of engagement to ensure familiarity and to gauge their effects on FOB defense.
- .7 ____ Plans communications for defensive operations; emphasizing wire and messenger methods of communication and plans for placement of remote antennas.
- .8 ____ Identifies the types and numbers of organic weapons available, and incorporates them into a defensive concept of employment.
- .9 ____ Verifies the location of all units and facilities within the FOB and identifies defensive requirements.
- .10 ____ Conducts a terrain analysis based on KOCOA when identifying defensive requirements.
- .11 ____ Plans for establishment and location of Airfield Defense Operation Center (ADOC) location aboard the FOB.
- .12 ____ Appoints a Tactical Security Officer (TSO).
- .13 ____ Ensures active and passive defense measures including dispersal, camouflage and concealment, hardened positions, and barriers are integrated into the FOB defense plan.
- .14 ____ Considers the use of deceptive measures such as duty positions, concealed cargo, and disinformation.
- .15 ____ Ensures planned positions are mutually supporting, if possible, and have planned for adequate fire support.
- .16 ____ Plans local security measures which provide for early warning of enemy activity; i.e., listening posts, observation posts, and security patrols supported by indirect fire (if available).
- .17 ____ Integrates FOB defense with the Rear Area Operations Center (RAOC).
- .18 ____ Requests anti-armor, artillery/indirect fire weapons, and air defense assets/support from the RAOC, as required, to cover avenues of approach that remain uncovered.
- .19 ____ Maintains a dedicated tenant unit security reaction force, and procedures to train, alert, and employ them, to include use of supporting arms.
- .20 ____ Submits a list of targets to appropriate fire support coordination agencies.
- .21 ____ Plans for the maximum use of available surveillance and remote sensor systems in defense of the FOB.
- .22 ____ Ensures Ops SOP adequately covers defensive planning and control procedures.
- .23 ____ Develops contingency plans to react to emergencies involving the security of isolated units or key facilities/installations aboard the FOB.
- .24 ____ Ensures preplanned fires cover avenues of approach and dead spaces not covered by crew served weapons.
- .25 ____ Ensures FOB defense plan with overlays is forwarded via the ACE to the RAOC.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

8 Feb 95

TASK: 13A.2.4 CONDUCT AIRFIELD DEFENSE OPERATION CENTER OPERATIONS (ADOC)

CONDITION(S): The MAGTF is ashore and is conducting security assistance/military presence operations. There exists a threat from aircraft, airborne assault, armor, unconventional warfare, and terrorist attacks. The civilian population, while largely pro U.S., has been sympathetic to some of the enemy propaganda. Components of the ACE will establish ashore. The MWSS commander has been delegated the authority for the planning and execution of FOB defense. The MWSS has begun ADOC operations in support of FOB defense.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Establishes site security (Listening posts, observation posts, and patrols).
- .2 ____ Ensures proper placement of crew served weapons. (KI)
- .3 ____ Establishes local security based on the anticipated threat; i.e., listening/observation posts, security and ambush patrols to prevent surprise attack and infiltration.
- .4 ____ Considers active and passive OPSEC measures to counter the threat.
- .5 ____ Designates unit defensive positions that allow for mutual support in defense of the FOB, emphasizing coordinated surveillance, exchange of information, coordinated fires, and final protective fires.
- .6 ____ Selects and prepares primary and supplementary defensive positions.
- .7 ____ Plans defense in-depth through the use of supplementary positions and alternate positions for crew served weapons, and preplanned fires into threatened areas.
- .8 ____ Employs a series of natural and man made obstacles to restrict, delay, block, or stop the movement of enemy forces.
- .9 ____ Maintains dispersion and employs use of camouflage of elements and individuals to avoid presenting the enemy with an easy targeting opportunity.
- .10 ____ Makes maximum use of available surveillance and tactical remote sensor devices to detect enemy movement.
- .11 ____ Ensures signals are utilized to alert units within the FOB of an increase in the enemy threat condition.
- .12 ____ Conducts day and night rehearsals of the reaction force.
- .13 ____ Ensures wire communications are established where and when possible.
- .14 ____ Disseminates the most current security information acquired by FOB security elements throughout the FOB and, as required, to higher headquarters.
- .15 ____ Prepares all required reports and records for employment of mines and demolitions (when authorized) in defense of the FOB.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:PLACEMENT OF CREW SERVED WEAPONS

Placement of crew served weapons should take all of the following into account:

1. Assigned sector of fire and FPL.
2. Covered and concealed position.
3. Cover most likely dismounted enemy avenue of approach.

8 Feb 95

4. When possible, positioned to fire FPL.
5. Allows maximum use of flanking, interlocking, and grazing fire and minimum dead space.
6. Alternate and supplementary positions and routes selected, prepared, and rehearsed during day and night.
7. Lateral movement (traverse) limiter stakes employed to reduce the possibilities of friendly casualties.
8. Proper range card prepared for each crew served weapon that includes position, PDF or FPL, sector, limits, magnetic azimuth of weapon and 6 digit coordinates of areas of grazing fires, dead space, and specific targets. Data recorded must include a list of specific targets and descriptions, target number and direction in mils will be prepared in duplicate giving gun number unit description, and date.

TASK: 13A.2.5 PLAN RAPID RUNWAY REPAIR (RRR) OPERATIONS

CONDITION(S): In the designated theater of operations, hostile forces are known to possess the capabilities to disrupt airfield operations through the use of hostile aircraft, missiles, or sabotage. Based upon this threat, the MWSS must develop and organize plans for Rapid Runway Repair (RRR) at the FOB.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Performs vulnerability analysis on airfield to be repaired.
- .2 ____ Acquires intelligence on enemy capabilities, posture, and current activity from S/G-2.
- .3 ____ Determines friendly engineer capabilities (joint/combined military and civilian).
- .4 ____ Determines characteristics of expected damage based on identified/known enemy capabilities.
- .5 ____ Establishes likely damage categories and characterizes each.
- .6 ____ Quantifies expected damage and develop an estimate of the material, equipment, and personnel required for repairs.
- .7 ____ Determines methods of repair for each category of damage.
- .8 ____ Task organizes for multiple crater repair. (KI)
- .9 ____ Determines training requirements for repair and bomb damage assessment teams.
- .10 ____ Determines special considerations for operating in an NBC environment.
- .11 ____ Determines minimum operating strips (MOS) for specific aircraft likely to be launched/recovered at airfield based upon such factors as weather, tactical posture, etc.
- .12 ____ Coordinates with the ACE commander and planners to discuss/determine essential characteristics and mission requirements of aircraft expected to use the airfield.
- .13 ____ Determines procedures for locating, identifying, and clearing unexploded ordnance following an airfield attack.
- .14 ____ Hardens construction equipment for use in runway repair(s).
- .15 ____ Coordinates communication assets. (KI)
- .16 ____ Establishes unit RRR SOP.

EVALUATOR INSTRUCTIONS: None

KEY INDICATORS:

CONCEPT OF MULTIPLE CRATER REPAIR TASK ORGANIZATION

The multiple crater task organization teams are task organized and should include at a minimum, the following:

1. Damage Repair Control Team
2. Damage Assessment Team
3. Crater Repair Team
4. Spall Repair Team
5. Debris Clearing Team

COMMUNICATION REQUIREMENTS

During RRR radio is the principle means of communication to control the repair work. Communications of damage reports (i.e. estimated crater types/sizes) should be accomplished by utilizing established brevity codes. During RRR operations, typical communication nets include:

1. Air Base Emergency Net
 2. Airfield Repair Control Net
 3. Damage Repair Team Net
-

TASK: 13A.2.6 CONDUCT RAPID RUNWAY REPAIR OPERATIONS

CONDITION(S): The ACE FOB has suffered runway damage from enemy fire. The MWSS has been tasked with conducting Rapid Runway Repair to create Minimum Operating Strip(s) for the supported aircraft.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Ensures that repair organization personnel are properly equipped and possess all needed materials.
- .2 ____ Establishes the Disaster Control Center/alternate COC.
- .3 ____ Activates the Damage Repair Control Team.
- .4 ____ Establishes communications with damage control teams and ACE headquarters.
- .5 ____ Alerts supporting organizations.
- .6 ____ Conducts damage survey utilizing the damage assessment teams.
- .7 ____ Estimates crater types/sizes and other damage and reports to the Damage Control Center for relay to ACE headquarters.
- .8 ____ Plots reported damage on a large scale grid map. (KI)
- .9 ____ Prepares an estimate of removal times for unexploded ordnance.
- .10 ____ Prepares an estimate of repair time required to reestablish FOB to Minimum Operating Strip level specified by ACE headquarters.

ENCLOSURE (1)

- .11 ____ Determine minimum operating strip size and location utilizing previously drawn MOS templates and plotted damage.
- .12 ____ Establish repair priorities in conjunction with ACE headquarters. Coordinate unexploded ordnance removal with repair actions.
- .13 ____ Clears preselected access routes from material stockpiles to repair areas. (KI)
- .14 ____ Assembles materials simultaneously with crater repair as per the crater repair task organization.
- .15 ____ Remove unexploded ordnance (UXO).
- .16 ____ Clears debris.
- .17 ____ Repairs spalls and craters simultaneously per the unit RRR SOP.
- .18 ____ Monitors and controls repair work from the Disaster Control Center by means of on-site contact and radio communication.
- .19 ____ Establishes radio communications by linking various repair element control nets.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

PLOTTING REPORTED DAMAGE

Reports of damage from damage assessment teams should be plotted on a large scale map at the Damage Control Center/COC. The three types of damage normally plotted on these maps are UXO, spalls and craters.

REPAIR MATERIALS

The crater repair materials utilized for RRR will differ from case to case depending on the materials available (organic, Joint service, host nation). Possible materials include:

1. Crushed Rock
2. Sand and Plastic Sand Grids
3. Fiberglass-Reinforced Plastic Panels (FRP)
4. Magnesium Phosphate Cement
5. Cold-Mix Asphalt
6. Fiberglass Mats
7. AM-2 Mats

ENCLOSURE (1)

XIII-A-10

8 Feb 95

TASK: 13A.2.7 OPERATE UNIT MOVEMENT CONTROL CENTER (UMCC)

CONDITION(S): The MWSS has established a tasked organized Unit Movement Control Center (UMCC) to plan, coordinate, manage and execute movements. The unit uses MAGTF II LOG AIS Systems.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Reports transportation and MHE shortfalls/excesses to the ACE UMCC.
- .2 ____ Writes movement control plan.
- .3 ____ Requests transportation and MHE support required for marshalling and staging from the ACE UMCC.
- .4 ____ Executes movement control plan.

EVALUATOR INSTRUCTIONS: Production and efficient use of MDSS II and TCAIMS reports is expected.

KEY INDICATORS: None.

13A.3 ORGANIC SUPPLY-MAINTENANCETASK: 13A.3.1 MAINTAIN ORGANIC EQUIPMENT

CONDITION(S): An organic maintenance capability exists at the MWSS for T/E equipment.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Ensures the location of the unit's field maintenance facilities and personnel will support the unit's employment.
- .2 ____ Ensures all maintenance facilities provide the complete capability to support the operation in the unit mission statement.
- .3 ____ Ensures capability to repair all authorized organic equipment.
- .4 ____ Establishes liaisons for supply support and equipment evacuation, as appropriate.
- .5 ____ Identifies to the supporting maintenance unit any nonorganic repair or calibration services required to support MWSS equipment.
- .6 ____ Calculates preexpended bin items and quantities based upon rates of consumption, and expected resupply rates to support operational requirements.
- .7 ____ Ensures adequate critical low density parts are available within deployment supply block.
- .8 ____ Identifies required special test and support equipment.
- .9 ____ Ensures current status of equipment is readily available.
- .10 ____ Ensures maintenance personnel correct all equipment deficiencies within their capabilities per established maintenance procedures.
- .11 ____ Ensures unit maintenance personnel are thoroughly familiar with unit SOP to evacuate equipment to higher echelon maintenance facilities, when required.
- .12 ____ Requests intermediate maintenance contact support, when required.
- .13 ____ Complies with equipment evacuation procedures, as directed.
- .14 ____ Maintains equipment maintenance records and reports at the appropriate level per unit SOP.

EVALUATOR INSTRUCTIONS: Evaluate unit's compliance with authorized echelons of maintenance as established by unit's T/O and Maintenance Management SOP.

Coordinate evaluations of maintenance facilities through the Maintenance Management Officer.

KEY INDICATORS: None.

TASK: 13A.3.2 CONDUCT ORGANIC SUPPLY SUPPORT

CONDITION(S): The MWSS has been deployed in support of operations. Essential to mission accomplishment is the ability to maintain adequate internal stock levels for all classes of supply.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Ensures adequate initial supply support (all classes) to accomplish the mission in accordance with the MAGTF and ACE operation order(s).
- .2 ____ Follows established resupply procedures/priorities in accordance with the MAGTF and ACE operation order(s).
- .3 ____ Follows established procedures for obtaining additional spare parts and depot items of required equipment in accordance with the MAGTF and ACE operation order(s).
- .4 ____ Monitors supply status.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

13A.4 EMBARKATION

TASK: 13A.4.1 PLAN FOR EMBARKATION

CONDITION(S): The ACE has received a warning order alerting it to prepare for the conduct of combat operations. It will deploy via strategic shipping and airlift. The ACE has subsequently alerted its subordinate units to plan and prepare for embarkation. The MWSS has a working MOSS II data base and has begun embarkation planning. Staff estimates have been submitted, a concept of ops decided upon and a notional task organization has been received.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Requires MDSS II update from subordinate units.
- .2 ____ Prepares lift requirements.
- .3 ____ Prepares detailed ship loading plans manually or via CAEMS, as directed.
- .4 ____ Prepares detailed aircraft loading plans manually or via CALMS, as directed.
- .5 ____ Develops sealift embarkation plan.
- .6 ____ Develops air movement plan.
- .7 ____ Prepares organic supplies and equipment for embarkation via sealift and airlift. (KI)

ENCLOSURE (1)

8 Feb 95

- .8 ____ Forwards to P3 section-and/or prepares hazardous material for transportation in accordance with applicable modal regulations.
- .9 ____ Inspects supplies and equipment prepared for embarkation.
- .10 ____ Requests MHE support in the assembly area and POE's.
- .11 ____ Requests ground transportation support from the assembly area to the POE's.
- .12 ____ Requests communications, contact maintenance, traffic control, security, messing, utilities, or other services, as required, to conduct embarkation operations.
- .13 ____ Prepares embarkation training plans.
- .14 ____ Prepares accurate and complete embarkation manifests for organic cargo and equipment.
- .15 ____ Prepares accurate and complete embarkation manifests for personnel.

EVALUATOR INSTRUCTIONS: The above standards are general guidelines. The conduct of planning and preparing for embarkation should comply with local SOP's and directives.

KEY INDICATORS:

PREPARATION OF SUPPLIES AND EQUIPMENT FOR EMBARKATION

1. Preparation of Supplies.
 - a. Maintain uniformity in crate, box, and other container pallet sizes.
 - b. Pallet/lift configuration should also lend itself to over-storage through the use of dunnage, if required.
 - c. Pack different types of supplies separately. Only related items are packed in the same box.
 - d. Pad and strengthen containers containing fragile items.
 - e. Waterproof boxes or crates containing items subject to moisture deterioration.
 - f. Apply corrosion prevention materials or other appropriate preservatives to items requiring such protection.
 - g. Use tactical markings to indicate to whom Class II and IX supplies belong.
 - h. Use content markings to indicate UP&TT line number and the consecutive number assigned the specific box or container.
 - i. Use stowage designation markings.
2. Preparation of Equipment/Vehicles.
 - a. Vehicles and equipment should be prepared without diminishing their combat capability.
 - b. All vehicles and equipment will be properly marked.
 - c. Vehicles will be inspected to ensure the satisfactory condition of all required on-vehicle equipment, spare tools, and lifting equipment.
 - d. Fuel, lubricating, cooling, and ignition systems will be checked and tire pressure will be inflated to the specified loading pressure.
 - e. Remove vehicle bows and stow in cargo bed. Spread canvas covers over cargo.
 - f. Ensure vehicle height reductions are accomplished, as required.

- g. Ensure equipment is properly weighed and the center of balance properly computed for all equipment over 10 feet long. Ensure these actual dimensional characteristics and weights are reflected in the units Tactical Phased Force Deployment System.
- h. Cargo loaded within the vehicle must not exceed the height of the side racks, be properly secured, and the combined weight of the vehicle and the cargo must not exceed the specified weight limit.
- i. Vehicles assigned to an amphibious assault should be equipped with fording equipment, as required.
- j. Vehicle windshields will be crated and lowered, as required.
- k. Fuel tanks will be filled or emptied according to regulations governing embarkation of rolling stock aboard ship and aircraft.
- l. Placards with the words "FUEL IN TANK/FUEL TANK EMPTY" will be positioned in the vehicle right front window IAW MCO P4030.19.

TASK: 13A.4.2 CONDUCT EMBARKATION OPERATIONS

CONDITION(S): The ACE has received a warning order alerting it to prepare for the conduct of combat operations. It will deploy via strategic shipping and airlift. The ACE has subsequently alerted its subordinate units to plan and prepare for embarkation. The MWSS has completed its planning and preparation and is conducting embarkation operations.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Executes embarkation training plans.
- .2 ____ Executes embarkation plans.
- .3 ____ Coordinates MHE/ground transportation requirements.
- .4 ____ Coordinates with appropriate movement control agencies.
- .5 ____ Stage equipment at POE.
- .6 ____ Maintains familiarity and ensures compliance with local laws, regulations, and restrictions that may be imposed.
- .7 ____ Coordinates the release and movement of organic vehicle convoys from the unit area to the POE.

EVALUATOR INSTRUCTIONS: The above standards are general guidelines. The conduct of embarkation should comply with local SOP's and directives from higher headquarters.

KEY INDICATORS: None.

