

Report Date: 24 Mar 2015
Summary Report for Crew Drill Drill Task
Drill Number: 07-4-D9310
Drill Title: Place 120-mm Mortar into Action
Status: Approved
Status Date: 24 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 installation/activity name 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 unit has arrived at a new location and must provide fire support. Local security has been established. Some iterations of this task should be performed in MOPP 4.

Standards:

The squad places the mortar into action and is prepared to engage the enemy within 75 seconds from the command of "ACTION" (day or night).

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 order "Action."

Coaching Point: NONE

TASK STEPS

* 1. The squad leader commands, ACTION.

Note: Left and Right are in relation to the mortar's direction of fire.

2. The driver/ammunition bearer (first ammunition bearer):

a. Exits the carrier vehicle.

b. Moves to the driver side of the mortar trailer hitch.

3. The second ammunition bearer:

a. Exits the armament vehicle at the same time as the driver/first ammunition bearer.

b. Moves to the passenger side of the mortar trailer hitch.

4. The driver/ammunition bearer unhook the trailer from the vehicle and position the trailer at the firing position with the baseplate toward the direction of fire. The first ammunition bearer removes the muzzle plug.

5. The assistant gunner exits the vehicle with the aiming posts and places them to the right side of the mortar.

6. Once in position, both ammunition bearers raise the trailer until the baseplate is resting on the ground. The second ammunition bearer then releases the trailer while the first ammunition bearer continues to hold the trailer in place, the second ammunition bearer moves around to the right side of the mortar to assist in mounting of the mortar.

7. The gunner exits the vehicle:

a. Carries and places sight to the left of the mortar.

b. Moves up to the left side of the mortar and removes the baseplate latch pin.

c. Unhooks the bipod chain from the eye on the bipod leg and drops it free.

d. Loosens the cross-level locking knob.

8. The assistant gunner assumes his position on the right side of the mortar.

a. Releases the lock release lever and then the clamping catch, and swings the trailer bridge assembly out of the way.

b. Raises the bipod legs, and rotates them.

c. Spreads the bipod legs until they are fully extended and the spread chain is taut.

d. Tightens the cross-level locking knob, once the bipod is placed on the ground.

9. With the gunner standing on the left and second ammunition bearer on the right, together they both grasp the traversing mechanism and bipod legs. With the assistant gunner holding the bipod legs just above the spread chain, they pull and guide the barrel forward away from the trailer. The assistant gunner guides the bipod legs to a point (about two feet) in front of the baseplate and lowers them to the ground. At this point, the mortar is free of the trailer.

10. The # 1 ammunition bearer moves the trailer to the point selected by the squad leader away from the mortar position.

11. The gunner unlocks the clamp handle assembly. The gunner, who is now straddling the barrel, grasps under the recoil buffer housing assembly and pulls down, sliding the buffer housing assembly down the barrel until it rest against the lower collar stop.

12. Ensuring that the white lines on the barrel and the buffer housing assembly are aligned, the gunner retightens the clamp handle assembly until it "Clicks." The gunner then places the selector switch on fire "F" showing. The assistant gunner then checks for slack in the spread chain and ensures the traversing mechanism is within four turns from center of traverse and the traversing extension is locked in the center position ensuring the cross level locking knob is hand tight.

Note: Part of the white line on the buffer housing assembly must overlap the white line on the barrel.

13. The gunner removes the sight from the sight box and indexes a deflection of 3200 mils and an elevation of 1100 mils on the sight and places it in the dovetail slot of the bipod. He then levels the mortar for elevation and deflection. When the gunner is satisfied with the lay of the mortar, he announces "UP," and steps away from the mortar.

14. The mortar is now ready to be laid.

(Asterisks indicates a leader performance step.)

TASK MEASURES

1. Squad leader commanded, ACTION.
 2. The driver/ammunition bearer (first ammunition bearer) exited the carrier vehicle.
 3. The second ammunition bearer (first ammunition bearer) exited the armament vehicle.
 4. They unhooked the trailer from the vehicle and position.
 5. The assistant gunner exited the vehicle with the aiming posts.
 6. Ammunition bearers raised the trailer until the baseplate was resting on the ground.
 7. The gunner has exited the vehicle.
 8. The assistant gunner assumed his position on the right side of the mortar.
 9. With the gunner standing on the left and second ammunition bearer on the right, together they both grasped the traversing mechanism and bipod legs.
 10. The # 1 ammunition bearer moved the trailer to the point selected by the squad leader.
 11. The gunner unlocked the clamp handle assembly.
 12. The gunner retighten the clamp handle assembly until it "Clicks."
 13. The gunner removed the sight from the sight box and indexed a deflection of 3200 mils and an elevation of 1100 mils.
 14. The mortar was mounted and ready to be laid.
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Talk:

a.Orientation: The objective of this squad drill is to provide the squad with basic skills necessary to place the 120-mm mortar into action and be prepared to engage the enemy on command.

b.Safety: The squad must ensure that the mask and overhead clearance are sufficient.

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, driver, and ammunition bearers is required to do upon hearing the command to "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.

- (1) Unit vehicle and trailer
 - (2) 120-mm mortar
 - (3) Ammunition
 - (4) 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 conducting operations and the squad leader gives the command "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

Run:

a.Run-Through Instructions: The soldiers 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
	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
	071-11C-0201	Approved	Perform Safety Checks on a 120-mm Mortar
	071-11C-0204	Approved	Prepare 120-mm Mortar Ammunition for Firing
	071-11C-1000	Approved	Fire a Mortar
	071-11C-1001	Approved	Engage Targets with a 60-mm, 81-mm, or 120-mm Mortar Using Direct Lay
	071-11C-1006	Approved	Occupy a Mortar Firing Position by a Squad
	071-11C-1200	Approved	Occupy a Mortar Firing Position by a Section

Prerequisite Individual Tasks

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

Supporting Collective Tasks

Step ID	Task ID	Status	Title
	07-3-1360	Approved	Operate a Mortar Platoon by Split Sections(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-D9339	Approved	Fire a Mortar

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

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	