

Report Date: 23 Mar 2015
Summary Report for Crew Drill Drill Task
Drill Number: 07-4-D9278
Drill Title: Take 81-mm Mortar Out of Action
Status: Approved
Status Date: 23 Mar 2015

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD6 - This product/publication has been reviewed by the product developers in coordination with the MCoE G-2 foreign disclosure authority. This product is releasable to students from foreign countries on a case-by-case basis.

Drill Data

Proponent: 07 - Infantry (Collective)

Drill Type: Crew Drill

Approved:

Obsolete:

Restricted Read: No

Route To TMD Reviewer: No

TMD Concurrence:

TMD Comments:

Safety Level: Low

Conditions:

The squad is displacing to a new battle position and must take the mortar of action. Some iterations of this task should be performed in MOPP 4.

Standards:

The mortar squad takes the mortar out of action IAW FM 3-22.90 and the unit standard operating procedures (SOP). All mortar equipment is accounted for and secured before movement.

Drill Statements:

DANGER
NONE
WARNING
NONE
CAUTION
NONE

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning

and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. .

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. .

Cue: The squad leader initiates drill by giving the command, "OUT OF ACTION."

Coaching Point: NONE

TASK STEPS

- * 1. Squad leader commands, "OUT OF ACTION".
2. Ammunition bearer retrieves the aiming posts.
3. Gunner removes the sight from the sight bracket.
4. Gunner places the correct deflection and elevation on the sight and places it in the sight case. The correct deflection and elevation are: deflection, 3200 mils; elevation, 0800 mils.
5. Ammunition bearer holds the barrel.
6. Assistant gunner disengages the barrel clamps and removes the bipod from the immediate area of the mortar.
7. Ammunition bearer grasps the base of the barrel and turns it 90 degrees (a one-quarter turn) until it is unlocked from the baseplate socket.
8. Ammunition bearer secures barrel.
9. Assistant gunner disengages the barrel clamps.
10. Assistant gunner closes the barrel clamps.
11. Assistant gunner traverses the buffer carrier to the traversing handwheel and folds the handle.
12. Assistant gunner exposes 1 inch (25 mm) of cross-level shaft and folds the handle.
13. Assistant gunner exposes 4 inches (100 mm) of elevation shaft and folds the handle.
14. Assistant gunner loosens the leg-locking handwheel, presses the spring-loaded locating catch, and raises the fixed leg assembly behind the buffer cylinders until it touches the traversing handwheel.
15. Assistant gunner tightens the leg-locking handwheel (ensuring the teeth are correctly meshed) and fastens the securing strap over the arm and around the buffers.
16. Assistant gunner secures mount.
17. Gunner secures baseplate.
- * 18. Squad leader secures the aiming posts and sight case.
- * 19. Squad leader inspects squad members to ensure all equipment is accounted for and properly secured.
- * 20. Squad leader announces--for example, "NUMBER TWO, UP".

(Asterisks indicates a leader performance step.)

TASK MEASURES

1. Squad leader command, "OUT OF ACTION".
 2. Ammunition bearer retrieved the aiming posts.
 3. Gunner removed the sight from the sight bracket.
 4. Gunner placed the correct deflection and elevation on the sight.
 5. Ammunition bearer held the barrel.
 6. Assistant gunner disengaged the barrel clamps and removed the bipod.
 7. Ammunition bearer grasped the base of the barrel and turned it 90 degrees.
 8. Ammunition bearer secured the barrel.
 9. Assistant gunner disengaged the barrel clamps.
 10. Assistant gunner closed the barrel clamps.
 11. Assistant gunner traversed the buffer carrier.
 12. Assistant gunner exposed 1 inch (25 mm) of cross-level shaft.
 13. Assistant gunner exposed 4 inches (100 mm) of elevation shaft.
 14. Assistant gunner loosen the leg-locking handwheel.
 15. Assistant gunner tighten the leg-locking handwheel.
 16. Assistant gunner secured the mount.
 17. Gunner secured baseplate.
 18. Squad leader secured the aiming posts and sight case.
 19. Squad leader inspected squad members.
 20. Squad leader announced "NUMBER TWO, UP".
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Talk:

a.Orientation: The objective of this squad drill is to provide the squad with basic skills necessary to take an 81-mm mortar out of action.