SECTION 13B

AVIATION GROUND SUPPORT

ENCLOSURE (1)

TABLE OF CONTENTS

	<u>PAGE</u>
INTRODUCTION	XIII-B-1
 <u>MPS 13B.1 - INTERNAL AIRFIELD COMMUNICATIONS</u>	
TASK 13B.1.1	XIII-B-2
PLAN COMMUNICATIONS	
TASK 13B.1.2	XIII-B-2
CONDUCT COMMUNICATIONS	
TASK 138.1.3	XIII-8-3
PERFORM UNIT MISSION WITHOUT RADIO COMMUNICATION	
 <u>MPS 138.2 - WEATHER SERVICES</u>	
TASK 138.2.1	XIII-B-3
PLAN METEOROLOGICAL SUPPORT	
TASK 138.2.2	XIII-8-4
PROVIDE METEOROLOGICAL SUPPORT	
TASK 138.2.3	XIII-B-4
MAINTAIN METEOROLOGICAL MOBILE FACILITY (METMF)	
 <u>MPS 138.3 - EXPEDITIONARY AIRFIELD SERVICES</u>	
TASK 138.3.1	XIII-B-5
PLAN EXPEDITIONARY AIRFIELD SUPPORT (EAF)	
TASK 138.3.2	XIII-B-6
ESTABLISH A COMMUNICATION NETWORK	
TASK 138.3.3	XIII-B-6
CONDUCT EAF SERVICES SUPPORT	
 <u>MPS 138.4 - AIRCRAFT RESCUE FIREFIGHTING SERVICES</u>	
TASK 138.4.1	XIII-B-7
PLAN AIRCRAFT RESCUE AND FIREFIGHTING (ARFF) SUPPORT	
TASK 138.4.2	XIII-B-7
CONDUCT ARFF OPERATIONS	
TASK 138.4.3	XIII-B-8
PLAN STRUCTURAL FIREFIGHTING SUPPORT	
TASK 138.4.4	XIII-B-8
CONDUCT STRUCTURAL FIREFIGHTING SUPPORT	
 <u>MPS 138.5 - FUEL SERVICES</u>	
TASK 138.5.1	XIII-B-9
PLAN FOR FUEL SUPPORT AT FOB(S)	
TASK 138.5.2	XIII-B-10
PROVIDE FUEL SUPPORT AT FOB(S)	
TASK 138.5.3	XIII-B-10
PLAN REFUELING OPERATIONS AT A FORWARD ARMING AND REFUELING POINT (FARP)	
TASK 138.5.4	XIII-B-11
CONDUCT REFUELING OPERATIONS AT A FORWARD ARMING AND REFUELING POINT (FARP)	
 <u>MPS 138.6 - EXPLOSIVE ORDNANCE DISPOSAL SERVICES</u>	
TASK 138.6.1	XIII-B-12
PLAN EXPLOSIVE ORDNANCE DISPOSAL (EOD) SUPPORT	
TASK 138.6.2	XIII-B-12
PROVIDE EOD SUPPORT	

	PAGE
<u>MPS 138.7 - ENGINEER SERVICES</u>	
TASK 138.7.1	XIII-B-13
PLAN GENERAL ENGINEERING SUPPORT	
TASK 138.7.2	XIII-B-15
CONDUCT ENGINEER RECONNAISSANCE	
TASK 138.7.3	XIII-B-18
CONSTRUCT VTOL PADS IN CONJUNCTION WITH AIR OPERATIONS	
TASK 138.7.4	XIII-B-19
CONSTRUCT MISSION ESSENTIAL BASE CAMP REQUIREMENTS	
TASK 138.7.5	XIII-B-20
PROVIDE MOBILE ELECTRIC POWER SUPPORT	
TASK 138.7.6	XIII-B-20
ESTABLISH A SHOWER POINT	
TASK 138.7.7	XIII-B-21
ESTABLISH A LAUNDRY POINT	
TASK 138.7.8	XIII-B-22
PROVIDE POTABLE WATER	
TASK 138.7.9	XIII-B-23
CONDUCT LIMITED MINE SWEEP	
TASK 138.7.10	XIII-B-24
INSTALL A HASTY PROTECTIVE MINEFIELD	
<u>MPS 138.8 - MOTOR TRANSPORTION SERVICES</u>	
TASK 138.8.1	XIII-B-25
MOTOR TRANSPORTATION (MT) PLANNING	
TASK 138.8.2	XIII-B-26
CONVOY PLANNING	
TASK 138.8.3	XIII-B-29
CONVOY PREPARATION	
TASK 138.8.4	XIII-B-30
CONDUCT OF THE MARCH	
TASK 138.8.5	XIII-B-32
CONDUCT NIGHT MARCH	
TASK 138.8.6	XIII-B-33
TAKE ACTION TO MINIMIZE EFFECTS OF AMBUSH	
TASK 138.8.7	XIII-B-34
AIR DEFENSE	
TASK 138.8.8	XIII-B-35
ESTABLISH A TACTICAL MOTOR POOL	
<u>MPS 138.9 - MESSING SERVICES</u>	
TASK 138.9.1	XIII-B-35
PLAN MESSING SUPPORT	
TASK 138.9.2	XIII-B-36
PROVIDE MESSING SUPPORT	
<u>MPS 138.10 - MEDICAL SERVICES</u>	
TASK 138.10.1	XIII-B-36
PLAN FOR HEALTH SERVICES	
TASK 138.10.2	XIII-B-38
PROVIDE HEALTH SERVICES	
TASK 138.10.3	XIII-B-39
MEDICAL SUPPLY	
TASK 138.10.4	XIII-B-40
OPERATE A LABORATORY	
TASK 138.10.5	XIII-B-40
PROVIDE X-RAY CAPABILITY	
TASK 138.10.6	XIII-8-41
OPERATE A PHARMACY	
TASK 138.10.7	XIII-8-41
PROVIDE PATIENT STABILIZATION AND TEMPORARY PATIENT CARE	

TASK 138.10.8	XIII-B-42
FIELD PREVENTIVE MEDICINE	
TASK 138.10.9	XIII-B-43
PROVIDE AVIATION MEDICINE SERVICES	

MPS 138.11 - SECURITY SUPPORT

TASK 138.11.1	XIII-B-43
PLAN SECURITY SUPPORT	
TASK 138.11.2	XIII-B-44
PLAN TRAFFIC CONTROL SUPPORT	
BETWEEN FORWARD OPERATING BASES (FOBS)	
TASK 138.11.3	XIII-B-45
PLAN SECURITY SUPPORT FOR FOB	
TASK 138.11.4	XIII-B-46
PLAN LAW AND ORDER OPERATIONS	
TASK 138.11.5	XIII-B-46
CONDUCT TRAFFIC SUPPORT BETWEEN FOBS	
TASK 138.11.6	XIII-B-48
CONDUCT FOB SECURITY OPERATIONS	
TASK 138.11.7	XIII-B-48
CONDUCT LAW AND ORDER OPERATIONS	
TASK 138.11.8	XIII-B-50
CONDUCT ENEMY PRISONER OF WAR	
OPERATIONS	

ENCLOSURE (1)

AVIATION GROUND SUPPORT

INTRODUCTION:

This section contains eleven critical MPS's for the MUSS in providing AGS to elements of an ACE. The MPS's in this section are:

- 13B.1 INTERNAL AIRFIELD COMMUNICATIONS
- 13B.2 WEATHER SERVICES
- 13B.3 EXPEDITIONARY AIRFIELD SERVICES
- 13B.4 AIRCRAFT RESCUE AND FIREFIGHTING SERVICES
- 13B.5 FUEL SERVICES
- 13B.6 EXPLOSIVE ORDNANCE DISPOSAL SERVICES
- 13B.7 ENGINEER SERVICES
- 13B.8 MOTOR TRANSPORTATION SERVICES
- 13B.9 MESSING SERVICES
- 13B.10 MEDICAL SERVICES
- 13B.11 SECURITY SUPPORT

The tasks and standards contained in these MPS's were designed to cause MWSS personnel to consider all aspects of AGS; i.e., the planning, preparation, and conduct of all functional areas of aviation ground support, and to ensure that integration and coordination of AGS plans and operations fully support overall MAGTF requirements.

The tactical scenario may be such that not all tasks are planned to be, or can be, evaluated during the exercise. The evaluator merely notes "not evaluated" on his evaluation sheet. Commanders should evaluate these areas during subsequent training opportunities.

ENCLOSURE (1)

TASK: 138.1.1 PLAN COMMUNICATIONS

CONDITION(S): The MWSS has received a warning order directing it to prepare plans for deployment in support of combat operations. Hostile forces have direct and indirect fire weapons capabilities, fixed and rotary-wing aircraft, armor, EW capability, and other assets normally possessed by a hostile foreign power. The ACE will establish a FOB ashore and the MWSS has been directed to establish a small airfield that requires internal airfield communication support. The MWSS has begun internal airfield communications planning.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Determines organic communications support required for MWSS operations.
- .2 ____ Determines communication support outside capabilities of organic assets.
- .3 ____ Prepares unit communication plan.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 138.1.2 CONDUCT COMMUNICATIONS

CONDITION(S): The ACE has established an FOB ashore and is in the process of conducting operations. The MWSS has begun conducting air ground support operations.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Operates single channel radio (5CR) nets.
- .2 ____ Operates wire system/TASS.
- .3 ____ Operates multichannel radio nets, as applicable.
- .4 ____ Conducts communications security. (KI)

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

COMMUNICATIONS SECURITY

Because of the less mobile nature of MWSS communications and operations centers, and the tactical probability that the enemy forces will try to locate and destroy the airfield potentially through the location of command assets, MWSS, the exercise of net discipline can be critical. The following practices should always be observed if possible.

- 1. Determining that each transmitter and receiver is tuned to the exact assigned frequency.
- 2. Expediting flow of message traffic on the net, especially with regard to brevity, key words, and prioritizing and batching messages.
- 3. Maintaining circuit discipline.
- 4. Comply with BEADWINDOW and GINGERBREAD procedures.

ENCLOSURE (1)

5. Limit transmission to the minimum essential for mission accomplishment.
6. Imposing and lifting radio silence.
7. Transmitting on lowest power necessary to maintain communication.
8. Making maximum use of directional antennas to reduce electromagnetic signature.
9. Using terrain to mask antennas when feasible.

TASK: 138.1.3 PERFORM UNIT MISSION MITMOUT RADIO COMMUNICATION

CONDITION(S): The ACE is conducting operations ashore. The MWSS is performing the mission under emergency communication conditions for a period of 2-4 hours.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Issues mission-type orders that allow units to perform the mission despite the lack of radio communications.
- .2 ____ Continues to perform assigned mission.
- .3 ____ Increases reliance on wire and messengers until nets are restored.
- .4 ____ Experiences no mission performance degradation.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

138.2 WEATHER SERVICES

TASK: 138.2.1 PLAN METEOROLOGICAL SUPPORT

CONDITION(S): The ACE requires meteorological support. Host nation weather services are not available. The MWSS has begun meteorological support planning.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Identifies meteorological support requirements based on assigned mission.
- .2 ____ Determines personnel and equipment required to support the mission.
- .3 ____ Requests communications support (i.e. frequencies, satellite channels).
- .4 ____ Ensures all special requirements are met (i.e. classified materials and equipment, hazardous materials and equipment requirements).
- .5 ____ Establishes liaison with CJTF Joint METOC Officer (JMO).

EVALUATOR INSTRUCTIONS: None.

ENCLOSURE (1)

KEY INDICATORS: None.

TASK: 138.2.2 PROVIDE METEOROLOGICAL SUPPORT

CONDITION(S): The ACE requires meteorological support. Host nation weather services are not available. The MWSS is conducting air ground support operations.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Operates meteorological and communications equipment.
- .2 ___ Transmits and receives encoded teletype data over covered HF radio.
- .3 ___ Conducts pilot to metro communication over covered UHF radio.
- .4 ___ Takes, records, and processes surface weather observations.
- .5 ___ Formulates and disseminates weather forecasts.
- .6 ___ Receives, processes and posts radio facsimile data.
- .7 ___ Receives, processes, And posts teletype data.
- .8 ___ Plots and analyzes surface and upper air weather charts and skew-t, log-p diagrams.
- .9 ___ Disseminates weather information.
- .10 ___ Conducts pilot, squadron, and command weather briefs.
- .11 ___ Provides specialized forecasts tailored to mission requirements utilizing the mobile oceanographic support system (MOSS).
- .12 ___ Receives and interprets real-time satellite pictures.
- .13 ___ Issues weather warnings.
- .14 ___ Locates and tracks storm cells significant to the airfield and aircraft in the vicinity by use of the weather radar (if assets available).
- .15 ___ Obtains upper air data by use of the mini-radiosonde system (MRS).

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 138.2.3 MAINTAIN METEOROLOGICAL MOBILE FACILITY (METMF)

CONDITION(S): The ACE requires meteorological support. Limited host nation weather services are not available. Sustained operations of 6 months duration are expected.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Maintains all METMF equipment.
- .2 ___ Maintains liaison with supporting MALS for calibration of test equipment, supply support (AVCAL/COSAL), and higher echelon maintenance of generators and environmental conditioning units (ECU's).

ENCLOSURE (1)

8 Feb 95

- .3 ____ Maintains corrosion control of the van shells and mobilizers.
- .4 ____ Maintains maintenance records and equipment sub-custody records for all accountable equipment.
- .5 ____ Prepares and disseminates correspondence for casualty reporting of equipment outages.
- .6 ____ Maintains a 30-day consumable supply for sustained operations.
- .7 ____ Maintains a technical publications library for the METMF.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

138.3 EXPEDITIONARY AIRFIELD SERVICES

TASK: 138.3.1 PLAN EXPEDITIONARY AIRFIELD SUPPORT (EAF)

CONDITION(S): The ACE has been assigned to an FOB that requires EAF support to bring its capability up to military standards. The FOB will support a minimum of 10 fixed-wing/rotary-wing (fighter/attack) type aircraft. Aircraft operating from the forward operating base (FOB) will be conducting day/night and all weather operations. The anticipated time of usage is 6 months. The MWSS has begun EAF services support planning.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Acknowledges receipt of the task and receives the commander's guidance.
- .2 ____ Calculates minimum airfield geometric requirements, runway, taxi way, and parking areas required.
- .3 ____ Calculates airfield lighting requirements for runways, taxi ways, and parking areas.
- .4 ____ Conducts coordination with the ACE to ensure airfield design complies with established requirements.
- .5 ____ Calculates the correct number/type of EAF packages required (AM-2 matting, accessory packages, lighting, arresting gear, VLA, etc.).
- .6 ____ Conducts a site survey. Determines best direction to orient runways considering prevailing winds.
- .7 ____ Coordinates required engineer support to perform soil analysis and determine if the weight bearing capability of the soil is sufficient for the aircraft that will operate from the FOB.
- .8 ____ Ensures proper supplies and equipment are available to construct the airfield.
- .9 ____ Coordinates operating crews to operate, checkout and maintain FLOLS, arresting equipment, matting and AF Lighting.
- .10 ____ Obtains approved frequencies to be utilized within the FOB.
- .11 ____ Coordinates engineer support for installation of AM-2 matting and accessories.
- .12 ____ Supervises mat laying.
- .13 ____ Installs airfield lighting equipment including FLOLS.
- .14 ____ Install M-21 arresting gear.
- .15 ____ Marks airfield as required.
- .16 ____ Certifies airfield.

ENCLOSURE (1)

EVALUATOR INSTRUCTIONS: Evaluator must be familiar with all TM's and NATOPS/NAWC certification manuals provided by the unit.

KEY INDICATORS: None.

TASK: 13B.3.2 ESTABLISH A COMMUNICATION NETWORK

CONDITION(S): The ACE has been assigned to an FOB8 that requires EAF support to bring its capability up to military standards. The FOB will support 10 fixed-wing/rotary-wing (fighter/attack) type aircraft. Aircraft operating from the forward operating base (FOB) will be conducting day/night and all weather operations. The anticipated time of usage is 6 months.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Ensures EAF recovery communications package is fully mission capable.
- .2 ____ Coordinates with Airfield Operations and MATCS to establish frequencies to be utilized between ground personnel and Air Traffic Control (ATC).
- .3 ____ Ensures all personnel understand and exercise radio discipline.
- .4 ____ Establishes and publishes call signs for applicable sections.
- .5 ____ Performs operations checks of equipment procedure at the beginning of a shift.
- .6 ____ Establishes a backup communication system.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 13B.3.3 CONDUCT EAF SERVICES SUPPORT

CONDITION(S): The ACE has been assigned to an FOB that requires EAF support to bring its capability up to military standards. The FOB supports 10 fixed-wing/rotary-wing (fighter/attack) type aircraft. Aircraft operating from the forward operating base (FOB) are conducting day/night and all weather operations. The anticipated time of usage is 6 months. The MWSS is conducting aviation ground support operations.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Operates and maintains M-21 arresting gear.
- .2 ____ Operates and maintains airfield lighting to include FLOLS.
- .3 ____ Coordinates instructions for refueling and maintenance of generators that support EAF equipment.
- .4 ____ Maintains airfield matting and accessories.
- .5 ____ Establishes SOP for operation of EAF services.

EVALUATOR INSTRUCTIONS: None.

ENCLOSURE (1)

KEY INDICATORS: None.

138.4 AIRCRAFT RESCUE FIREFIGHTING SERVICES

TASK: 13B.4.1 PLAN AIRCRAFT RESCUE AND FIREFIGHTING (ARFF) SUPPORT

CONDITION(S): The MWSS has been directed to establish ARFF support. The airfield has a single runway of 4,000 feet long and 1,000 feet wide with a single parallel taxi way 50 feet wide. It presently has enough ramp space to support 6 fixed-wing/rotary-wing (fighter/attack) type aircraft and one large transport type aircraft. Plans call to have the runway extended to 8,000 feet and the ramp space expanded to support one fixed-wing/rotary-wing squadron and two large transport type aircraft. Aircraft operating from the FOB will be conducting day/night and all weather operations. The FOB will be able to project two forward air points. The anticipated time of usage is 6 months. The MWSS has begun CFR services support planning.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Identifies mission requirements.
- .2 ___ Identifies equipment and personnel requirements based upon the type of expeditionary FOB and aircraft operations.
- .3 ___ Determines availability of joint/host nation rescue and firefighting support assets.
- .4 ___ Draws or obtains diagram of the FOB to include base camp.
- .5 ___ Plans/coordinates ARFF emergency fire and rescue communications.
- .6 ___ Selects immediate response position (Hot spot), strategically located on the airfield to observe all landings and take-offs.
- .7 ___ Selects standby alert positions (remaining complement of manned major aircraft firefighting and rescue vehicles to meet minimum response requirements).
- .8 ___ Establishes ARFF/structural firefighting duty sections.
- .9 ___ Establishes Fire Inspection/Safety Program and coordinates with personnel designing/constructing Base Camp to ensure compliance with Tent Camp Fire Safety procedures (tent spacing, fire lanes, etc.).

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 13B.4.2 CONDUCT ARFF OPERATIONS

CONDITION(S): The ACE is conducting operations ashore. The MWSS is conducting aviation ground support operations.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Publishes SOP for the conduct of ARFF operations.
- .2 ___ Publish ARFF Fire Bills.
- .3 ___ Puts into service all ARFF equipment.

ENCLOSURE (1)

- .4 ___ Conducts a fire prevention/protection program to include fire extinguisher training to all personnel engaged in duties involving aircraft operations.
- .5 ___ Establishes an Aircraft Emergency alarm intercommunication system direct wire (crash phone).
- .6 ___ Provides immediate Response Crews (Hotspots) to observe all take-offs/landings.
- .7 ___ Responds to any aircraft mishap within the area of CFR responsibility and arrive at the scene within 3 minutes.
- .8 ___ Conducts containment procedures involving composite fibers/hazardous materials.
- .9 ___ Conducts aircraft familiarization for type of aircraft supported.
- .10 ___ Performs maintenance on fire extinguishers.
- .11 ___ Conducts Base fire inspections.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 13B.4.3 PLAN STRUCTURAL FIREFIGHTING SUPPORT

CONDITION(S): The ACE is established ashore at an FOB. FOB camp facilities are being constructed.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Draws or obtains a diagram of the FOB.
- .2 ___ Plans structural fire fighting requirements.
- .3 ___ Develops fire prevention program.
- .4 ___ Identifies joint/host nation firefighting support assets available and plans to integrate the into the ACE firefighting plan.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 13B.4.4 CONDUCT STRUCTURAL FIREFIGHTING SUPPORT

CONDITION(S): The ACE has established operations ashore. The FOB camp facilities have been constructed.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Conducts fire prevention program.
- .2 ___ Publishes structural firefighting bills.
- .3 ___ Conducts fire inspections of the FOB.
- .4 ___ Responds to fires within the FOB.
- .5 ___ Responds to hazardous material intents within the FOB.

ENCLOSURE (1)

- .6 ____ Performs fire extinguisher maintenance in support of the FOB.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

13B.5 FUEL SERVICES

TASK: 13B.5.1 PLAN FOR FUEL SUPPORT AT FOB(S)

CONDITION(S): The ACE has been assigned to an FOB. The MWSS has begun fuel support planning. The airfield has a single runway of 4,000 feet long and 100 feet wide with a single parallel taxiway 50 feet wide. The airfield presently has enough ramp space to support 10 fixed-wing/rotary-wing (fighter/attack) type aircraft and one large transport type aircraft. The runway will be extended to 8,000 feet and the ramp space expanded to support one fixed-wing/rotary-wing squadron and two large transport type aircraft. Aircraft operating from the forward operating base (FOB) will be conducting day/night and all weather operations. The air facility will be able to project two forward air points. The anticipated time of usage is 6 months.

STANDARDS: EVAL: Y; N; NE

Develops fuel estimate in coordination with ACE planners, to support the ACE concept of operations.

- .2 ____ Conducts a site review and develops distribution system layout.
- .3 ____ Locates and arranges integrated usage of joint service/host nation fuel support assets, as available.
- .4 ____ Develops fuel facility security plan in conjunction with overall FOB security plan.
- .5 ____ Develops a petroleum quality surveillance plan.
- .6 ____ Develops a spill contingency plan.
- .7 ____ Coordinates with CFR to develop a fire prevention and response plan to support fuel site.
- .8 ____ Develops internal FOB petroleum accounting control procedures (receipt, storage, and issue).
- .9 ____ Identifies petroleum handling equipment requirements.
- .10 ____ Compares distribution capabilities with the ACE concept of operations.
- .11 ____ Identifies communication requirements.
- .12 ____ Coordinates site preparation requirements for fuel facility (general engineering).
- .13 ____ Coordinates MHE requirements.
- .14 ____ Coordinates with the ACE planners on petroleum related matters.
- .15 ____ Establish aircraft refueling procedures.
- .16 ____ Develops disposal procedures for contaminated petroleum products.

EVALUATOR INSTRUCTIONS: The evaluator should be familiar with all applicable FMFM's, TM's, and NAVAIR's.

ENCLOSURE (1)

TASK: 13B.5.2 PROVIDE FUEL SUPPORT AT FOB(S)

CONDITION(S): The ACE has begun FOB operations. The airfield has a single runway of 4,000 feet long and 1,000 feet wide with a single parallel taxiway 50 feet wide. The airfield presently supports 10 fixed-wing/rotary-wing (fighter/attack) type aircraft and one large transport type aircraft. The runway will be extended to 8,000 feet and the ramp space expanded to support one fixed-wing/rotary-wing squadron and two large transport type aircraft. Aircraft operating from the forward operating base (FOB) are conducting day/night and all weather operations. The air facility is projecting two forward air points. The anticipated time of usage is 6 months. The MWSS is conducting aviation ground support operations.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Begins site preparation.
- .2 ____ Execute/validate site security plan in conjunction with the overall FOB security plan.
- .3 ____ Implements a petroleum quality assurance program.
- .4 ____ Implements a spill plan contingency and countermeasures for Tactical Airfield Fuel Distribution System (TAFDS) as required.
- .5 ____ Implements a fire prevention plan.
- .6 ____ Implements internal FOB petroleum accounting control procedures (receipt, storage, and issue).
- .7 ____ Installs and operates petroleum handling equipment requirements.
- .8 ____ Establishes communication with other FOB locations.
- .9 ____ Maintains close liaison with the ACE operational planners to forecast fuel requirements and ensure timely resupply.
- .10 ____ Provides schematic of organic petroleum distribution system for designated areas of operation.
- .11 ____ Conducts refueling operations.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 13B.5.3 PLAN REFUELING OPERATIONS AT A FORWARD ARMING AND REFUELING POINT (FARP)

CONDITION(S): The ACE is in receipt of a frag order directing it to establish an enroute rearming and refueling point to support ACE aircraft. The ACE, MWSS, and MALS have begun planning FARP operations.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Coordinates with the ACE Commanding Officer.
- .2 ____ Coordinates with the MWSS 5.3 to determine the mission requirements.
- .3 ____ Coordinates with the MWSS 5-3 to determine the quantity and type of aircraft to be supported.
- .4 ____ Coordinates with the MWSS 5.3 to determine the quantity and type of fuel needed.
- .5 ____ Determines the number of refueling points.

ENCLOSURE (1)

- .6 ___ Identifies the amount and type of equipment required.
- .7 ___ Determines the method of transportation for fuel and personnel to the FARP site.
- .8 ___ Identifies the number of personnel required.
- .9 ___ Determines the method to resupply the FARP.
- .10 ___ Determines additional support requirements.
- .11 ___ Plans layout of refueling area.
- .12 ___ Determines and coordinates specific refueling procedures.
- .13 ___ Develops security plan in conjunction with FARP coordinator.

EVALUATOR INSTRUCTIONS: The evaluator should be familiar with all applicable TM's, FM's, NAVAIR's, NATOPS's and other related publications.

KEY INDICATORS: None.

TASK: 13B.5.4 CONDUCT REFUELING OPERATIONS AT A FORWARD ARMING AND REFUELING POINT (FARP)

CONDITION(S): The MWSS has established itself and is operating a FARP in support of ACE operations.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Conducts pack-up, mount out and movement to FARP location.
- .2 ___ Implements local security as planned.
- .3 ___ Installs and operates refueling equipment.
- .4 ___ Conducts fuel sampling and testing as needed.
- .5 ___ Conducts refueling operations as planned.
- .6 ___ Conducts resupply as planned.
- .7 ___ Conducts evacuation and relocation as planned.
- .8 ___ Retrogrades as planned.

EVALUATOR INSTRUCTIONS: The evaluator should be familiar with all applicable TM's, FM's, NAVAIR's, NATOPS's and other related publications.

KEY INDICATORS: None.

ENCLOSURE (1)

13B.6 EXPLOSIVE ORDNANCE DISPOSAL SERVICES

TASK: 13B.6.1 PLAN EXPLOSIVE ORDNANCE DISPOSAL (EOD) SUPPORT

CONDITION(S): The MWSS has received a warning order directing it to prepare for combat operations. Hostile forces have direct and indirect fire weapons capabilities, fixed and rotary-wing aircraft, armor, EW capability, and other assets normally possessed by a hostile foreign power. The ACE and MWSS have begun EOD support planning.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Analyzes the ACE mission and available information to identify EOD requirements.
- .2 ___ Provides input to the ACE EOD estimate of supportability.
- .3 ___ Identifies EOD support requirements based on the assigned mission.
- .4 ___ Determines EOD intelligence requirements and combat information requirements and submits to the ACE G/S-2.
- .5 ___ Submits recommendations on the employment of EOD personnel.
- .6 ___ Plans for an Explosive Ordnance Reconnaissance (EOR).
- .7 ___ Plans for an Explosive Ordnance Disposal operation.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 13B.6.2 PROVIDE EOD SUPPORT

CONDITION(S): The ACE is conducting operations from an FOB. The MWSS has been tasked to remove unexploded ordnance from a runway that has impeded air operations. The supported unit will provide security, as necessary.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Conducts Explosive Ordnance Reconnaissance (EOR).
- .2 ___ Locates, identifies, and renders safe all types of explosive ordnance, either friendly or foreign, conventional, improvised, chemical, or nuclear.
- .3 ___ Categorizes all EOD incidents based on their threat to combat resources/facilities.
- .4 ___ Conducts initial assessment of situation involving unsafe explosive, chemical, nuclear, or biological ordnance.
- .5 ___ Performs immediate action as required in a situation involving nuclear weapons.
- .6 ___ Disposes of unsafe explosive, chemical, nuclear, and biological ordnance.
- .7 ___ Handles and renders safe "hung" ordnance on aircraft when such ordnance has been determined to be unsafe and beyond the capabilities of aviation ordnance personnel.
- .8 ___ Supports recovery/salvage operations.
- .9 ___ Responds to incidents involving unexploded ordnance which require prompt and special action from a safety and/or security point of view.

- .10 ___ Advises CFR personnel and the Officer-in-Charge of an aircraft mishap investigation of existing hazardous explosive threats.
- .11 ___ Clears occupied areas of dud fired, area denial and sub-munitions, as directed by the MAGTF commander.
- .12 ___ Miligates collateral damage by eliminating or reducing the explosive effects of a detonation.
- .13 ___ Assists in safety determinations of damaged munitions.
- .14 ___ Clears impact areas of dud munitions.
- .15 ___ Assists in rapid runway repair (RRR) operations by clearing runways and surrounding areas of dud-fired, delay and area denial munitions.
- .16 ___ Seals leaks, packages and disposes of chemical munitions.
- .17 ___ Provides technical EOD information.
- .18 ___ Identifies and evaluates foreign ordnance debris.
- .19 ___ Responds to incidents involving improvised explosive devices and render safe improvised explosive devices.
- .20 ___ Clear misfired ordnance from weapons organic to the ACE.
- .21 ___ Disassemble and exploit all types of explosive ordnance for technical intelligence purposes.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

13B.7 ENGINEER SERVICES

TASK: 13B.7.1 PLAN GENERAL ENGINEERING SUPPORT

CONDITION(S): The MWSS has received a warning order directing it to prepare plans in support of combat operations. Hostile forces have direct and indirect fire weapons capabilities, fixed and rotary-wing aircraft, armor, EW capability, and other assets normally possessed by a hostile foreign power. The MWSS has begun general engineering support planning.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Provides input to the ACE engineer estimate of supportability.
- .2 ___ Develops engineer plans based on procedures contained in the MWSS SOP. (KI)
- .3 ___ Identifies engineer support requirements based on the assigned mission. (KI)
- .4 ___ Determines engineer intelligence and combat information requirements.
- .5 ___ Requests maps, aerial photographs, and special topographical products on the area of operations.
- .6 ___ Submits recommendations to the ACE planners on the employment of engineers.
- .7 ___ Task organizes organic engineer (personnel and equipment) assets based on the commander's guidance and assigned priorities.
- .8 ___ Issues a warning order to subordinates and begins detailed planning.

- .9 ____ Requests information on the availability of local resources, sources of supply, and procedures to acquire needed materials and equipment.
- .10 ____ Gathers available information on bridges, tunnels, rafts, ferries, and fords in the area of responsibility to determine their classification, and/or coordinates a reconnaissance effort to collect the information.
- .11 ____ Calculates the type and amount of class IV and V supplies required to support engineer efforts.
- .12 ____ Prepares sketches and detailed plans on assigned engineer tasks.
- .13 ____ Coordinates equipment and personnel augmentation requirements.
- .14 ____ Coordinates movement of engineer assets.
- .15 ____ Determines the requirement to prepackage standard loads of class IV materials such as palletizing pickets, barbed wire, and mines necessary to lay a hasty minefield.
- .16 ____ Determines the degree of soil preparation required for development of FOB's.
- .17 ____ Identifies requirements within the ACE's area of responsibility for expedient road surfacing and determines equipment/material requirements.
- .18 ____ Develops a countermobility plan and integrates the plan into the overall FOB defensive plan.
- .19 ____ Prepares sketches, diagrams, and specifications required for the construction of protective shelters, emplacements, etc.
- .20 ____ Identifies mobile electrical power (MEP) requirements.
- .21 ____ Identifies water requirements.
- .22 ____ Identifies hygiene services requirements.
- .23 ____ Plans for maintenance and repair of airfield facilities to include rapid runway repair (RRR).
- .24 ____ Plans for survey support.
- .25 ____ Provides for preparation of outlying areas/bases.
- .26 ____ Plans for construction and maintenance of FOB's.
- .27 ____ Maintains up-to-date data on all engineer assets and facilities.
- .28 ____ Plans for a utilities reconnaissance.
- .29 ____ Develops plans for horizontal and vertical construction as required.
- .30 ____ In coordination with MALS, plan for construction of an Augmentation Issue Point (AIP) for ACE operations
- .31 ____ Develops plans for MHE/HE support within the FOB.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

PLANNING

Some plans which the engineer support section should be concerned with are:

1. Electrical power distribution plan.
2. Water production and distribution plan.

These may be separate appendices included in the body of the operation order.

ENGINEER SUPPORT REQUIREMENTS

Engineer support requirements include:

1. Engineer reconnaissance.
 2. Construction.
 - a. Field fortifications
 - b. Protective structures
 - c. Storage and maintenance facilities
 3. Repair and maintenance of constructed facilities.
 4. Equipment support.
 5. Technical assistance in developing AGS facilities.
 6. Development of routes of communications.
 7. Demolitions and obstacle removal.
 8. Explosive and nonexplosive obstacles.
 9. Utilities.
-

TASK: 13B.7.2 CONDUCT ENGINEER RECONNAISSANCE

CONDITION(S): The MWSS has been tasked to conduct an engineer reconnaissance of specified routes and areas for use as potential FOB's. Times are established for the reconnaissance itself and for report submission.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Acknowledges receipt of the mission and receives commander's guidance.
- .2 ___ Coordinates with S-3 to determine the specifics of the task, desired report format, and any other special instructions.
- .3 ___ Requests available information on the area and any special topographical products or aerial photography available from the S-2.
- .4 ___ Gathers plans, charts, drawings, and blueprints of facilities within the FOB.
- .5 ___ Gathers information on enemy engineer activity from the S-2.
- .6 ___ Coordinates local security and fire support during reconnaissance.
- .7 ___ Uses phase lines, checkpoints and other control measures, as required, to coordinate the reconnaissance effort.
- .8 ___ Task organizes personnel and equipment required to conduct the reconnaissance.
- .9 ___ Issues an order to subordinates. Conducts a patrol briefing and inspection.
- .10 ___ Gathers general engineering information on the designated area; i.e., location of construction materials and natural resources.

8 Feb 95

- .11 ____ Using six digit UTM coordinates, determines the location, quantity available, quality, and accessibility of resources.
- .12 ____ Reconnoiters all bridges within the FOB. (KI)
- .13 ____ Determines best fords, as required. (KI)
- .14 ____ Locates route constrictions such as underpasses, especially those below minimum standards, and if appropriate, the distances such restrictions extend.
- .15 ____ Determines the weight bearing capacity of ice, danger imposed by ice flow, and traction problems if conducted during cold weather.
- .16 ____ Identifies the locations and limiting dimensions of tunnels to include suitable bypasses.
- .17 ____ Evaluates the soil condition along the route, and determines improvements required (work estimates).
- .18 ____ Reviews available area studies to identify information not covered or outdated.
- .19 ____ Confirms location of routes that are represented on the standard 1:50,000 military maps. (KI)
- .20 ____ Prepares a simple map overlay pointing out errors, improvements to routes, and omissions on the standard tactical map sheets. (KI)
- .21 ____ Prepares a route reconnaissance report (DA Form 1711-R) which contains the requisite information using standardized formats, military map symbols, hasty route reconnaissance symbols, and work estimates on reverse side. (KI)
- .22 ____ Debriefs personnel who conducted the reconnaissance.
- .23 ____ Submits a reconnaissance report.
- .24 ____ Identifies location of enemy obstacle.
- .25 ____ Provides detailed information on all obstacles. (KI)
- .26 ____ Identifies routes, existing obstacles, and minefield locations.
- .27 ____ Identifies location and capacity of FOB sites surveyed.
- .28 ____ Identifies location and types of water points.
- .29 ____ Identifies location, type, and capacity of local engineer equipment, electrical power sources, and construction materials.
- .30 ____ In coordination with MALs, determines the best location for construction of an AIP, considering the amount of aviation ordnance to be stored and its blast radius/arc.
- .31 ____ Performs soil analysis to determine whether type of soil and California Bearing Ratio (CBR) is sufficient to support the type and number of aircraft that will operate from the FOB.
- .32 ____ Plans for horizontal construction effort in support of AM-2 matting installation.
- .33 ____ Plans for horizontal construction effort in support of installation of TAFDS.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

BRIDGES

Reconnaissance of bridges should include information concerning as many of the following areas as possible:

1. Classification data.

2. General description and orientation.
3. Component dimensions.
4. Available bypasses.
5. Defensibility of surrounding terrain.
6. Maintenance requirements.
7. Velocity and width of stream.
8. Underwater supports and abutments.
9. Obstacles protecting the supports.

FORDS

Selecting the best site to conduct fording operations requires an analysis of the river bottom (i.e., firm, soft, etc.), identification of entry and exit points, required development/maintenance, available concealment, slope, velocity, and width of stream, indications of the effects of rain on drainage, and surrounding terrain considerations.

CONFIRMING LOCATION OF ROUTES

Emphasis must be placed on ensuring that maps and charts are annotated to reflect information not reflected on current maps.

OVERLAY

The overlay contains the following markings:

1. Two grid references, magnetic north arrow, scale of map used, title block route classification formula.
2. Width: narrowest width of the route (in meters or feet).
3. Route type: determined by worst section of route, X is all-weather (surfaced road), Y is limited all weather (gravel or unsurfaced road), and Z is fair weather (rough trail).
4. Military route classification: lowest one way bridge load classification.
5. Obstructions: note any type including degree of reduction to traffic flow.

Special conditions: snow blockage (T), and flooding are marked if conditions are persistent, but passage is possible.

DA FORM 1711-R

DA form 1711-R must be completed and forwarded in a timely fashion. Rapid dissemination of intelligence gathered from reconnaissance is vital to overall mission success.

OBSTACLE DESCRIPTIONS

Obstacles, whether existing (natural or manmade) or reinforcing obstacles, including large areas containing NBC contamination, must be carefully described by type, limits, and recommendations as to whether bypass or in-stride breach is warranted.

ENCLOSURE (1)

TASK: 13B.7.3 CONSTRUCT VTOL PADS IN CONJUNCTION WITH AIR OPERATIONS

CONDITION(S): The MWSS has been tasked to construct a VTOL site (96' by 96') in support of ACE operations. The VTOL site must be completed within 24 hours, prior to commencement of surge flight operations. The ACE's AV-8's are sea-based and will operate from the VTOL site under visual flight regulations (VFR) upon completion. The area selected is devoid of any existing roads, parking lots, existing airfields, etc.. Land clearing assets include demolitions, chain saws, and hand tools. Heavy equipment is available, as required. The supported unit will provide security.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Acknowledges receipt of the task and receives commander's guidance.
- .2 ___ Coordinates with S-2/3 and ACE planners concerning intelligence, location of the LZ, security, anticipated number of AV-8B's, tonnage, requirement for storage area for external loads and personnel.
- .3 ___ Conducts a reconnaissance of the site selected, and conducts a field identification of the soil.
- .4 ___ Coordinates with Expeditionary Airfield Services to determine weight bearing ability of soil. (KI)
- .5 ___ Task organizes, briefs, and inspects troops for proper supplies, equipment, and/or explosives to construct the VTOL pad.
- .6 ___ Surveys the location of the VTOL pad for minimum CBR rate of 4, and maximum gradient change of 2 inches/12 feet.
- .7 ___ Clears 150 feet beyond the edges of the landing pad for safe approaches.
- .8 ___ Clears small trees and brush, and removes stumps at ground level.
- .9 ___ Ensures the obstruction height at the edge of the clearing does not exceed 50 feet.
- .10 ___ Clearly marks obstacles which cannot be removed.
- .11 ___ Determines storm run off and drainage using the hasty method, and constructs surface drainage structures if required.
- .12 ___ Prepares a 96'x 96' VTOL pad, utilizing AM-2 matting, constructing a suitable surface plus a parking area for additional aircraft as required.
- .13 ___ Clears the area of FOD.
- .14 ___ Reports completion of the air point and provides the using unit with a sketch of the site.
- .15 ___ Coordinates Expeditionary Airfield Services support to ensure certification by the proper authority.

EVALUATOR INSTRUCTIONS: Criteria for the site are contained in the AV-8B Tactical Manual (NWP55-3-AV8B), Chapter 11.

KEY INDICATORS:

WEIGHT BEARING ABILITY

A minimum California Bearing Ratio (CBR) value of 8 to 10 percent at 3 inches below the surface is required for suitable surface hardness in the event operations in and out of unprepared site are required.

TASK: 13B.7.4 CONSTRUCT MISSION ESSENTIAL BASE CAMP REQUIREMENTS

CONDITION(S): The ACE has requested engineer support to construct a base camp. The anticipated time of use is 6 months. The camp must be capable of providing all facets of AGS. Land clearing assets include demolition, hand tools, chain saws, and heavy equipment. The supported units are responsible for security and will provide working parties to augment the MWSS engineers.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Analyzes the mission and receives commander's guidance.
- .2 ___ Coordinates planning efforts with the air base camp commandant.
- .3 ___ Task organizes, briefs, and inspects personnel for proper supplies, equipment, and/or explosives to construct the base camp.
- .4 ___ Installs barriers beyond the capability of supported units as prescribed in the operation plan.
- .5 ___ Plans and installs expedient drainage system.
- .6 ___ Plans and constructs field sanitation facilities.
- .7 ___ Constructs a heavy equipment staging area.
- .8 ___ Conducts vertical and horizontal construction as required.
(KI)
- .9 ___ Plans and installs a power distribution system.
- .10 ___ Plans and constructs refueling points.
- .11 ___ Supervises camouflage requirements.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

VERTICAL AND HORIZONTAL CONSTRUCTION

Vertical and horizontal construction requirements may include the following:

1. Ordnance storage facilities.
2. Chow hall.
3. Temporary revetments.
4. Waste disposal sites.
5. Temporary bunkers.
6. Strongbacks huts.
7. Expedient roads.
8. Ammunition Issue Points (AIP's).
9. Hardening key facilities.

ENCLOSURE (1)

TASK: PROVIDE MOBILE ELECTRIC POWER SUPPORT

CONDITION(S): The MWSS has been tasked to provide mobile electric power support to the FOB. Heavy equipment support is available for site preparation.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Properly matches generators to their anticipated /planned loads.
- .2 ___ Properly locates generator(s) for maximum efficiency (largest load nearest the generator set).
- .3 ___ Ensures voltage drop at farthest load is within +/- 10 percent.
- .4 ___ Constructs tactical emplacement of generators. (KI)
- .5 ___ Properly grounds generator sets.
- .6 ___ Inspects distribution systems for proper installation.
- .7 ___ Ensures that where the overhead system crosses roadways, the wires are properly marked and have at least a 16 foot ground clearance.
- .8 ___ Connects receptacles and other loads with the proper polarity.
- .9 ___ Locates generator(s) for ease of access for refueling, servicing, or replacement.
- .10 ___ Camouflages/conceals generator(s).
- .11 ___ Performs preventive maintenance services daily, or as required.
- .12 ___ Posts signs for noise hazard and provides utilities personnel with appropriate hearing protection.
- .13 ___ Prepares generator refueling schedule.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

TACTICAL EMPLACEMENT OF GENERATORS

The tactical emplacement of generators should take into consideration the following:

1. Generators are dug in or well bermed to dampen noise and protect generators.
2. Camouflage nets or natural materials are used for concealment.