b.Safety: None

c.Demonstration: If another squad has successfully performed this drill, have that squad demonstrate it. During the demonstration, explain what is being done and why, using the performance measures as a guide. After the demonstration, summarize the actions performed by the demonstrating squad.

d.Explanation: (1) Refer to the performance measures and explain what the squad leader, gunner, assistant gunner and ammunition bearer is required to do upon hearing "OUT OF ACTION."
(2) Ensure that the squad leader and squad members know their duties and responsibilities pertaining to each portion of the drill.
(3) Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.

e.Unit Instructions: a. Resources: 81-mm mortar and all other required Table(s) of organization and equipment (TOE) assigned personnel and equipment.
b. Training Site: A mortar firing range or training area with sufficient mask and overhead clearance.
c. Unit Instructions. The squad is must move to a new battle position and the squad leader commands, "OUT OF ACTION."

Walk:

1. Refer to the performance measures and have each squad member perform his part slowly at first as the leader talks him through.
 2. NONE
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Run:

a.Run-Through Instructions: The unit should practice this drill until they can perform it according to standard, without using notes. The initial run-through exercise should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

b.Coaching Point: NONE

c.Performance Instructions: When the soldiers can perform this drill according to the standard, they should be evaluated by the platoon leader or sergeant.

Equipment (LIN)

Step ID	LIN	Nomenclature	Qty
No equipment specified			

Materiel Items (NSN)

Step ID	NSN	LIN	Title	Qty
No materiel items specified				

Support Personnel

Personnel Type	Description	School	Qty	Remarks
No support personnel specified				

TADSS

Step ID	TADSS ID	Title	Product Type	Qty
	DVC-VBS2	VIRTUAL BATTLESPACE 2 (Local TADSS – Not in TSMATS/PAM 25-30)	DVC	1
	TASC-303-TBD-16	TNG DEVICE, MORTAR, 81MM, MOCK-UP (Local TADSS – Not in TSMATS/PAM 25-30)	TA	1
	07-13A	Mortar, Pneumatic/ M32	DVC	1
	07-13B	Pneumatic Mortar Trainer/ M32A1	DVC	1

Supporting Individual Tasks

Step ID	Task ID	Status	Task Title
	071-074-0022	Approved	Conduct a Displacement by a Mortar Squad
	071-074-0024	Approved	Conduct a Displacement by a Mortar Section
	071-11C-0100	Approved	Maintain an 81-mm Mortar
	071-11C-0101	Approved	Perform Safety Checks on an 81-mm Mortar
	071-11C-0104	Approved	Prepare 81-mm Mortar Ammunition for Firing
	071-11C-1000	Approved	Fire a Mortar

Prerequisite Individual Tasks

Step ID	Task ID	Status	Task Title
No prerequisite individual tasks specified			

Supporting Collective Tasks

Step ID	Task ID	Status	Title
	07-3-1306	Approved	Displace a Mortar Unit by Echelon (Section-Platoon)

Prerequisite Collective Tasks

Step ID	Task ID	Status	Title
No prerequisite collective tasks specified			

Supporting Drill Tasks

Step ID	Drill ID	Status	Drill Title
	07-4-D9267	Approved	Place 81-mm Mortar into Action

OPFOR

Task Number	Title	Status
71-0-0014	Disruption	Approved

REFERENCES

Step Number	Reference ID	Reference Name	Required	Primary
	ATTP 3-21.90	Tactical Employment of Mortars	Yes	No
	FM 3-22.90	Mortars	Yes	Yes
	TM 9-1015-200-10	OPERATORS MANUAL FOR MORTAR, 81-MM, M29A1 (NSN 1015-00-999-7794) (REPRINTED W/BASIC INCL C1-4)	Yes	No

Training Setup

A mortar firing range or training area with sufficient mask and overhead clearance.

Training Facilities

Facility ID	Facility Name	Facility Type
No Training Facilities		

DODIC

DODIC	Name	Qty
No DODIC		

Associated Documents

Media ID	Media Type	Title	Subtitle
No Associated Documents			

GLOSSARY TERMS

Glossary Term	Definition
No glossary terms specified	

ACRONYMS AND ABBREVIATIONS

Acronym/Abbreviation	Definition
No acronyms/abbreviations specified	