TASK: 13B.7.6 ESTABLISH A SHOWER POINT

CONDITION(S): The MWSS has been tasked to plan, construct, and operate a shower point. The anticipated time of usage is 6 months. Heavy equipment support is available for site preparation.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Locates shower point so it does not create a sanitation hazard.
- .2 ___ Provides shower point with adequate drainage to control waste water and prevent contamination of natural streams, lakes, or other water sources.
- .3 ___ Provides shower point with shelter for privacy and protection against the elements.

ENCLOSURE (1)

- .4 ___ Utilizes an approved water source.
- .5 ___ Utilizes water with a chlorine level residual between 3.0 and 5.0 ppm.
- .6 ___ Covers water storage tank to prevent re-contamination.
- .7 ___ Provides serviceable decking for the shower tent, if required.
- .8 ___ Keeps equipment clean and away from combustibles.
- .9 ___ Performs daily preventive maintenance services.
- .10 ___ Camouflages and conceals equipment, as required.
- .11 ___ Positions equipment for ease of refueling, servicing, and/or replacement.
- .12 ___ Ensures that adequate freeze protection measures are taken.
- .13 ___ Provides adequate lighting and ensures protection from all electrical hazards.
- .14 ___ Recommends shower hours to Camp Commandant.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 13B.7.7 ESTABLISH A LAUNDRY POINT

CONDITION(S): The MWSS has been tasked to plan, construct, and operate a laundry point. The anticipated time of usage is 6 months. Heavy equipment support is available for site preparation.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Locates Laundry point so it does not create a sanitation hazard.
- .2 ___ Provides adequate drainage to control wastewater and prevent contamination of natural streams, lakes, or other water sources.
- .3 ___ Utilizes an approved laundry source.
- .4 ___ Utilizes water containing a chlorine residual of at least 3.0 ppm.
- .5 ___ Covers water storage tank to prevent re-contamination of water.
- .6 ___ Properly grounds laundry unit.
- .7 ___ Cleans up fuel spills when they occur on the laundry unit.
- .8 ___ Locates generator at least 75 feet from the laundry unit, or (if impracticable), provides personnel with hearing protection.
- .9 ___ Maintains electrical connections, secure panels, and doors in place to prevent electrical accidents.
- .10 ___ Provides laundry unit with a serviceable fire extinguisher.
- .11 ___ Maintains 3 feet clearing from exhaust ducts to prevent ignition of combustibles.
- .12 ___ Performs preventive maintenance services daily.
- .13 ___ Keeps laundry unit and generator clean and uncluttered.

ENCLOSURE (1)

- .14 ___ Posts hazardous noise signs around generators.
- .15 ___ Adheres to laundry turn-in schedule to preclude overlap.
- .16 ___ Maintains records of individual and bulk laundry receipt/
issue.
- .17 ___ Camouflages/conceals equipment, as required.
- .18 ___ Positions equipment for ease of refueling, servicing,
and/or replacement.
- .19 ___ Ensures adequate freeze protection measures are taken.
- .20 ___ Provides training and supervision for supported unit
laundry personnel.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 13B.7.8 PROVIDE POTABLE WATER

CONDITION(S): The MWSS has been tasked to produce, store, and distribute potable water. The site must produce 6,000 gallons of potable water within 6 hours of arrival. The entire water system is to be operational within 24 hours after arrival. All equipment and chemicals necessary for operation are available.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Analyzes mission and receives commander's guidance.
- .2 ___ Requests available information on the area and any aerial
photography available.
- .3 ___ Coordinates security and fire support plan with local units.
- .4 ___ Identifies personnel and any special equipment required to
conduct the reconnaissance and establish the site.
- .5 ___ Issues the order and conducts a briefing.
- .6 ___ Analyzes water sources/site.
- .7 ___ Sets up and operates water purification unit. (KI)
- .8 ___ Establishes water distribution points
- .9 ___ Tests water storage vessels for chlorine level and amount
of total dissolved solids (TDS). (KI)
- .10 ___ Maintains daily logs on site for water production and
Issue.
- .11 ___ Ensures that adequate freeze protection measures are
taken, as required.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

SET-UP AND OPERATION OF WATER PURIFICATION UNIT

The following factors should be considered when setting up and operating a water purification unit:

1. Selects suitable, level ground for unit.

8 Feb 95

2. Positions unit close enough to water supply.
3. Determines the feasibility of whether to use local electric power or the use of mobile electric power to support water requirements.
4. Makes maximum use of natural cover and concealment, or camouflages site.
5. Correctly installs all hoses and pumps.
6. Ensures that no electrical contacts are left exposed.
7. Uses the correct formula to determine the correct amounts of chemicals, as required.
8. Lays out water point and storage areas to facilitate one-way traffic for ease of dispensing final product water to using units.
9. Performs preoperational checks.
10. Performs during operational checks after each hour of operation.
11. Ensures hearing protection is worn around all generators and heavy equipment.
12. If ROWPU is utilized for pumping water for decontamination operations, chlorinization feed pump must be shut off.

Chlorine Level

The amount of total dissolved solids must be less than 1,500 ppm. Under field conditions the chlorine level can range from no more than 5 ppm at the point of production and no less than 2 ppm at the point of consumption. For permanent and semi permanent facilities the chlorine level will not be greater than 1.0 ppm and not less than .75 ppm unless directed by medical authorities.

TASK: 13B.7.9 CONDUCT LIMITED MINE SWEEP

CONDITION(S): The MWSS is conducting a limited mine sweep of a captured airfield to detect burfod mines/hazardous ordnance. The MWSS will provide security for the mine sweep.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Analyzes the mission and coordinates as necessary to support the subject mine sweep.
- .2 ___ Task organizes for the mine sweep and prepares for the operation.
- .3 ___ Coordinates required EOD support.
- .4 ___ Inspects and conducts operational checks of the equipment.
- .5 ___ Conducts the mine sweep in accordance with procedures detailed in the unit's SOP.
- .6 ___ Relieves mine detector operators every 15 to 20 minutes.
- .7 ___ Checks roads and shoulders for mines using mine detectors.
- .8 ___ Detonates, removes or marks discovered mines as required.
- .9 ___ Marks boundaries of minefields and lanes, to include civilian warnings.
- .10 ___ Calculates the time and materials required to repair the road damage caused by the detonation of any mines.
- .11 ___ Submits spot reports to the ACE G/S-3 on any mines or booby traps live or detonated, and other reports as required.

ENCLOSURE (1)

EVALUATOR INSTRUCTIONS: If subtask .4 is to be evaluated, the unit SOP must be available to the evaluator.

KEY INDICATORS: None.

TASK: 13B.7.10 INSTALL A HASTY PROTECTIVE MINEFIELD

CONDITION(S): The MWSS has been assigned the mission of installing a hasty protective minefield to cover a potential enemy avenue of approach. The mines and marking material required to emplace the hasty protective minefield are available at an ammunition supply point (ASP). Chemical mines are not authorized.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Determines the mix and density of mines to be used based on the threat.
- .2 ___ Computes data on supplies and materials required.
- .3 ___ Ensures the minefield is emplaced across the enemy avenues of approach within range of the unit's weapons.
- .4 ___ Coordinates with the units within the FOB to ensure the minefield is integrated into the overall defense plan.
- .5 ___ Marks the lanes for movement of friendly personnel.
- .6 ___ Ensures coordination to arrange movement of supplies and material.
- .7 ___ Ensures reports of the intention to lay, initiation of laying and completion of laying are made by the MWSS to ACE headquarters.
- .8 ___ Coordinates the security of the area with the MWSS.
- .9 ___ Supervises the construction of the minefield.
- .10 ___ Lays mines as expeditiously as possible, and does not employ anti-handling devices.
- .11 ___ Arms and camouflages mines.
- .12 ___ Clears the area of packaging debris directly associated with the installation of mines.
- .13 ___ Marks minefield located in friendly areas.
- .14 ___ Records minefield on DA form 1355-A and diagrams its pattern.

EVALUATOR INSTRUCTIONS: Simulation to approximate combat loads and conditions is necessary to gain an understanding of the logistical requirements for installing a minefield. All planning, coordination, and paperwork should be completed. Depending on the scope of the minefield, the requirement to report the initiation may be eliminated.

KEY INDICATORS: None.

13B.8 MOTOR TRANSPORTION SERVICES

TASK: 13B.8.1 MOTOR TRANSPORTATION (MT) PLANNING

CONDITION(S): The ACE has displaced ashore at an FOB. The MWSS has begun motor transport support planning.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Analyzes the mission and available information to identify specific tasks with respect to METT-T and KOCOA.
- .2 ___ Requests intelligence/information to determine beach trafficability, soil characteristics, weight bearing properties, beach gradients, and location of sand bars.
- .3 ___ Requests maps, aerial imagery, and other special topographical products.
- .4 ___ Provides staff input during the development of the logistics and the AGS estimates of supportability.
- .5 ___ Makes recommendations on the employment of MT assets.
- .6 ___ Determines, based on courses of action, overall MT support requirements and ensures effective use is made of the transport capability of the vehicles consistent with tactical considerations.
- .7 ___ Develops traffic circulation plan.
- .8 ___ Coordinates control of road nets within the FOB.
- .9 ___ Employs centralized control measures to be employed ashore for the prioritized and efficient use of vehicles.
- .10 ___ Identifies the fuel and lubricant requirements, by type, quantity, and climate conditions to support the vehicle fleet (consider weather conditions/ average temperature and specific fluid weights, additives and fuel types).
- .11 ___ Plans motor transport security to include cover and camouflage, when vehicles are not in use.
- .12 ___ Establishes MT request procedures which will provide responsive and adequate motor transport support to components of the ACE.
- .13 ___ Ensures coordination of communications requirements to ensure sufficient equipment, frequencies, and call signs are available.
- .14 ___ Identifies all special/additional equipment requirements.
- .15 ___ Initiates continuous first echelon maintenance

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

ENCLOSURE (1)

TASK: 13B.8.2 CONVOY PLANNING

CONDITION(S): The MWSS is tasked to support the ACE by moving personnel and equipment over an unfamiliar route to a forward area in a quantity that will require two convoys. One convoy requires a day movement and the other a night movement. The size and organization of the convoys are prescribed by the following minimums to simulate larger convoys covering longer routes. The day march column will be composed of two serials of 7 vehicles. Combat vehicles as part of the security element will not be included in the vehicle minimum count. The convoys will move over a distance of 25/10 (day/night) miles on unimproved roads (or a mix of improved/unimproved for day marches). The night column moves under blackout conditions and may be one serial. Assume that at some point in the route, the convoy has traveled sufficiently far that a planned halt is necessary.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Acknowledges receipt of the warning order and initiates planning.
- .2 ___ Analyzes the mission and available information to identify specific tasks with respect to KOCCA and METT-T.
- .3 ___ Ensures unit SOP provides detailed guidance on convoys.
- .4 ___ Uses standardized procedures contained in SOP's in the development of the convoy plan (to include vehicle hardening and crew-served weapons configurations).
- .5 ___ Reviews essential elements of friendly information and initiates immediate measures to reduce OPSEC indicators.
- .6 ___ Requests an intelligence update on the enemy, his disposition, capabilities, intentions (i.e., defend, reinforce, attack, withdraw, or delay (DRAW-D), identified vulnerability, area of operations, and weather).
- .7 ___ Requests maps, aerial imagery, and other special topographic products if not already possessed.
- .8 ___ Conducts a detailed terrain analysis to identify routes and highlight military aspects of terrain using KOCCA.
- .9 ___ Coordinates with S-2 to develop a reconnaissance and surveillance plan to locate enemy positions, movements, and obstacles including the use of aerial reconnaissance, both manned and unmanned.
- .10 ___ Determines overall MT requirements.
- .11 ___ Identifies the distances involved, estimated time of movement, length of column, and time and distance separation factors.
- .12 ___ Designates convoy commander.
- .13 ___ Arranges a leaders reconnaissance (map, air, or route) depending on the time available and situation, to reconnoiter proposed routes, bridges, defiles, and other critical points which can either restrict or channel friendly forces.
- .14 ___ Considers vehicles and loads that will be moved to identify possible problems in advance (such as might be caused by a tractor-trailer hauling a bulldozer up a steep grade).
- .15 ___ Task organizes the convoy according to the specific mission and situation using a transport element, a security and escort element, support elements, and a command and control element.
- .16 ___ Determines the march order. (KI)
- .17 ___ Evaluates the effects of weather and astronomical data on both friendly and enemy forces, e.g., ambient light levels, trafficability, etc.
- .18 ___ Conducts initial staff orientation.
- .19 ___ Issues convoy commander's planning guidance; e.g., security requirements, routes, halts, etc.
- .20 ___ Issues a warning order which contains as much available information as will allow for preliminary planning, required movement, and rehearsals by subordinate units.

8 Feb 95

- .21 ____ Develops courses of action and estimates of supportability.
- .22 ____ Estimates the rates of advance afforded by each route.
- .23 ____ Makes convoy commander's estimate and decision, and formulates a concept of operation.
- .24 ____ Plans a route(s), prescribes a rate of speed, assembly areas, schedule of events, order of march, maximum catch up speeds, intervals between vehicles and units.
- .25 ____ Coordinates a detailed fire support plan with request procedures for all available assets to include mortars, artillery, NGF, and air; and allocates priority of fires to the lead elements.
- .26 ____ Designates control measures such as phaselines and checkpoints that ensure the coordinated movement of units, supplies and equipment, and responsiveness of supporting fires and safety of personnel. (KI)
- .27 ____ Coordinates procedures to allow for timely updates on the threat and weather while enroute to the objective area.
- .28 ____ Determines the probability of contact based on METT-T updates.
- .29 ____ Identifies any required engineer effort to include bridging, and prepares plans to ensure the free movement through or around obstacles.
- .30 ____ Requests air support to include close air, aerial reconnaissance, and aerial retransmission.
- .31 ____ Coordinates communications and signals, and specifies alternate means of communications. (KI)
- .32 ____ Plans redundancy in communications.
- .33 ____ Considers use of tactical deception in the planning, preparation, and execution of the movement in ways that would conceal the convoy and deceive the enemy as to destination, route, and defensive capabilities.
- .34 ____ Conducts liaison and coordination with the ACE and supported unit, participating units, unit at destination, units enroute, and other supporting units.
- .35 ____ Directs the integration of both active and passive security measures at all echelons.
- .36 ____ Ensures that security procedures comply with rules of engagement (ROE) and provide for the security of friendly forces.
- .37 ____ Plans for the deployment of security forces to provide early warning and a reaction force to enemy attack.
- .38 ____ Develops plan for actions on enemy contact (ambush, indirect fire, air attack, NBC attack, meeting engagement), actions at halts, and establishes engagement criteria; i.e., size, type and activity, and a policy on reconnaissance by fire, if different from procedures contained in the unit SOP.
- .39 ____ Considers the use of smoke to screen or obscure movement.
- .40 ____ Establishes air defense priorities and procedures; i.e., employment of air guards, air attack warning signals, areas of scan, etc.
- .41 ____ Ensures air defense coverage is planned in depth and coordinated for entire convoy route.
- .42 ____ Identifies navigation aids (NAVAIDS) to be used to assist in the movement; e.g., GPS, chemical lights, infrared lights and guides.
- .43 ____ Prepares strip maps which identify critical points, danger areas, distances between critical points, mileage ticks on the route, start point (5P), release point (RP), order of march, maximum catch-up speed, intervals between vehicles and units, and control measures.
- .44 ____ Develops contingency plans for crossing danger areas, downed aircraft enroute, destroyed or damaged vehicles, and mass casualties. (KI)
- .45 ____ Prepares a march order for approval.

ENCLOSURE (1)

- .46 ____ Develops a plan that includes vehicle recovery procedures.
- .47 ____ Includes specific instructions for personnel/vehicle accountability throughout the convoy route. (KI)
- .48 ____ Plans for and requests survival equipment that may be required for arctic, desert, or any other special conditions.
- .49 ____ Incorporates required medical support into each convoy.
- .50 ____ Plans for the breaching of obstacles along the route.
- .51 ____ Develops contingency plans for movement when bridges are encountered that are inadequate.
- .52 ____ Ensures bridges are rated or evaluated for strength, before crossing.
- .53 ____ Ensures procedures for requesting planned fire support are coordinated.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

MARCH ORDER

Motor transport convoys are organized with a head, main body (serials), and trail. A motor march is composed of a transport element and a security element, which is positioned throughout the convoy to respond to various contingencies.

CONTROL MEASURES

Distance, time, rate of movement, orderliness, and security are controlled by measures as shown:

1. Any critical points are identified.
2. Halts are planned.
3. Interval is established.
4. March rate is set according to the threat and respective need for speed, control and/or security. Types of vehicles in the convoy will have a major influence on the rate of march, especially in mountains or on restrictive type roads.
5. Checkpoints are established at easily recognizable terrain features or landmarks for the purpose of keeping track of convoy progress.
6. Phaselines (which may be independent of or the same as some checkpoints) are established to further aid in organizing the motor march. Fire support, security watch levels, servicing, recovery, changes in march rate due to changes in road types, etc. are some of the reasons for establishment of phaselines.

ENCLOSURE (1)

TASK: 13B.8.3 CONVOY PREPARATION.

CONDITION(S): Planning is completed and the movement order is ready for issue.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Conducts a detailed briefing on the plan/order to all key subordinates, to include unscheduled halts and emergency actions to be taken.
- .2 ___ Utilizes a terrain model, sketch, or other training aids when briefing the order.
- .3 ___ Allows an opportunity for questions.
- .4 ___ Assigns sufficient key personnel to ensure adequate command and control. (KI)
- .5 ___ Briefs all drivers, prior to the movement, on the situation and actions to take at the various critical points and location of key leaders. (KI)
- .6 ___ Ensures a thorough understanding of critical signals.
- .7 ___ Forms up according to the march order.
- .8 ___ Maintains dispersion and irregularity of formation.
- .9 ___ Ensures that time spent in the staging area is minimal. (KI)
- .10 ___ Establishes local security, to include air defense.
- .11 ___ Rehearses major actions with all units and personnel participating; e.g., unlimited action drills, nighttime movement, actions at danger areas, and air defense drills.
- .12 ___ Ensures drivers are prepared for driving under any special road conditions required; i.e., ice, snow, sand, mud, fording and difficult terrain; and for vehicle recovery in sand, mud, and snow.
- .13 ___ Issues ammunition and special equipment, and conducts pre-operation maintenance checks on convoy equipment and vehicles.
- .14 ___ Provides ample time for performance of final maintenance (no mechanically defective vehicles are sent).
- .15 ___ Conducts final inspections of all personnel and equipment to ensure prescribed items are available, serviceable, carried correctly, and all personnel understand all required aspects of the mission.
- .16 ___ Inspects loads.
- .17 ___ Conducts final brief for key personnel to include a ZIPPO (Zone Inspection Planning, Preparation, and Operation) brief for pilots if helicopters are involved in the convoy.

EVALUATOR INSTRUCTIONS: If existing SOP's or the previously issued operation order annexes provide the necessary convoy movement details, the improvement order can be issued verbally or as a fragmentary order. Otherwise, all details of the movement must be issued originally in the movement order.

KEY INDICATORS:

KEY PERSONNEL

Key personnel consist of the following:

1. Convoy commander
2. Advance Officer/NCO
3. Advance Party

4. Pace Setter
5. Trail Officer
6. Trail Maintenance Officer/NCO
7. Other personnel as required (Security Element Commander)

BRIEFS ALL CONVOY PERSONNEL

Briefing should include:

1. Situation
2. Introduction and location of all key personnel to include leaders, corpsmen, and Maintenance Officer/NCO.
3. Maps that have been marked and supplemented, if necessary, by strip maps with pick up or delivery points, and identity of individuals to report to.
4. Destination
5. Road and weather conditions, and forecast for the time of the convoy.
6. Route
7. Rate of march
8. Interval
9. Radio frequencies
10. Signals
11. Planned halts
12. Final brief on breakdowns, ambush/air attack, and mines and booby traps.
13. Other special instructions.

TIME SPENT IN STAGING AREA

Allow 30 minutes per 20 vehicles up to 2 hours maximum.

TASK: 13B.8.4 CONDUCT OF THE MARCH

CONDITION(S): The MWSS has completed convoy planning and is conducting convoy operations. While executing the planned convoy, the column is forced to halt due to a road or traffic condition.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Begins convoy on time, at a start point previously designated in the order.
- .2 ____ Conducts drills for immediate action, actions at danger areas, and air defense.
- .3 ____ Conducts fording operations.
- .4 ____ Conducts halts, both planned and unscheduled. (KI)
- .5 ____ Uses designated checkpoints enroute.

ENCLOSURE (1)

8 Feb 95

- .6 ____ Ensures convoy commander and security element leaders are able, upon request, to provide their location by a six-digit grid coordinate within 60 seconds.
- .7 ____ Maintains covered communications on those nets designated as covered throughout movement, if required.
- .8 ____ Uses tactical deception measures that conceal or deceive the enemy as to destination, route, and defensive capabilities.
- .9 ____ Maintains vehicle interval as briefed and according to the column movement designated at the briefing or as changes in the tactical situation require.
- .10 ____ Take appropriate action in case of accidents, disabled vehicles, traffic at critical points, etc.
- .11 ____ Demonstrates the ability to recover vehicles under any road conditions; e.g., sand, mud, ice.
- .12 ____ Demonstrates the ability to control the convoy by using appropriate signals.
- .13 ____ Execute immediate action if attacked, as briefed and rehearsed.
- .14 ____ Maintains the schedule set forth in the convoy brief.
- .15 ____ Reports progress of convoy to the MWSS operations center.
- .16 ____ Ensures guides lead their elements from the release point(s) to their unloading areas.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

HALTS

1. Halts must be planned for at the appropriate time and place. Drivers must not dismount until directed. The locations must offer:
 - a. An area large enough to accommodate the convoy and still allow for the same dispersion provided by the march interval.
 - b. Provide cover, concealment, and adequate security to the extent the route offers it.
 - c. Unscheduled halts:
 - (1) Lead element reports the road restriction to the convoy commander who alerts the march column.
 - (2) Column stops while maintaining vehicle interval and security.
 - (3) Convoy commander reports the halt to the battalion or highway control headquarters, while subordinate leaders insure that drivers remain alert for immediate resumption of march.
 - (4) When restriction is removed, each march element reports by radio/signal its resumption of march.
 - (5) Establish security before all else.
 - (a) Air guards.
 - (b) Flank, forward, and rear security.
 - (c) Forward and rear point security of the route.
 - (d) Alert condition prescribed by convoy commander for duration of halt.
 - (e) Drivers and assistant drivers must take all designated defensive measures.

ENCLOSURE (1)

8 Feb 95

(6) Activities at the halt should include:

- (a) Accounting and reorganizing.
- (b) 1st echelon maintenance (refueling, oil, water, tires, etc.).
- (c) Driver comfort (rest, relief, messing, etc.).

(7) Schedule adjustment.

(8) Serials should never rest together.

TASK: 13B.8.5 CONDUCT NIGHT MARCH

CONDITION(S): The MWSS is tasked to support the ACE by moving personnel and materiel to a forward area during night. The astronomical report indicates there will be no moon. The size and organization of the convoy is prescribed by the following minimums to simulate a larger convoy covering a longer route. The convoy will move over a distance of at least 10 miles on unimproved roads. The column moves under blackout conditions and will be one serial of at least ten medium and light trucks, not counting any escort vehicles. Assume that at some point in the route, the convoy has traveled a sufficient distance to make a planned halt necessary. During the march enemy contact is possible. Accordingly, the MAGTF commander has made certain fire support assets available to support the convoy, if required.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Begins convoy on time at a startpoint previously designated in the brief.
- .2 ___ Conducts immediate action, actions at danger areas, and air defense. Ensures all convoy members receive refresher training and rehearsal in night security, and night defensive techniques.
- .3 ___ Ensures procedures for requesting planned fire support are coordinated.
- .4 ___ Directs maximum use of night vision goggles (NVG's).
- .5 ___ Operates with blackout lights forward of the light line.
- .6 ___ Verifies bridge ratings for strength before crossing.
- .7 ___ Uses alternate routes when bridge conditions are not safe.
- .8 ___ Maintains dispersion of 10 meters between vehicles, unless ambient illumination allows more space, or NVG's are available. (KI)
- .9 ___ Maintains a minimum march rate of 5 mph, unless NVG's are available.
- .10 ___ Maintains a minimum march rate of 40 mph with NVG's on hard surface roads and 20 mph on unimproved road according to conditions: (KI)
- .11 ___ Uses designated checkpoints enroute.
- .12 ___ Reports progress of convoy, as required.
- .13 ___ Conducts halts both planned and unscheduled.
- .14 ___ Demonstrates the ability to control the convoy by using appropriate signals.
- .15 ___ Ensures convoy commander and security element leaders are able to provide their location by a six digit grid coordinate within 1 minute.
- .16 ___ Maintains covered communications as required on those nets so designated throughout movement.

ENCLOSURE (1)

- .17 ___ Uses tactical deception measures that conceal or deceive the enemy as to destination, route, and defensive capabilities.
- .18 ___ Demonstrates drivers ability to drive under any special road conditions.
- .19 ___ Take appropriate action in case of accidents, disabled vehicles, or traffic at critical points.
- .20 ___ Demonstrates the ability to recover vehicles under any road conditions; e.g., sand, mud, or ice.
- .21 ___ Adheres to the schedule set forth in the convoy brief.
- .22 ___ Ensures guides lead their elements at critical points, from the release point(s) to their unloading areas, and while enroute to avoid possible confusion.
- .23 ___ Maintains noise and light discipline. (KI)
- .24 ___ Demonstrates vehicle and personnel accountability. (KI)

EVALUATOR INSTRUCTIONS:

KEY INDICATORS:

10 METER INTERVAL

The 10 meter interval, a very closed column is used to keep control. At danger areas the 10 meter interval would have to be adjusted. Planning should have identified danger areas, and actions at danger areas should be rehearsed. See Key Indicator, Contingency Plans At Danger Areas under task 6C.2.1 Convoy Planning, MCO 3501.7A (Part 1).

LIGHT DISCIPLINE

Driver training should include a review of vehicle light switches, so that no breaches of light discipline occur inadvertently by lack of understanding of how to use them. Ensure NVG's are removed if an order is issued to turn on lights.

ACCOUNTABILITY

Strict control must be maintained over convoy personnel, especially at halts and after arriving at forward destinations, when personnel may tend to relax their discipline and vigilance.

TASK: 13B.8.6 TAKE ACTION TO MINIMIZE EFFECTS OF AMBUSH

CONDITION(S): The MWSS is supporting the ACE with a movement of personnel and materiel along a route where enemy contact is possible. The following steps are taken to minimize the effects of any attack that might take place.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Keeps maximum dispersion (up to 100 meters) that conditions allow, but still maintains control.
- .2 ___ Spaces prime targets throughout the convoy.
- .3 ___ Hardens vehicles.
- .4 ___ Camouflages vehicles.
- .5 ___ Conceals loads.
- .6 ___ Assigns assistant drivers who, like drivers, are armed with T/O weapon as briefed.

- .7 ____ Ensures security element is properly employed to provide early warning.
- .8 ____ Assigns, rotates, and supervises airguards.
- .9 ____ Practices immediate action drills.
- .10 ____ Wears body armor and helmet.
- .11 ____ Carries required NBC individual/vehicle issue as briefed.
- .12 ____ Uses prearranged signals to warn the convoy of an ambush.
- .13 ____ Uses escort vehicles.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 13B.8.7 AIR DEFENSE

CONDITION(S): The MWSS is conducting tactical convoy operations. The enemy has high performance fixedwing and attack-helicopter capability. MAGTF air defense assets are available to the convoy commander, if requested.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Requests air defense support.
- .2 ____ Designates air guards.
- .3 ____ Gives the alarm in the event of an attack.
- .4 ____ Takes immediate evasive action. (KI)
- .5 ____ Concentrates a heavy volume of fire on attacking aircraft.
- .6 ____ Describes firing techniques for engaging aircraft. (KI)

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

IMMEDIATE ACTION FOR AN AIR ATTACK

The first principle of camouflage is movement. Ability of the unit to detect approaching aircraft is critical. The mere act of pulling over and stopping does more to keep the vehicles from being detected by aircraft than any other step that could be taken. But without seeing an approaching aircraft first the unit has no way of reacting. Airguards are important and must stay motivated and alert. Fifteen minute shifts are the recommended maximum period of concentration that can be expected from airguards.

FIRING TECHNIQUES

- 1. Aim for the nose of approaching aircraft.
- 2. Lead crossing aircraft (high performance jet aircraft by 9 aircraft lengths).
- 3. Mounted weapons aim slightly high.

ENCLOSURE (1)

TASK: 13B.8.8 ESTABLISH A TACTICAL MOTOR POOL

CONDITION(S): The FOB is established and combat operations are being conducted. Displacement from the FOB is not likely for 6 months.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Designates adequate space for parking, maintenance, and storage of supplies.
- .2 ___ Vehicles are parked to afford easy egress.
- .3 ___ Includes in SOP a priority of evacuation for equipment.
- .4 ___ Establishes a traffic pattern within the motor pool that allows for unimpeded flow of vehicles and easy access to facilities.
- .5 ___ Designates special parking areas for fuel and ammunition vehicles.
- .6 ___ Ensures physical security of equipment, tools, and supplies.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

13B.9 MESSING SERVICES

TASK: 13B.9.1 PLAN MESSING SUPPORT

CONDITION(S): The MWSS has been assigned the mission of providing the ACE with messing services within the FOB. Operations are expected to be 6 months in duration. Three (3) hot meals plus midrats are required. Supplemental rations will be available on a 24 hours a day basis. Field Mess will be supported by "B" rations, tray packs and host nation ration supplements. The MWSS has begun messing support planning.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Analyzes the mission and available information to identify ACE messing requirements.
- .2 ___ Gathers information from the ACE G/S-1 concerning the number of personnel to be fed.
- .3 ___ Identifies food service personnel augmentation requirements from supported units.
- .4 ___ Develops messing plan that satisfies ACE messing requirements (may include provisions for integrating available host nation food service capabilities).
- .5 ___ Coordinates the use of MRE's as a secondary source of subsistence in the FOB.
- .6 ___ Develops and submits recommended messing hours to the ACE S\G-4.
- .7 ___ Identifies engineer support requirements to include mobile electric power, water, and refrigeration requirements.
- .8 ___ Identifies motor transport requirements.
- .9 ___ Submits recommendation on the location of field mess.
- .10 ___ Submits request for the Basic Daily Food Allowance (BDFA).

- .11 ____ Assigns in writing a Dining Facility Officer.
- .12 ____ Coordinates "A" ration supplements and "B" ration requirements.
- .13 ____ Plans for subsistence resupply.
- .14 ____ Plans for the timely removal of messing facility waste.
- .15 ____ Arranges with Preventive Medicine Technicians (PMT's) to conduct periodic messing facility sanitation inspections.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 13B.9.2 PROVIDE MESSING SUPPORT

CONDITION(S): The ACE is conducting operations from the FOB. Elements of ACE have arrived and the MWSS is establishing a messing facility.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Establishes messing facility.
- .2 ____ Ensures cleanliness and health standards are observed to include hand washing, mess physicals, etc.
- .3 ____ Provides messing services.
- .4 ____ Ensures that resupply of "A" ration supplements and "B" rations are accomplished as planned.
- .5 ____ Ensures that an end of the quarter subsistence inventory is conducted.
- .6 ____ Returns all unused Class I (rations) as directed in the MAGTF operations order.
- .7 ____ Ensures sales of meals and control of dining facility funds are accounted for.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

13B.10 MEDICAL SERVICES

TASK: 13B.10.1 PLAN FOR HEALTH SERVICES

CONDITION(S): The MWSS has begun health services planning in preparation for operations ashore.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Participates in all stages of operational planning. (KI)
- .2 ____ Requests medical intelligence on the ACE area of operations to include available resources both at the FOB and in the general region.
- .3 ____ Provides medical input to the AGS estimate of supportability.

ENCLOSURE (1)

8 Feb 95

- .4 ____ Reviews the provisions-contained in the health services SOP in relation to the assigned mission and makes changes where required. (KI)
- .5 ____ Develops the plan for casualty overload at medical treatment facilities.
- .6 ____ Coordinates supportability of mass casualty treatment and evacuation plan with ACE Medical Officer/Flight Surgeon.
- .7 ____ Maintains information on available medical evacuation assets and facilities.
- .8 ____ Provides the ACE G/S-4 with an estimate of dental requirements.
- .9 ____ Evaluate self aid and buddy aid refresher training for MWSS personnel. Reviews procedures for the displacement of medical units ashore, and conducts, at a minimum, a staff rehearsal of movement plans.
- .10 ____ Plans provisions for handling mass casualties.
- .11 ____ Plans for the establishment and operation of medical evacuation stations to perform triage functions.
- .12 ____ Develops a plan for liquid blood supply in coordination with ACE G/S-4.
- .13 ____ Executes casualty reporting procedures, as directed.
- .14 ____ Identifies communications requirements for medical support operations.
- .15 ____ Identifies engineering requirements for medical support operations (to include refrigeration/utilities support).
- .16 ____ Plans for, supervises, and coordinates preventive measures for the control of disease.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

HEALTH SERVICES PLANNING

The MWSS medical element participates, in coordination with ACE medical planners, in health services planning during the initial stages and throughout the planning phase. In addition to the routine staff concerns discussed in FMFM 3-1, Command and Staff Action, planning includes requesting and using medical intelligence resources and having knowledge of external medical support capabilities; i.e., from the host nation and other services.

HEALTH SERVICES SOP

The medical SOP should include sections on:

1. Training of combat troops in self aid and buddy, aid.
2. Training of medical personnel with assigned areas.
3. Litter team training and plan for acquisition of litter teams during combat.
4. Functional area cross training in casualty overload situations.
5. Medical support facility movement, establishment, operation, and displacement.
6. Plan for medical evacuation.
7. Casualty overload and mass casualty procedures.
8. Area security procedures and combat-skills.

ENCLOSURE (1)

8 Feb 95

9. Security and accountability of narcotics, controlled substances, and other controlled items.
 10. Procedures for class VIII resupply.
 11. Plan for liquid/frozen blood requirements.
 12. Medical communications requirements.
 13. Sanitation and preventive medicine.
 14. Supervision of care delivered by corpsmen.
 15. Procedures for reporting friendly casualties.
 16. Procedures for EPW casualties (intelligence, security, etc.).
 17. Procedures for civilian casualties.
 18. Plan for emergency retrograde.
 19. Provisions for NBC warfare regarding treatment of contaminated casualties.
 20. Pre-employment medical/dental checklist to ensure unit readiness.
-

TASK: 13B.10.2 PROVIDE HEALTH SERVICES

CONDITION(S): The MWSS has established a squadron aid station. The aid station forms the primary medical facility of the FOB. In addition to routine sick call, the aid station provides aviation medicine, preventive medicine, laboratory, X-ray, and pharmacy services.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Establishes medical elements at the FOB.
- .2 ___ Maintains internal patient flow and accountability.
- .3 ___ Ensures that during casualty processing, individual NBC defense equipment remains with the casualty unless it requires decontamination.
- .4 ___ Coordinates local security for the squadron aid station.
- .5 ___ Ensures that external markings required by the Geneva conventions are present and appropriately displayed on all medical assets and personnel as directed by the ACE commander.
- .6 ___ Disperses equipment and tentage adequately.
- .7 ___ Determines requirements and coordinates the collection and disposal of medical waste, including blood, and body parts with the ACE G/S-4.
- .8 ___ Reviews MAGTF operation order and SOP's for all medical sections.
- .9 ___ Coordinates effective casualty reporting with the ACE G/S-1.
- .10 ___ Demonstrates the handling of a casualty contaminated by a chemical agent with assistance of decontamination teams.
- .11 ___ Ensures that a mass casualty plan as prescribed in the MAGTF operation order is rehearsed.
- .12 ___ Coordinates an adequate water supply to support medical operations.
- .13 ___ Coordinates to ensure water quality minimum standards are met.
- .14 ___ Ensures established medical evacuation procedures are adhered to.

8 Feb 95

- .15 ____ Demonstrates the ability of the medical element to relocate while maintaining essential support.
- .16 ____ Ensures priority of treatment for patients based primarily on urgent medical reasons not on patient's status as a friendly or enemy casualty.
- .17 ____ Provides procedures for and demonstrates adequate documentation of casualty treatment as the basis for quality assurance (QA) evaluation of patient care.
- .18 ____ Coordinates emergency dental support with the ACE Medical Officer/Flight Surgeon.
- .19 ____ Coordinate the presence of medical personnel within the FOB processing area for medical screening, delousing, and weight checking.
- .20 ____ Coordinates with military police to arrange for evacuation and treatment of stragglers who are injured or disoriented.
- .21 ____ Coordinates with ACE planner the use of transport and lifts of opportunity for medical evacuations (both routine and emergency).

EVALUATOR INSTRUCTIONS: Direct an electrical power failure to test the electrical power failure plan. Simulate a chemical attack to observe decontamination procedures for medical personnel and casualties.

KEY INDICATORS: None.

TASK: 13B.10.3 MEDICAL SUPPLY

CONDITION(S): The MWSS has established a squadron aid station. The aid station forms the primary medical facility of the FOB. In addition to routine sick call, the aid station provides aviation medicine, preventive medicine, laboratory, X-ray, and pharmacy services.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Ensures sufficient quantity of medical supplies are maintained at the squadron aid station to anticipate medical case load.
- .2 ____ Establishes procedures to effect resupply.
- .3 ____ Identifies critical supplies.
- .4 ____ Establishes stock objectives/levels for all medical items including critical items.
- .5 ____ Maintains prescribed stockage objectives for all medical supplies.
- .6 ____ Ensure stocks of medical supplies and equipment to be used in the event of mass casualties are identified and/or established.
- .7 ____ Maintains records and other documents for accountability of narcotic and other controlled substances.
- .8 ____ Safeguards drugs and controlled substances against loss, pilferage, and spoilage.
- .9 ____ Follows established emergency blood resupply storage and distribution, and donor control procedures.
- .10 ____ Provides corrective and preventive maintenance of medical equipment in the field by following procedures established for such.
- .11 ____ Coordinates Biomedical repair support.
- .12 ____ Safeguards medical supplies and equipment against weather damage/environmental factors.
- .13 ____ Establish procedures for the disposal of medical waste.

ENCLOSURE (1)

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 13B.10.4 OPERATE A LABORATORY

CONDITION(S): The MWSS has established a squadron aid station. The aid station forms the primary medical facility of the FOB. In addition to routine sick call, the aid station provides aviation medicine, preventive medicine, laboratory, X-ray, and pharmacy services.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Sets up laboratory equipment and determines its serviceability.
- .2 ___ Ensures reagents and other consumables for performing all necessary laboratory procedures are present and in serviceable condition.
- .3 ___ Performs type and cross-match, CBC, differential, urinalysis, hematocrits, basic chemistries (technician test and a standard specimen).
- .4 ___ Prepacks laboratory supplies and equipment, and prepares for movement in a timely manner.
- .5 ___ Establishes and follows procedures for flow of specimens and reporting of laboratory results.
- .6 ___ Provides for ongoing training and education for laboratory personnel.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 13B.10.5 PROVIDE X-RAY CAPABILITY

CONDITION(S): The MWSS has established a squadron aid station. The aid station forms the primary medical facility of the FOB. In addition to routine sick call, the aid station provides aviation medicine, preventive medicine, laboratory, X-ray, and pharmacy services.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Sets up an operational x-ray machine.
- .2 ___ Sets up darkroom and provides complete shield from external light sources.
- .3 ___ Ensures developer reagents are on hand in adequate quantities and are serviceable.
- .4 ___ Provides adequate clarity and resolution in film development.
- .5 ___ Sets up an adequate radiation shield.
- .6 ___ Ensures radiation exposure badges are worn by all x-ray personnel.
- .7 ___ Inspects exposed film on hand for satisfactory quality of x-rays.
- .8 ___ Demonstrates shooting and developing of a satisfactory x-ray.
- .9 ___ Demonstrates the ability to repack the equipment and consumables correctly.

ENCLOSURE (1)

- .10 ____ Coordinates with the ACE G/S-4 and to establish and develop solution disposal sites and procedures.
- .11 ____ Sets up procedures governing patient flow, x-ray results, film filing, and record keeping.
- .12 ____ Provides for ongoing training and education for X-ray personnel.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 13B.10.6 OPERATE A PHARMACY

CONDITION(S): The MWSS has established a squadron aid station. The aid station forms the primary medical facility of the FOB. In addition to routine sick call, the aid station provides aviation medicine, preventive medicine, laboratory, X-ray, and pharmacy services.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Sets up a pharmacy and dispenses medications contained in the pharmacy AMAL.
- .2 ____ Ensures all medications for issue are within current expiration dates.
- .3 ____ Provides accountability and security for narcotics and controlled drugs per current directives and unit SOP.
- .4 ____ Coordinates with the ACE G/S-4 to ensure all medications are appropriately packaged and stored to withstand temperature extremes during transport and field storage.
- .5 ____ Ensures any expired medications are properly surveyed and destroyed.
- .6 ____ Ensures all medications issued are properly labeled.
- .7 ____ Provides for ongoing training and education for pharmacy personnel.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 13B.10.7 PROVIDE PATIENT STABILIZATION AND TEMPORARY PATIENT CARE

CONDITION(S): The MWSS has established a squadron aid station. The aid station forms the primary medical facility of the FOB. In addition to routine sick call, the aid station provides aviation medicine, preventive medicine, laboratory, X-ray, and pharmacy services.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Demonstrates the ability to monitor vital signs.
- .2 ____ Demonstrates the drawing of blood, and starting and maintaining IV's, etc.
- .3 ____ Demonstrates the ability to perform basic and advance lifesaving.
- .4 ____ Maintains a capability to man and operate the ward on a 24 hour a day basis.
- .5 ____ Maintains required patient treatment records and submits required medical reports.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 13B.10.8 FIELD PREVENTIVE MEDICINE

CONDITION(S): The MWSS has established a squadron aid station. The aid station forms the primary medical facility of the FOB. In addition to routine sick call, the aid station provides aviation medicine, preventive medicine, laboratory, X-ray, and pharmacy services.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Assesses the potential for environmental health risks aboard the FOB.
- .2 ___ Maintains a field preventive medicine program.
- .3 ___ Task organizes personnel and equipment to field preventive medicine operations.
- .4 ___ Maintains proper sanitation at field laundry, shower points, and field heads. (KI)
- .5 ___ Inspects habitability.
- .6 ___ Ensures food service sanitation.
- .7 ___ Ensures effective pest control.
- .8 ___ Requests technical medical supplies.
- .9 ___ Requests preventive medical supplies.
- .10 ___ In coordination with the ACE G/S-2, disseminates medical intelligence information to subordinate units.
- .11 ___ Continues to update required inoculations.

EVALUATOR INSTRUCTIONS: In the event that the training environment does not permit the actual practice of field preventive medicine, the preventive medicine technician should thoroughly describe what he or she would do in the above situation to plan, implement and manage a field preventive medicine program using the above standards as guidelines.

KEY INDICATORS:

FIELD SANITATION MAINTENANCE

To maintain proper sanitation at shower points, the following should be accomplished:

1. Disinfect decking with an approved disinfectant at least once a week.
 2. Maintain shower and dressing tents in a good state of police; i.e., free of trash and clutter.
 3. Post signs cautioning personnel not to brush teeth while in the shower.
 4. Roll up tent sides daily to air out shower and dressing areas.
-

ENCLOSURE (1)

TASK: 13B.10.9 PROVIDE AVIATION MEDICINE SERVICES

CONDITION(S): The MWSS has established a squadron aid station. The aid station forms the primary medical facility of the FOB. In addition to routine sick call, the aid station provides aviation medicine, preventive medicine, laboratory, X-ray, and pharmacy services.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Sets up and establishes facility.
- .2 ___ Ensures that all necessary aviation medicine chits, equipment and medications are present.
- .3 ___ Provides for ongoing training and education of personnel in aviation specific medical areas.
- .4 ___ Provides for adequate resupply.
- .5 ___ Establishes procedures and guidelines for aviation physicals and aviation sick call.
- .6 ___ Conducts flight physicals and specialty physicals.
- .7 ___ Assists with aircraft mishap investigations.
- .8 ___ Maintains AMAL 699 (military sick call), AMAL 698 (female supplements) as required and AMAL's 635/636 (aid station).

EVALUATOR INSTRUCTIONS: In the event that the training environment does not permit the actual practice aviation medicine services, the medical technician should thoroughly describe what he or she would do in the above situation to plan, implement and manage an aviation medicine program using the above standards as guidelines.

KEY INDICATORS:

13B.11 SECURITY SUPPORT

TASK: 13B.11.1 PLAN SECURITY SUPPORT

CONDITION(S): The MWSS has received a warning order directing it to prepare plans to support combat operations. The hostile forces have direct and indirect fire weapons capabilities, fixed and rotary-wing aircraft, armor, EW capability, and other assets normally possessed by a hostile foreign power. The operation is being conducted at the request of the host nation's government. The MWSS has begun security support planning. Minimal support is anticipated from any other elements of the MAGTF. The MWSS has begun military police security support planning.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Requests intelligence and combat information on the enemy, perceived threat in the rear areas, area of operations, and weather.
- .2 ___ Requests special topographic products which show the road and rail networks, population centers, dams, power plants, and hospitals.
- .3 ___ Requests information on disposition of friendly forces within the support areas.
- .4 ___ Provides MP input into the MWSS AGS estimate of supportability.
- .5 ___ Ensures that the unit SOP contains procedures for the development of MP input for MWSS FOB security plans and orders.
- .6 ___ Identifies requirements for security of FOB's.

ENCLOSURE (1)

- .7 ____ Identifies requirements for general law and order operations.
- .8 ____ Plans logistical needs of MP operations, including POL for vehicles, administrative supplies, and special equipment.
- .9 ____ Determines primary and alternate MP communication requirements.
- .10 ____ Task organizes MP personnel and equipment to accomplish the security support mission. Determines if personnel/equipment augmentation is required.
- .11 ____ Plans for locations of MP security installations that are also tactically sound.
- .12 ____ Coordinates security support to ensure a unity of effort.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 13B.11.2 PLAN TRAFFIC CONTROL SUPPORT BETWEEN FORWARD OPERATING BASES (FOBS)

CONDITION(S): The ACE has established ashore at two FOB's. The HWSS continues detailed security support planning for ACE operations.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Performs a map reconnaissance, advance route reconnaissance, and/or the use of aerial photographs to identify restricting terrain, bridges, population centers, and other critical features located at or near the FOB.
- .2 ____ Determines, with ACE G/S-1 and civil affairs personnel, the expected refugee population and determine the means and methods to prevent interference with military operations.
- .3 ____ Participates in the development of the ACE traffic circulation plan, and coordinates the identification of military route numbers, directions of travel, lightlines and blackout signs, classification of routes, and the location of MP traffic control points.
- .4 ____ Coordinates with ACE G/S-4 and MAGTF Civil Affairs to arrange for disposition of refugees.
- .5 ____ Participates in the development of convoy procedures to ensure movements of vehicles are coordinated, programmed, and monitored from their points of origin to their final destination, e.g., march routes both primary and alternate, size of convoy, communications frequencies, MP support requirements, etc..
- .6 ____ Coordinates with the ACE G/S-1 to plan for return of stragglers classified as lost to their commands.
- .7 ____ Coordinates with ACE G/S-1 to plan the apprehension and disposition of deserters.
- .8 ____ Coordinates with medical division to arrange for evacuation and treatment of stragglers and deserters who are injured.
- .9 ____ Ensures procedures for accident reporting and investigating are established and coordinated per unit SOP.
- .10 ____ Coordinates with adjacent MP units to ensure that military traffic moves along MSR's smoothly, quickly, and with the least interference.

ENCLOSURE (1)

EVALUATOR INSTRUCTIONS: None

KEY INDICATORS: None.

TASK: 13B.11.3 PLAN SECURITY SUPPORT FOR FOB

CONDITION(S): The ACE has established ashore at an FOB. The MWSS continues detailed security support planning for ACE operations.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Coordinates with the tactical security officer (TSO) to ensure the most efficient use of ACE security assets.
- .2 ____ Identifies those facilities, units, convoys, LOC critical points and persons that require NP security support.
- .3 ____ Plans MP mobile and foot patrols to maintain security of the FOB.
- .4 ____ Assists in coordination of a plan for a reaction force capability to include control measures.
- .5 ____ Ensures unit SOP provides guidance for FOB security operations.
- .6 ____ Identifies personnel and equipment augmentation requirements, including construction materials for temporary holding facilities.
- .7 ____ Coordinates access procedures and ensures the movement of civilians and unauthorized personnel in and around the facilities is restricted and controlled. (KI)
- .8 ____ Determines the requirements for a surveillance plan.
- .9 ____ Ensures that physical security plans are in compliance with current directives. (KI)

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

RESTRICTED ACCESS

Restriction and control of defensive area entry and exit procedures are to be rigidly enforced. A system which allows thorough screening and the protection of U.S. personnel and equipment is planned. This system is three tiered at a minimum. The first tier consists of signs which indicate who may enter, and posts the rate of speed for vehicles approaching the checkpoint. The second tier, the trigger position, is where searches are conducted as well as identification is checked. The third tier is where weapons capable of destroying incoming vehicles are located; e.g., AT-4, MK-19, SMAW, and .50 cal machinegun. Special orders for each post are established, and accordingly the last tier has the well defined mission to destroy, immediately, any vehicle passing the checkpoint without proper authorization.

PHYSICAL SECURITY MEANS

Physical security specialists must consider all means available in order to devise the most effective plan possible. This includes but is not limited to: Intrusion Detection System, interior guard structuring, night vision devices, lighting, access control, barriers, containers, locks, etc.

ENCLOSURE (1)

TASK: 138.11.4 PLAN AND ORDER OPERATIONS

CONDITION(S): The ACE has established ashore at an FOB. The MWSS continues detailed security support planning for ACE operations.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Coordinates with local forces, as authorized by the MAGTF commander, to prevent civilian population interference with ACE operations and to facilitate prisoner transfers.
- .2 ____ Plans crowd control procedures to include the provision for public address equipment and riot control agents when authorized.
- .3 ____ Ensures provisions for the application of force in quelling riots and other disturbances are in accordance with the ROE.
- .4 ____ Plans for a law enforcement capability to enforce the laws of war and those orders as established by commanders having the appropriate jurisdiction.
- .5 ____ Advises commanders on potential criminal activities, and recommends control measures and resource requirements to carry them out.
- .6 ____ Plans for a criminal investigation capability to include the investigation of offenses against U.S. forces or property, and violations of the law of war (war crimes).
- .7 ____ Develops crime prevention programs to heighten the awareness of all units of the ACE of the detrimental effects of criminal activities; i.e., sale of illicit drugs, black market operation, theft and pilferage.
- .8 ____ Coordinates with ACE G/S-1 for the disposition of all law enforcement reporting to include a military police blotter/incident complaint report/criminal investigation report system and to identify distribution.
- .9 ____ Plans in coordination with TSO/ADOC for the use of special reaction team to accomplish mission of riot/disaster control and major incident handling.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 13B.11.5 CONDUCT TRAFFIC SUPPORT BETWEEN FOBS

CONDITION(S): The ACE has established ashore at two FOB's. The FOB's contain several dozen displaced civilians and MAGTF intelligence sources report that small remnants of enemy units (4.5 men each) remain in the vicinity. Civilian traffic has clogged many of the roads between the FOBs. The enemy has direct and indirect fire, both rotary and fixed-wing aircraft, and EW capabilities. The ACE commander has determined that the MP priority of effort will be toward traffic support between the FOB's.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Assists in traffic within and between the FOB's.
- .2 ____ Establishes liaison with civilian authorities and implements procedures to preclude/minimize displaced civilian interference with ACE operations.
- .3 ____ Establishes mobile patrols on LOC and alternate routes to verify trafficability, identify obstacles, chokepoints, and the level of civilian traffic on these routes.
- .4 ____ Establishes and maintains secure communications with mobile patrols on designated nets.

ENCLOSURE (1)

8 Feb 95

- .5 ____ Demonstrates the ability to implement established plan for a reaction force to include control measures.
- .6 ____ Develops and implements sufficient access procedures to ensure that the movement of civilians and unauthorized personnel in and around ACE facilities is restricted and controlled.
- .7 ____ Implements a surveillance plan, as required.
- .8 ____ Implements physical security plans in compliance with current directives.
- .9 ____ Develops and implements the traffic support plan as developed and coordinated, and makes recommendations based on changes in the situation, identified problems, and threat.
- .10 ____ Properly classifies and processes stragglers. (KI)
- .11 ____ Resupplies and supports all traffic control points and MP positions.
- .12 ____ Establishes holding areas with regards to tactical and traffic considerations, as directed by higher headquarters. (KI)
- .13 ____ Establishes holding areas for vehicles and pedestrians at all check points.
- .14 ____ Establishes and ensures vehicledismount points are positively controlled.
- .15 ____ Utilizes aerial reconnaissance assets to collect information on flow of traffic, location of convoys, and surveillance.
- .16 ____ Demonstrates the ability to operate on a 24 hour a day basis.
- .17 ____ Ensures traffic routes are properly marked.
- .18 ____ Regulates the flow of civilian and military traffic according to the traffic control plan, and ensures civilian traffic does not impede ACE operations.
- .19 ____ Formulates solutions for the prevention of traffic accidents and provides recommendations to the ACE G/S-4 for the reduction of traffic accidents based on analysis of ACE accident reports.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

STRAGGLER CLASSIFICATION AND PROCESSING

Stragglers are classified and processed as follows: LOST = those individuals separated from their units inadvertently through no fault of their own. Lost personnel are identified, their ID's recorded, and put on transportation back to their parent units. Disoriented/disabled : those individuals separated from their units because of medical condition. Disoriented/disabled personnel are evacuated through medical channels. Deserter = those individuals who have deliberately left their parent unit, as evidenced by discarding of uniforms, weapons and/or equipment, hiding from friendly units or other circumstances equating to probable cause. Deserters are apprehended and detained until they are returned to their parent units for disciplinary action.

HOLDING AREAS

Holding areas are designed for the smooth flow of traffic between FOBs in addition to avoiding vulnerability to enemy attack. Considerations must include: soil trafficability, adequate room for vehicular dispersion, concealment, and ensuring that the first vehicle in is the first vehicle out. Holding areas should be used only if rerouting is not possible.

8 Feb 95

TASK: 13B.11.6 CONDUCT FOB SECURITY OPERATIONS

CONDITION(S): The ACE is ashore and conducting a build up its support at a FOB. Other facilities and areas aboard the FOB are being used to guard EPW's; store ammunition, fuel, weapons, and supplies; and to repair evacuated equipment and rolling stock. The ACE commander has determined that the MP priority of effort will be toward ACE security.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Provides physical security as required for key facilities, units, convoys, LOC critical points, and persons requiring military police support.
- .2 ____ Conducts area reconnaissance utilizing mobile and foot patrols to identify possible DZ's, LZ's, likely enemy rally points and avenues of approach, and disseminates intelligence gathered to the ACE G/S-2.
- .3 ____ Conducts mobile and foot patrols to maintain security of the FOB.
- .4 ____ Ensures control over restricted areas so that no unauthorized persons are able to enter.
- .5 ____ Patrols designated areas in proximity to restricted areas.
- .6 ____ Establishes and maintains communications between all MP positions.
- .7 ____ Conducts offensive and defensive operations, within capabilities, against minor enemy units operating in the ACE commander's Tactical Area of Responsibility (TAOR).
- .8 ____ Uses a personnel identification, controlled access system at access control points.
- .9 ____ Ensures access authorization letters are present and utilized at access control points.
- .10 ____ Makes a route reconnaissance prior to moving personnel requiring military police support.
- .11 ____ Develops and submits predesignated defensive fields of fire to CO, MWSS.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

TASK: 13B.11.7 CONDUCT LAW AND ORDER OPERATIONS

CONDITION(S): The MAGTF is established ashore. Combat operations have switched to mopping up isolated pockets of resistance. The area of operations has a large civilian population that presents a Level I threat to U.S. facilities and personnel. Criminal acts by and against U.S. forces and the civilian population are on the increase. The MEF commander has determined that the MP priority of effort will be toward law and order operations.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Establishes and maintains coordination with local authorities.
- .2 ____ Ensures provisions of SOFA agreement are understood and followed.
- .3 ____ Coordinates with NCIS, local authorities, and other law enforcement personnel and agencies to determine the likelihood that local crime problems could affect ACE operations.
- .4 ____ Makes recommendations to the ACE commander based on an awareness of local crime problems, and measures to be taken to prevent crimes from occurring.
- .5 ____ Initiates criminal investigations and incorporates NCIS agents, when available.

ENCLOSURE (1)

- .6 ____ Provides the ACE with the capability to control, process and evacuate military prisoners.
- .7 ____ Executes patrolling and crime prevention programs.
- .8 ____ Establishes and operates a detention facility. (KI)
- .9 ____ Ensures search and seizure procedures are correctly followed with regard to probable cause, custody receipts, and chain of custody.
- .10 ____ Establishes 24 hour a day law enforcement capability and provides MP blotter/incident complaint report/criminal investigation reporting system.
- .11 ____ Ensures initial response to major incidents, terrorist incidents, or disaster/riot includes establishment of CP and isolation of area.
- .12 ____ Establishes crowd control immediately upon arrival at a disaster/riot incident.
- .13 ____ Gathers intelligence information throughout incidents and reports to the on-scene commander. (KI)
- .14 ____ Ensures special reaction team responds within a prescribed time. (KI)
- .15 ____ Employs riot control agents to quell civil disorders, in accordance with ROE.
- .16 ____ Delivers EPW's to MAGTF collecting point within 24 hours of capture.
- .17 ____ Neutralizes special threat area/group with minimal interference to military operations. (KI)
- .18 ____ Coordinates with MAGTF Civil Affairs personnel or Army C.A. Brigade concerning EPW control facilities and disposition of civilian internees.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

SUSPECT/PRISONER DETENTION RECEIPT

When operating a detention facility, MP's must be sure to receipt for each prisoner/suspect on a [DD Form 629](#).

INTELLIGENCE INFORMATION

Information of interest to the on scene commander would include location of riot instigators, changes in situations, previously unseen situations/conditions, etc. This requires that all MP's involved in the operation remain keenly alert and report everything that varies from the initial brief to the commander.

REASONABLE RESPONSE TIME

Due to varying conditions, the definition of this factor is left up to the subjective evaluation of the evaluator.

NEUTRALIZATION

Neutralization will be the apprehension or incapacitation of suspects.

ENCLOSURE (1)

TASK: 13B.11.8 CONDUCT ENEMY PRISONER OF WAR OPERATIONS

CONDITION(S): The MAGTF is established ashore. Combat operations by MAGTF forces has resulted in the capture of numerous enemy personnel. The ACE commander has determined that the priority of effort of the military police will be enemy prisoner of war operations.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Ensures EPW's are properly tagged with required information prior to acceptance from capturing unit.
- .2 ____ Searches EPW's for concealed weapons prior to acceptance from capturing unit.
- .3 ____ Searches EPW's in detail, during processing, for material of intelligence value.
- .4 ____ Classifies equipment separated from EPW's as impounded, confiscated, or retained and process it accordingly, ensuring accountability at all times. (KI)
- .5 ____ Segregates EPW's by sex and type; i.e., officers, NCO's, nonrated, and civilian combatants, and ensure accountability.
- .6 ____ Coordinates medical care and screening for EPW's.
- .7 ____ Prepares personnel record forms for each EPW including personnel data, fingerprints and/or photograph, and weight register.
- .8 ____ Ensures EPW's with high intelligence value are rapidly taken to the MAGTF EPW collecting point.
- .9 ____ Demonstrates the capability to control prisoner riots and prevent escapes; i.e., holding area barriers, bonds, riot control equipment, interpreters, night lighting, and public address equipment.
- .10 ____ Delivers EPW's to MAGTF EPW collecting point within 24 hours of capture.
- .11 ____ Separates and safeguards EPW's who claim deserter status from other EPW's.
- .12 ____ Processes EPW's according to instructions regarding final disposition.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

PROPERTY CLASSIFICATION

All property accompanying EPW's to the holding facility is classified into one of three categories.

1. RETAINED: Includes all personal effects that can not be used as a weapon against guards or for bribing guards. Also all protective gear must be retained or can be replaced by items offering equivalent protection.
2. IMPOUNDED: Items of no intelligence value taken from the prisoner which will be returned upon release of prisoner. These items include: money or valuables, common weapons, knives and forks, and other personal belongings. These items must be inventoried and receipted by the prisoner. Accountability must be maintained.
3. CONFISCATED: Those items of particular intelligence value which will be taken from the prisoner and not returned. Tagging these materials and listing the conditions of capture is vital.

SECTION 13C

STANDARDS APPLICABLE TO ALL EVALUATIONS

ENCLOSURE (1)

TABLE OF CONTENTS

	<u>PAGE</u>
INTRODUCTION	XIII-C-1
<u>MPS 13C.1 - CONTINUING ACTIONS BY MARINES</u>	
TASK 13C.1.1.....	XIII-C-2
DEMONSTRATE DISCIPLINE	
TASK 13C.1.2.....	XIII-C-3
DEMONSTRATE AIR ATTACK DISCIPLINE	
TASK 13C.1.3.....	XIII-C-4
CONDUCT PREVENTIVE MAINTENANCE IN THE FIELD	
TASK 13C.1.4.....	XIII-C-5
MAINTAIN DISPERSION	
TASK 13C.1.5.....	XIII-C-6
USE COVER	
TASK 13C.1.6.....	XIII-C-6
USE CAMOUFLAGE AND CONCEALMENT	
TASK 13C.1.7.....	XIII-C-7
PREPARE INDIVIDUAL EQUIPMENT AND PERSONNEL	
TASK 13C.1.8.....	XIII-C-8
PROCESS ENEMY PRISONERS OF WAR (EPW)	
TASK 13C.1.9.....	XIII-C-9
PROCESS CASUALTY EVACUATIONS	
<u>MPS 13C.2 - NBC OPERATIONS</u>	
TASK 13C.2.1.....	XIII-C-10
PREPARE FOR NBC OPERATIONS	
TASK 13C.2.2.....	XIII-C-11
CONDUCT NBC CONTROL CENTER OPERATIONS	
TASK 13C.2.3.....	XIII-C-11
PREPARE FOR NUCLEAR ATTACK	
TASK 13C.2.4.....	XIII-C-12
PREPARE FOR A FRIENDLY NUCLEAR STRIKE	
TASK 13C.2.5.....	XIII-C-13
PREPARE FOR A CHEMICAL AGENT ATTACK	
TASK 13C.2.6.....	XIII-C-14
RESPOND TO THE INITIAL EFFECTS OF A NUCLEAR ATTACK	
TASK 13C.2.7.....	XIII-C-14
RESPOND TO THE RESIDUAL EFFECTS OF A NUCLEAR DETONATION	
TASK 13C.2.8.....	XIII-C-15
RESPOND TO A CHEMICAL AGENT ATTACK	
TASK 13C.2.9.....	XIII-C-16
PERFORM BASIC SKILLS DECONTAMINATION	
TASK 13C.2.10.....	XIII-C-17
CROSS A RADIOLOGICALLY CONTAMINATED AREA	
TASK 13C.2.11.....	XIII-C-18
COORDINATE FOR HASTY AND DELIBERATE DECONTAMINATION OF EQUIPMENT	
TASK 13C.2.12.....	XIII-C-18
EXCHANGE MOPP GEAR	
TASK 13C.2.13.....	XIII-C-19
PERFORM HASTY EQUIPMENT DECONTAMINATION	
TASK 13C.2.14.....	XIII-C-19
CONDUCT HASTY DECONTAMINATION	
TASK 13C.2.15.....	XIII-C-20
CONDUCT DELIBERATE DECONTAMINATION	
TASK 13C.2.16.....	XIII-C-20
CONTINUE THE MISSION WHILE IN MOPP 4	

8 Feb 95

INTRODUCTION:

This section contains two MPS's. The first MPS, Continuing Actions by Marines, deals with the performance of individual Marines and their contribution to survivability and the operational goals of the organization. The second MPS, NBC operations, is designed to cover the areas of command and control and unit performance during NBC operations.

It is understood that the exercise scenario will not always allow each of these tasks and standards to be evaluated in their entirety. However, all scenarios will allow at least a portion of these tasks and standards to be evaluated. The evaluator, merely notes "not evaluated" on his evaluation sheet for those areas not applicable. It is anticipated that commanders will evaluate these N/A areas during the course of subsequent training opportunities.

ENCLOSURE (1)

XIII-C-1

13C.1 CONTINUING ACTIONS BY MARINES

TASK: 13C.1.1 DEMONSTRATE DISCIPLINE

CONDITION(S): Under all tactical conditions.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Maintains self discipline. (KI)
- .2 ____ Maintains fire discipline. (KI)
- .3 ____ Maintains supply discipline. (KI)
- .4 ____ Maintains communication discipline. (KI)
- .5 ____ Maintains noise discipline. (KI)
- .6 ____ Maintains light discipline. (KI)
- .7 ____ Maintains hygienic discipline. (KI)
- .8 ____ Maintains maintenance discipline.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

SELF DISCIPLINE

Calm, resolute, and positive acceptance of orders and directives by Marines who give the appearance they are making an honest attempt to participate fully in the achievement of the goals of the field evaluation. Participation is enforced by leaders.

1. Marine's weapon, 782 gear, and personal gear is mounted/stowed as per unit SOP.
2. Marines weapons and equipment are stowed in a manner that allows access to them within 30 seconds.

FIRE DISCIPLINE

When engaged, Marines employ their firepower in an orderly and organized fashion. Lax fire discipline is not tolerated by unit leaders. Ammunition is readily available to replenish crew weapons.

SUPPLY DISCIPLINE

Marines do not waste unit supplies. Supplies are safeguarded from the enemy and protected from the weather. Supplies are not scattered as litter on the terrain. Waste is not tolerated by the leader. All water, POL, food, and ammunition is stowed internally/externally as per a unit SOP.

COMMUNICATIONS DISCIPLINE

Marines operating radios do not waste transmission time with frivolous or personal message traffic. Standard prowords are employed and communication checks are limited to those required. Officers operating radios adhere to standards of performance required of all radio operators. In the static position, wire communication is utilized where possible.

NOISE DISCIPLINE

During operations, Marines of the unit exhibit restraint with regard to noise. Leaders do not tolerate noisy conduct during security guard and patrols or under any circumstance during darkness.

ENCLOSURE (1)

1. In the static posts, radio speakers are turned down so that transmission noise is kept to a minimum.
2. All OP/LP's preferably linked with communication wire telephones.

LIGHT DISCIPLINE

Marines keep light use to a minimum and consistent with accomplishment of assigned missions. Leaders do not tolerate lax light discipline. Sentries posted at night check for light leaks.

HYGENIC DISCIPLINE

Marines exhibit knowledge of and practice good field sanitation. They do not leave trash, garbage or debris in the field to create health hazards. Leaders enforce hygienic discipline. They actively promote field sanitation and personal hygiene by enforcing use of designated heads, good personal health habits, police of the area, and inspection of foot and body sores.

1. All personnel are clean shaven (to prevent inadequate sealing of the Field Protective Mask) and shave at least every 48 hours.
2. Unit personnel prepare, use, and fill cat holes, as necessary, throughout mobile operations.
3. Garbage is buried, or sacked and transported as may be provided by unit SOP.
4. Biohazardous waste is managed in accordance with current directives.

TASK: 13C.1.2 DEMONSTRATE AIR ATTACK DISCIPLINE

CONDITION(S): Under all tactical conditions.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Conducts appropriate immediate action when aircraft alarm is sounded.
- .2 ___ Demonstrates attention to camouflage detail.
- .3 ___ Provides appropriate netting for equipment and tentage unless natural material is available and used.
- .4 ___ Prepares halted vehicles for concealment with camouflage screening systems and natural camouflage.
- .5 ___ Camouflages parked vehicles and newly constructed tents and structures within 15 minutes so that they are not visible from the ground or air at 800 meters with the naked eye, 2,000 meters with optics.
- .6 ___ Avoids encumbering the vehicles (i.e. access to mounted equipment, doors, visibility, mounted weapons, or mobility).
- .7 ___ Stresses placement of personnel and material in area that are concealed from casual detection by enemy aircraft.
(KI)

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

CAMOUFLAGE

Marines employed in security watches and operations must prepare for those tasks:

ENCLOSURE (1)

1. Apply camouflage paint (when used) to more than just Marines faces, covering neck, ears, and other exposed areas of the body.
2. Apply foliage to helmet and equipment, as terrain dictates.
3. Cover or dull items that have a shiny reflective surface. Ensure weapon, 782 gear, and personal gear is mounted/stowed as per unit SOP.
4. Marines weapons and equipment are stowed in a manner that allows access to them within 30 seconds.

DETECTION FROM AIRCRAFT

The first principle of camouflage is movement. Ability of the unit to detect approaching aircraft is critical. The mere act of pulling over and stopping does more to keep the vehicles from being detected by aircraft than any other step that could be taken. Without seeing an approaching aircraft first, however, the unit has no way of reacting. Airguards are extremely important and must stay motivated and alert.

TASK: 13C.1.3 CONDUCT PREVENTIVE MAINTENANCE IN THE FIELD

CONDITION(S): Under all combat and field conditions.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Includes preventive maintenance emphasis during planning. (KI)
- .2 ___ Assigns areas of responsibility for PM to operators.
- .3 ___ Supervises operators in preventive maintenance.
- .4 ___ Displays a sense of urgency when conducting PM. (KI)
- .5 ___ Conducts preoperation checks according to a unit SOP and current first echelon technical manuals.
- .6 ___ Follows proper start up and warm up procedures before moving out.
- .7 ___ Schedules halt checks during long movements. (KI)
- .8 ___ Performs checks during scheduled halts or whenever the unit halts for any length of time.
- .9 ___ Follows proper cool down procedures before shutting down.
- .10 ___ Performs continuous maintenance on all weapons and equipment.
- .11 ___ Properly stores, handles, and disposes of hazardous materials.
- .12 ___ Maintains tactical dispersion to avoid destruction of all maintenance assets.
- .13 ___ Maintains proper documentation of all maintenance efforts.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

PLANNING

During planning for operations, leaders must allow sufficient time for PM to be performed in the assembly area. During long movements, provision must be made for halt checks, the duration and frequency of which should be covered by unit SOP.

ENCLOSURE (1)

ENTHUSIASM OF CREWMEN

When vehicle crewmen are conducting halt checks and performing PM, they must go about their business in an aggressive, enthusiastic, and concerned manner. Initiative and attention to duty and detail are paramount. PM conducted by nonchalant crewmen is one indicator of an ineffective unit that will eventually experience mission failures as a result.

HALTS

Anytime the unit makes unscheduled halts, checks should be made as well. During short halts, a walk-around inspection should be made to check body, tires, and suspension components. Longer halts should include engine compartment/fluid level checks.

TASK: 13C.1.4 MAINTAIN DISPERSION

CONDITION(S): The elements of the MWSS are stationary under tactical conditions.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Maintains unit dispersion. (KI)
- .2 ____ Maintains vehicle dispersion. (KI)
- .3 ____ Maintains combat speed of assets.
- .4 ____ Continues individual dispersion when dismounted. (KI)
- .5 ____ Maintains material dispersion. (KI)

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

UNIT DISPERSION

Units are not grouped together in small areas where they combine to provide a lucrative target for enemy indirect fire. In particular, units do not bunch together during movement. This problem can occur as a result of poor planning as well as poor discipline and awareness.

VEHICLE DISPERSION

Vehicles maintain assigned position and interval during maneuvering. Vehicles do not gather in groups during halts, in assembly areas, or when deployed in stationary situations. Dispersion should be controlled. Leaders must be active in keeping vehicles, spread out.

DISMOUNTED

Marines do not gather in groups when waiting in assembly areas, or when deployed in stationary situations. Dispersion is best controlled by junior leaders who are active in keeping Marines spread out.

MATERIAL

Material, equipment, and tentage are placed so as to reduce their vulnerability to bursting munitions. Unit leaders and responsible staff sections cooperate to keep unit materials spread out.

ENCLOSURE (1)

TASK: 13C.1.5 USE COVER

CONDITION(S): The MWSS is conducting aviation ground support operations.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Demonstrates, by use of tactics and personal example, an understanding of use of covered routes and firing positions for vehicles. (KI)
- .2 ___ Avoids exposing halted elements to observation and fire.
- .3 ___ Moves immediately to the nearest cover.
- .4 ___ Seeks covered positions.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

COVERED POSITION

Obviously, when forced by enemy actions to seek out a covered firing position, the opportunity to find the ideal position is reduced. During scheduled halts a good position is a necessity. A covered firing position is defined as any position which satisfies the following requirements:

1. Position provides best possible observation and fields of fire.
2. Weapons mounted on the vehicle will cover the target.
3. The vehicles must be protected from direct fire to the front.
4. Individual Marines, when dismounted, demonstrate by tactical and personal example an understanding of the use of covered routes and covered positions.

TASK: 13C.1.6 USE CAMOUFLAGE AND CONCEALMENT

CONDITION(S): The MWSS is in an FOB with adequate camouflage equipment available or natural material within a 200m radius of positions.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Conducts appropriate immediate action when aircraft alarm is sounded.
- .2 ___ Demonstrates attention to camouflage detail. (KI)
- .3 ___ Provides appropriate netting for equipment and tentage unless natural material is available and used.
- .4 ___ Prepares halted vehicles for concealment with camouflage screening systems and natural camouflage.
- .5 ___ Camouflages parked vehicles and newly constructed tents and structures within 15 minutes so that they are not visible from the ground or air at 800 meters with the naked eye, 2,000 meters with optics.
- .6 ___ Avoids encumbering the vehicles; i.e., access to mounted equipment, doors, visibility, mounted weapons, or mobility.
- .7 ___ Stresses placement of men and material in areas that are concealed from casual detection by enemy aircraft. (KI)

ENCLOSURE (1)

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

DETAIL

Marines employed in security watches and operations must prepare for those tasks.

1. Apply camouflage paint (when used) to more than just Marines' faces; covering neck, ears, arms, and other exposed areas as required.
2. Apply foliage to helmet, equipment as terrain dictates.
3. Cover or dull items that have a shiny reflective surface.

DETECTION FROM AIRCRAFT

4. The first principle of camouflage is movement. Ability of the unit to detect approaching aircraft is critical. The mere act of pulling over and stopping does more to keep the vehicles from being detected by aircraft than any other step that could be taken. But without seeing an approaching aircraft first the unit has no way of reacting. Airguards are important and must stay motivated and alert.

TASK: 13C.1.7 PREPARE INDIVIDUAL EQUIPMENT AND PERSONNEL

CONDITION(S): The MWSS is alerted of enemy activity in the rear area. The MWSS commander alerts the FOB to prepare for possible enemy contact. All personnel and their individual equipment are on hand. The MOPP level and uniform for the operation are established. Security patrol activity is increased.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Inspects all personnel for the specified uniform. (KI)
- .2 ___ Fits all protective masks, whether worn or carried, and checks for leaks.
- .3 ___ Stows M58A1 kits (for training only; in combat, use M258A1 kit) in or on the mask carrier.
- .4 ___ Ensures filters are serviceable and masks are properly assembled.
- .5 ___ Ensures all individual weapons and magazines are clean.
- .6 ___ Performs functional checks on weapons and magazines.
- .7 ___ Stows magazines in ammunition pouches.
- .8 ___ Stows grenades securely; pins remain bent.
- .9 ___ Wears individual load-bearing equipment (782 gear) as required by a unit SOP.
- .10 ___ Ensures gear is properly fitted and strap-ends are secured, and that canteens are filled with potable water.
- .11 ___ Ensures identification tags are worn around the neck, taped to prevent noise and that all personnel carry DD Form 2MC (U.S. Armed Forces Identification Card).
- .12 ___ Enforces attention to the slightest open wounds (scratches and abrasions) so that they are cleaned and bandaged to prevent infection.
- .13 ___ Enforces a clean shaven face (to prevent inadequate sealing of protective mask) by shaving at least every 48 hours throughout the operation.

ENCLOSURE (1)

- .14 ___ Uses bandages that are-olive drab (OD), if possible.
- .15 ___ Provides opportunities to bathe and change undergarments every 48 hours, if possible, when protective clothing is worn continuously, to avoid rashes.
- .16 ___ Inspects backpacks and/or sea bags of each individual for personal hygiene equipment and extra clothing as specified in the unit SOP.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

UNIFORM

Uniform includes:

1. Protective clothing (based on the mission oriented protection posture (MOPP)).
2. Body armor.
3. Helmet.
4. Protective mask, worn or carried according to MOPP.

TASK: 13C.1.8 PROCESS ENEMY PRISONERS OF WAR (EPW)

CONDITION(S): During an area security patrol the unit has captured a small number of enemy troops.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Searches EPW's immediately after capture.
- .2 ___ Requires EPW's to remain silent and permits no conversation among them. (KI)
- .3 ___ Segregates EPW's by sex and type (officers, NCO's, unranked, civilian combatants).
- .4 ___ Safeguards EPW's from abuse and from hazards of enemy fire. (KI)
- .5 ___ Orders transportation/guard support from higher headquarters to transport EPW's to where they can be processed.
- .6 ___ Reports capture of EPW's.
- .7 ___ Returns with EPW's to friendly positions.
- .8 ___ Tags weapons and items of potential intelligence value for retention.
- .9 ___ Returns helmets, gas masks, personal items, and essential clothing to EPW's.
- .10 ___ Processes EPW's with speed to obtain maximum intelligence benefit.
- .11 ___ Reports perishable information obtained from EPW's to higher command element by most expeditious means.
- .12 ___ Ensures enemy casualties receive same medical care and medevac priority as unit casualties such that any differences in treatment are based solely on medical reasons.
- .13 ___ Publishes a unit EPW processing SOP which, at a minimum, covers responsibility within the unit and required reports.

ENCLOSURE (1)

EVALUATOR INSTRUCTIONS: This task is applicable in all cases except those wherein the Tactical Exercise Control Group (TECG) instructions prohibit either the capture of any member of the aggressor force, or the introduction of actors into the exercise play. Evaluator ensures EPW's are not mistreated.

KEY INDICATORS:

CONTROL AND SAFETY

The ability of the leader to control the group and provide for the safety and security of the unit capturing the EPW's is paramount.

TASK: 13C.1.9 PROCESS CASUALTY EVACUATIONS

CONDITION(S): The FOB is attacked by enemy aircraft using HE ordnance. Friendly casualties are sustained during the attack.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Applies first aid to casualties prior to arrival of corpsmen. (KI)
- .2 ____ Applies self aid if (tagged by evaluator as) lightly wounded.
- .3 ____ Provides triage at the unit level prior to evacuation.
- .4 ____ Demonstrates the proper care and procedures for extricating injured Marines from various positions and circumstances.
- .5 ____ Demonstrates correct procedures for transporting casualties to a place of safety/treatment.
- .6 ____ Reports casualties immediately through established chain of command with proper CASREP format.
- .7 ____ Ensures unit has an SOP which explains evacuation, evacuation request procedures, and required reports from subordinate units.
- .8 ____ Follows established evacuation request procedures. (KI)

EVALUATOR INSTRUCTIONS: This task is applicable in all cases unless otherwise directed by TECG. Evaluators will tag casualties as instructed by the senior evaluator and evaluate those who should provide aid and assistance. All Marines who are tagged with an incapacitating wound will drop when "hit" and will not move under their own power.

KEY INDICATORS:

FIRST AID

Demonstrate knowledge of the four lifesaving steps (stopping the bleeding, restoration of breathing, protecting the wound, treating for shock).

EVACUATION PROCEDURES

The casualty evacuation procedure must be common knowledge by all Marines. Any Marine should be able to properly request casualty evacuation on the radio.

ENCLOSURE (1)

13C.2 NBC OPERATIONS

TASK: 13C.2.1 PREPARE FOR NBC OPERATIONS

CONDITION(S): Enemy forces have employed NBC, air, and ground attack in the area aimed at destroying/disrupting operations and facilities at the FOB. Due to the threat, passive and active defense measures must be used for survival.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Follows established SOP which outlines procedures for enemy NBC strikes and reports required.
- .2 ___ Forms and trains monitor/survey teams.
- .3 ___ Forms and trains decontamination teams.
- .4 ___ Issues individual NBC defense equipment authorized by unit table of equipment (T/E).
- .5 ___ Readies unit NBC defense equipment authorized by unit T/E.
- .6 ___ Prepares mobile decontamination teams' vehicles and equipment.
- .7 ___ Plans for airfield decon operations.
- .8 ___ Identifies shortages and ensures replacement actions are taken.
- .9 ___ Coordinates supply and utilities support to prepare decontamination equipment and bulk decontaminants for ready transport to a decontamination area.
- .10 ___ Coordinates with ACE for additional support, as required.
- .11 ___ Coordinates utilities support to ready all decontamination apparatus for use.
- .12 ___ Ensures NBC trained personnel are available on a 24-hour a day basis.
- .13 ___ Recommends MOPP level to MWSS commander and ensures personnel are at or above, required NOPP level.
- .14 ___ Prepares contamination control point plans and overlays.
- .15 ___ OIC is familiar with the radiation exposure guidelines for the control of exposure of personnel to radiation hazards.
- .16 ___ Personnel properly identify NATO or enemy NBC contamination markers.
- .17 ___ Maximizes utilization of terrain features for cover, concealment, and topographical shielding. Identifies susceptible areas affected by chemical attacks.
- .18 ___ Establishes local alarm for airfield, known by all units.

EVALUATOR INSTRUCTIONS: Provide the-unit information to expect an imminent NBC attack by the enemy, and integrate NBC scenarios with normal missions. Evaluator(s) should be highly trained in the area of NBC Defense (MOS 57XX) or be thoroughly trained in this area as part of evaluators school.

KEY INDICATORS: None.

8 Feb 95

TASK: 13C.2.2 CONDUCT NBC CONTROL CENTER OPERATIONS

CONDITION(S): The MWSS is conducting aviation ground support operations. Friendly forces have suffered an enemy NBC attack.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Provides overall unit NBC defense guidance and possible courses of action to the MWSS commander.
- .2 ___ Coordinates personnel safety considerations when friendly nuclear/chemical operations are planned via higher headquarters dissemination.
- .3 ___ Performs computations necessary to convert basic NBC information to the forms required for various calculations/predictions and transmits information to higher headquarters.
- .4 ___ Plots and displays assembled NBC information provided from higher headquarters.
- .5 ___ Evaluates assembled NBC information and forecasts impact on the ACE operations.
- .6 ___ Disseminates NBC information (intelligence) provided from higher headquarters.
- .7 ___ Prepares and analyzes NBC reports; transmits to higher headquarters.
- .8 ___ Determines radiation exposure status category.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 13C.2.3 PREPARE FOR NUCLEAR ATTACK

CONDITION(S): The MWSS is informed that the future use of nuclear weapons is imminent.

STANDARDS: EVAL: Y; N; NE

- .1 ___ Identifies backup/alternate command, control, and communications procedures.
- .2 ___ Alerts subordinate/displaced elements.
- .3 ___ Continues mission while implementing actions to minimize casualties and damage.
- .4 ___ Implements protective measures, as directed by higher headquarters consistent with the mission.
- .5 ___ Minimizes exposure by rolling down sleeves, buttoning collars, and wearing additional clothing equal to a two layered uniform.
- .6 ___ Takes cover in fighting positions, bunkers, existing shelters (basements, culverts, caves, tunnels, etc.) or lies prone on open ground.
- .7 ___ Coordinates placement of vehicles behind masking terrain/shielding.
- .8 ___ Hardens all positions.
- .9 ___ Initiates periodic monitoring, using available instruments.
- .10 ___ Identifies/prepares shelters to protect from heat, blast, and radiation.
- .11 ___ Maintains security while implementing actions to minimize casualties and damage.
- .12 ___ Secures all loose items, flammable/explosive items, food and water from heat, blast, and radiation.

ENCLOSURE (1)

- .13 ____ Ensure personnel are familiar with standard first aid procedures to provide self/buddy aid for nuclear blast and thermal effects.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 13C.2.4 PREPARE FOR A FRIENDLY NUCLEAR STRIKE

CONDITION(S): The MWSS receives a friendly nuclear STRIKWARN. All, or portions of the unit are within minimum safe distance (MSD) 2 to 3.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Applies, accurately and completely, the STRIKWARN to the situation map within 5 minutes after message receipt.
- .2 ____ Makes available to MWSS commander, pertinent information regarding the planned detonation (time of burst, ground zero, fallout coverage, and MSD).
- .3 ____ Advises MWSS commander of the vulnerability of the unit to the burst (within MSD 1, 2, or 3) and residual contamination (within predicted fallout zone).
- .4 ____ Advises MWSS commander of the measures needed to prevent casualties, damage, and extended interference with the mission.
- .5 ____ Protects external electronic equipment from EMP and TREE.
- .6 ____ Implements protective measures, as directed by higher headquarters, consistent with the mission.
- .7 ____ Minimizes exposure of personnel by rolling down sleeves, buttoning collars, and wearing additional clothing equal to a two-layered uniform.
- .8 ____ Ensures personnel take cover in fighting positions, bunkers, existing shelters (basements, culverts, caves, and tunnels), or lies prone on open ground, as time permits.
- .9 ____ Places vehicles behind masking/shielding terrain.
- .10 ____ Hardens all positions.
- .11 ____ Turns off electronic devices; disassembles erected antennas; ties down antennas. Bare minimum radio equipment remains erected.
- .12 ____ Secures all loose items (small weapons, tools, etc.) and highly flammable/explosive items.
- .13 ____ Acknowledges the warning before the expected time of burst.

EVALUATOR INSTRUCTIONS: Evaluator simulates nuclear detonation with an artillery or nuclear blast simulator, or informs the unit that nuclear blast has occurred. Evaluator assesses casualties and damage to unprotected personnel and equipment.

KEY INDICATORS:

WARNING METHODS

1. Uses a code word or brevity code from the CEOI to indicate the message is a nuclear strike warning.
2. Uses a brief, prearranged message that directs the receiver to implement specific protective measures.

3. Uses encoded message with expected time of burst, if not sent by secure voice or time allows.
-

TASK: 13C.2.5 PREPARE FOR A CHEMICAL AGENT ATTACK

CONDITION(S): The MWSS is informed that the enemy has employed chemical weapons within the theater of operations and that an enemy chemical attack is imminent.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Uses a chemical defense SOP which addresses chemical defense/decontamination procedures.
- .2 ____ Directs all elements (if applicable) to increase MOPP consistent with mission, temperature, work rate, and commander's guidance.
- .3 ____ Identifies mission-essential tasks that require a high degree of manual dexterity or physical strength, and are difficult to perform in MOPP 4.
- .4 ____ Plans alternate methods, such as allowing more time, rotating or assigning additional personnel.
- .5 ____ Identifies criteria for donning the protective mask and chemical protective ensemble.
- .6 ____ Demonstrates the capability to don the protective mask within 9 seconds.
- .7 ____ Demonstrates the capability to don the chemical protective ensemble within 4-8 minutes (NOPP I-IV).
- .8 ____ Establishes the buddy system to facilitate monitoring/treatment for chemical agent poisoning and hasty decontamination.
- .9 ____ Continues the mission while implementing all actions to minimize casualties and damage.
- .10 ____ Covers portions of essential equipment, munitions, POL, food and water, and supplies that cannot be placed in a shelter with expendable or readily decontaminated tarps, shelter halves, or ponchos.
- .11 ____ Affixes detector tape to visible, horizontal surfaces of protective clothing and on equipment, munitions, etc.
- .12 ____ Checks decontamination equipment to ensure the M11/M13 DAP is filled, individuals have complete M258A1, and M291 kits, and ensure there is an available water source with a supporting road network.
- .13 ____ Reports potential decontamination sites to the ACE G/S-3.
- .14 ____ Ensures available chemical agent alarms are set up and monitored.
- .15 ____ Uses protective NBC equipment and supplies properly.
- .16 ____ Maintains protective NBC equipment in a high state of serviceability.
- .17 ____ Ensures personnel can recognize chemical agent symptoms.
- .18 ____ Establishes mobile decontamination teams (to include required vehicles and equipment).
- .19 ____ Coordinates collection of decontaminants to decontamination points.

EVALUATOR INSTRUCTIONS: Inform CO/OIC that chemical weapons have been used in the theater of operations, and that attack is imminent.

ENCLOSURE (1)

TASK: 13C.2.6 RESPOND TO THE INITIAL EFFECTS OF A NUCLEAR ATTACK

CONDITION(S): A nuclear attack has occurred.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Takes immediate action upon recognizing the attack to shield from blast/heat of detonation.
- .2 ____ Maintains or re-establishes chain of command and communications. Resumes mission if possible.
- .3 ____ Rapidly submits NBC-I initial and follow-up reports (as required) to the ACE G/S-3 by personnel designated or responsible for collecting the information. Rapidly forwards the most reliable and complete reports by secure means when possible.
- .4 ____ Provides first aid and evacuates casualties to a medical treatment station as the mission permits; evacuates fatalities.
- .5 ____ Submits damage assessment report by secure means to the ACE G/S-3.
- .6 ____ Initiates continuous monitoring, using available instruments.

EVALUATOR INSTRUCTIONS: Nuclear attack is simulated by the detonation of an artillery or nuclear blast simulator or by other appropriate means. Evaluator will assess constructive casualties due to blast, heat, radiation, and electromagnetic pulse (EMP). EMP casualties will be assessed by the evaluator for all communications systems (antennas, receivers/transmitters) that are exposed (not in a covered or hardened location/vehicle) during the simulated nuclear detonation.

KEY INDICATORS: None.

TASK: 13C.2.7 RESPOND TO THE RESIDUAL EFFECTS OF A NUCLEAR DETONATION

CONDITION(S): A surface or aerial nuclear detonation has occurred. The unit's location is within the predicted fallout zone. The unit gets effective downwind messages at least once every 3 hours. NBC-2 report is furnished to the unit about 15 minutes after the detonation, or prepared by the unit; NBC-3 report is furnished about 45 minutes after detonation; NBC-5 report and/or contamination overlay is provided about 4 hours after the detonation.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Performs mission concurrently with all other actions.
- .2 ____ Advises MWSS commander of estimated time of fallout arrival when information becomes known.
- .3 ____ Maintains continuous monitoring using available instruments.
- .4 ____ Protects equipment, munitions, POL, food, and water from fallout.
- .5 ____ Takes protective measures to minimize fallout effects as mission permits.
- .6 ____ Forwards NBC-4 reports, as required, to the ACE G/S-3 by secure means.
- .7 ____ Records and reports unit total dose information to the ACE G/S-3, using available secure means.
- .8 ____ Positions unit to minimize exposure.
- .9 ____ Handles and provides first aid treatment to casualties in a nuclear environment.

ENCLOSURE (1)

.10 ____ Assesses casualties and fatalities.

EVALUATOR INSTRUCTIONS: The commander is advised of estimated time of fallout arrival.

KEY INDICATORS: None.

TASK: 13C.2.8 RESPOND TO A CHEMICAL AGENT ATTACK

CONDITION(S): The MWSS is subjected to an enemy chemical agent attack.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Takes immediate protective measures, upon hearing a chemical alarm, followed by treatment/decontamination of casualties. (KI)
- .2 ____ Automatically masks upon notification of an enemy artillery, rocket, or a attack/overflight.
- .3 ____ Automatically masks upon perceiving a suspicious odor, airborne droplets/mist, or smoke from unknown source.
- .4 ____ Checks for contamination and performs personnel decon, if required
- .5 ____ Does not unmask until authorized by their commander.
- .6 ____ Detects and classifies chemical agents using appropriate equipment.
- .7 ____ Reports type of chemical agent.
- .8 ____ Locates and marks contamination with NATO standard markers.
- .9 ____ Reports location and type of contamination to the ACE G/S-3 using the NBC-4 report.
- .10 ____ MWSS commander determines if immediate relocation to a clean area is necessary or possible.
- .11 ____ Coordinates with higher headquarters to determine priorities for decontamination. Requests decontamination support if required.
- .12 ____ Wraps, marks as contaminated, and evacuates WIA's as mission permits. Alerts medical treatment facility.
- .13 ____ Wraps, marks as contaminated, and evacuates KIA's as mission permits. Warns graves registration collection point. (Quickly decontaminates KIA's to reduce contaminant transfer within unit capabilities.)
- .14 ____ Initiates unmasking procedures, utilizing monitoring devices. (KI)
- .15 ____ Services and returns detector kits to operation.
- .16 ____ Replaces expended chemical defense items as required.
- .17 ____ MWSS commander adjusts MOPP level as required.
- .18 ____ Handles and provides first aid treatment to casualties in a chemical environment.

EVALUATOR INSTRUCTIONS:

1. Site should support the type of activities being conducted and permit the safe use of simulators and devices. Selected personnel are presented decontamination training kits and first aid treatment training devices. Every attempt must be made to provide a realistic situation through devices, scenarios, acting or other aids.

ENCLOSURE (1)

2. Precautionary measures should be considered when evaluating standard five; e.g., black flag conditions may warrant the exclusion of the evaluation of this standard.

KEY INDICATORS:

UNMASKING PROCEDURES

Unmasking when a detector kit is available:

1. Use the detector at different points in the perimeter to determine the presence of chemical agents.
2. If no agent is detected the senior Marine present will designate two or three individuals to unmask for 5 minutes and then remask for 10 minutes. This is to be done in the shade.
3. If no symptoms appear, remainder of unit may unmask, however, they remain alert for symptoms.

When no detector kit is available, the following unmasking procedures will be adhered to:

1. Two or three Marines take a deep breath, hold it, keep their eyes open, break the seal on their masks, and keep the seal open for 15 seconds.
2. Then they reseal, clear their masks, check the Marines for symptoms, and wait 10 minutes in the shade.
3. If no symptoms appear, the same Marines break the seal of their masks, take two or three deep breaths, clear and reseal their masks.
4. If after 10 minutes no symptoms have appeared, the same Marines unmask for 5 minutes and then remask.
5. If after 10 more minutes no symptoms have appeared, the rest of the unit may unmask; however, they remain alert for symptoms.

NOTE: After each unmasking, always notify higher headquarters.

TASK: 13C.2.9 PERFORM BASIC SKILLS DECONTAMINATION

CONDITION(S): MWSS personnel and equipment have been contaminated by an enemy chemical agent.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Decontaminates skin, individual weapon, and equipment using appropriate decontamination kit and apparatuses.
- .2 ____ Determines extent of decontamination and establishes decontamination priorities.
- .3 ____ Removes, decontaminates, or discards contaminated protective covers.
- .4 ____ Decontaminates unit equipment and vehicles using appropriate expedient devices.
- .5 ____ Determines adequacy of decontamination:

If inadequate:
 - a. Procedures are repeated.
 - b. Decontamination support is requested.
 - c. Risk of using equipment is accepted.

Contaminated materials are discarded according to the tactical SOP, marked as contaminated, and their location is provided to higher headquarters.

.6 ____ Actions are taken to control the transfer of contamination.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

DECONTAMINATION PROCEDURES

Initial decontamination of unit equipment, vehicles, and crew served weapons may be accomplished by:

1. Removing all gross liquid contamination with sticks or other improvised devices, which are buried after use.
2. Using MII portable decontamination apparatuses filled with DS2 to spray areas frequently used or touched. Water must be used to simulate DS2 in training exercises.
3. Using M13 decontamination apparatuses portable.

Contaminated items that may need special decontamination treatment are:

1. POL, food, water containers and munitions should be washed with soapy water, rinsed, and thoroughly air dried.
2. Communications equipment, radar, and other electronic equipment should be decontaminated with hot air or by weathering, or all metal parts are wiped with rags soaked with DS2 (water is used for training purposes).
3. Optical instruments should be blotted with rags and then wiped with lens cleaning solution or organic solvent.
4. Vehicles, engine compartments, etc. can be decontaminated utilizing dodecane (diesel component).

Adequacy of decontamination is determined using M256A1 chemical-agent detector kit. If contamination is still present, decontaminate again.

TASK: 13C.2.10 CROSS A RADIOLOGICALLY CONTAMINATED AREA

CONDITION(S): The tactical situation forces personnel to cross a radiologically contaminated area. The MWSS receives a NBC-5 report or contamination overlay or contamination overlay from the ACE G/S-3.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Posts NBC-5 report and/or contamination overlay to situation map and determine route.
- .2 ____ Obtains route clearance and approval if necessary.
- .3 ____ Provides the reconnaissance element the turn-back dose rate.
- .4 ____ Dispatches reconnaissance team to reconnoiter the area.
- .5 ____ Crosses suspected contaminated area while employing contamination avoidance techniques.
- .6 ____ Avoids exceeding operational exposure guidance.
- .7 ____ Determines the degree of personnel and equipment contamination using the AN/VDR-27 after clearing the contaminated area.
- .8 ____ Establishes and performs decontamination priorities as required.
- .9 ____ Records unit total dose information, using available total dose instruments, and reports to higher command element.

ENCLOSURE (1)

EVALUATOR INSTRUCTIONS: The evaluator will provide the MWSS with turn back and dose rates, if higher command element does not provide it.

KEY INDICATORS:

RECONNAISSANCE

Reconnaissance can be performed by dispatching local teams or requesting MP support if it is available in the area of concern.

TASK: 13C.2.11 COORDINATE FOR HASTY AND DELIBERATE DECONTAMINATION OF EQUIPMENT

CONDITION(S): MWSS equipment has been contaminated by an enemy chemical agent. Basic skills decontamination has been accomplished. Time is available for hasty or deliberate decontamination. Decontamination support from a decontamination team is available upon request.

STANDARD: EVAL: Y; N; NE

- .1 ____ Coordinates with the decontaminated as to time of arrival, supplies, equipment, and personnel support to be furnished by the contaminated unit, and establishes an estimated time of completion.
- .2 ____ Requests and receives route clearance to the Personnel Decontamination Station/Equipment Decontamination Station (PDS/EDS) assembly area. Advance party (personnel to augment decontamination operation and establish security) is dispatched to PDS/EDS.
- .3 ____ Main body arrive at PDS/EDS assembly area and organizes for processing.
- .4 ____ Begins decontamination as scheduled.
- .5 ____ Reorganizes in a clean area upwind of any residual contamination.
- .6 ____ Adjusts MOPP level as required.
- .7 ____ Resumes mission.
- .8 ____ Cleans up, marks and reports decon site as a contamination area.

EVALUATOR INSTRUCTIONS: NONE.

KEY INDICATORS: NONE.

TASK: 13C.2.12 EXCHANGE MOPP GEAR

CONDITION(S): Personnel are in MOPP 4 and the gear has been contaminated.

STANDARD: EVAL: Y; N; NE

- .1 ____ Selects uncontaminated ground or provide protection from ground contamination.
- .2 ____ Conducts personnel wipedown using "buddy method."
- .3 ____ Remove contaminated clothing without transfer of contamination.
- .4 ____ Personnel put on new protective clothing using the "buddy system."

- .5 ____ Personnel Decontaminate, during the exchange, any time contamination is suspected.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 13C.2.13 PERFORM HASTY EQUIPMENT DECONTAMINATION

CONDITION(S): Personnel are in MOPP 4 and their equipment has been contaminated. Power driven decontamination equipment is available.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Remove gross contamination from equipment by hasty washdown.
- .2 ____ Checks for decontamination after the equipment washdown is complete.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: None.

TASK: 13C.2.14 CONDUCT HASTY DECONTAMINATION

CONDITION(S): The MWSS is conducting aviation ground support operations. An enemy NBC attack has occurred at the FOB and hasty decontamination is required.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Selects and prepares appropriate sites, and decontaminants.
- .2 ____ Washes vehicles and equipment.
- .3 ____ Operates power driven decontamination equipment (PDDE); e.g., M17 LDS, M12A1 SMDA, to remove gross contamination from equipment.
- .4 ____ Checks for additional gross contamination after washdown is complete.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

ENCLOSURE (1)

TASK: 13C.2.15 CONDUCT DELIBERATE DECONTAMINATION

CONDITION(S): The MWSS is reconstituting following an enemy attack and requires deliberate decontamination.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Selects andd prepares appropriate site, and decontaminates.
- .2 ____ Decontaminates individual gear at station 1 of detailed personnel decontamination.
- .3 ____ Decontaminates over boots and hoods at station 2 of detailed personnel decontamination.
- .4 ____ Supervises over garment removal at station 3 of detailed personnel decontamination.
- .5 ____ Supervises over boot and glove removal at station 4 of detailed personnel decontamination.
- .6 ____ Monitors personnel at station 5 of detailed personnel decontamination.
- .7 ____ Supervises mask removal at station 6 of detailed personnel decontamination.
- .8 ____ Decontaminates masks at station 7 of detailed personnel decontamination.
- .9 ____ Conducts reissue at station 8 od detailed personnel decontamination.
- .10 ____ Checks vehicles and equipment in staging area for gross contamination areas before sending operators to station 1 of detailed personnel decontamination.
- .11 ____ Washes equipment at station 1 of detailed equipment decontamination.
- .12 ____ Scrubs exterior of vehicles at station 2 of detailed equipment decontamination.
- .13 ____ Scrubs interior and monitors equipment at station 3 of detailed equipment decontamination.
- .14 ____ Rinses equipment at station 4 of detailed equipment decontamination.
- .15 ____ Checks equipment at station 5 of detailed equipment decontamination.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS:

TASK: 13C.2.16 CONTINUE THE MISSION WHILE IN MOPP 4

CONDITION(S): The MWSS has suffered an NBC attack and has been ordered to operate in MOPP 4 for the next 4 hours.

STANDARDS: EVAL: Y; N; NE

- .1 ____ Perform assigned mission. (KI)
- .2 ____ Performs basic body functions; e.g., drink, sleep, personnel hygiene, etc.
- .3 ____ Takes action to minimize adverse effects of wearing MOPP gear.

EVALUATOR INSTRUCTIONS: None.

KEY INDICATORS: Mission is accomplished.

XIII-C-21

ENCLOSURE (1)