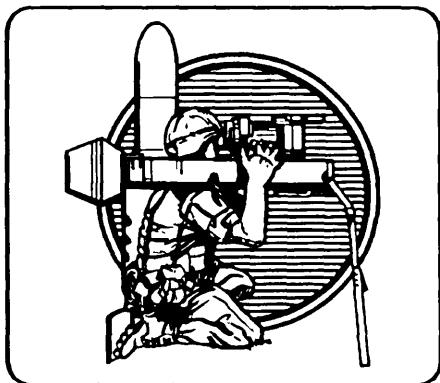


GUNNER QUALIFICATION AND SUSTAINMENT TRAINING PROGRAMS



This chapter provides units the guidelines for conducting training to qualify soldiers as Dragon gunners or assistant gunners. A recommended sustainment program is discussed that units should conduct for their qualified Dragon gunners. Training should progress into collective training for applicable MTPs and drill books.

Section I. GUNNER QUALIFICATION PROGRAM

8-1. QUALIFICATION REQUIREMENTS

Units can award the ASI of C2 to soldiers who successfully complete the qualification program IAW AR 600-200, paragraph 2-34a. Commanders verify each soldier has completed the requirements of this section and the following requirements:

- Pass performance test (Appendix B).
- Qualified with the LET (Chapters 7 and 8 and Appendix c).

NOTE: Units must provide a qualified instructor IAW

Chapters 6 and 7. They must allow enough training time for equipment orientation and limit LET firing exercises.

8-2. PROGRAM EXECUTION

This program is designed to be taught in 10 days. Many units may not be able to dedicate the needed

personnel and equipment assets for consecutive training. If so, the

schedule of events should be modified.

a. Negative results are achieved when the training schedule is shortened. Previous instruction review time must be planned at the start of each block. If the training is for a longer period, units consider the following to lengthen or shorten their gunner qualification program:

(1) Maintain quality of instruction. Each instructional period may need to begin with a review.

(2) Teach the tasks in a logical sequence.

(3) Maintain instructor continuity.

(4) Monitor soldier attendance.

b. To assist those units not able to dedicate the necessary personnel and equipment assets for 10 consecutive training days, the periods below are optional and can be deleted. However, should soldiers find difficulty in qualifying

with the LET during Dragon qualification firing, instructional firing must be reinstated.

(1) *Period 4:* Instructional firing.

(2) *Period 8:* Field firing.

(3) *Period 9:* Performance test review or practice.

(4) *Period 15:* Day and night advanced field tracking.

8-3. SKILL AND KNOWLEDGE REQUIREMENTS

Knowledge requirements contain the information that must be taught to the gunner during training. Skill requirements contain those skills that must be developed during training. Prerequisite abilities, skills, and information are assumed essential to mastery of the task. Training objectives are designed to train the gunner, using training devices to master the necessary skills and knowledge. A summary of the critical skill and knowledge requirements and training objectives for each task follows:

a. Task: Maintain a Medium Antitank Weapon.

(1) *Skills and knowledge:*

(a) No special skills are involved in any of the maintenance procedures.

(b) The gunner must conduct PMCS IAW TM 9-1425-484-10. The components that must be checked on the tactical system are visible to the gunner and reduce the difficulty of his task.

(c) Maintenance checks are restricted to cleanliness, physical damage to parts, proper functioning of controls, trigger mechanism,

coolant cartridge, battery gages, and the illuminated reticle on the night tracker. There is no sequence to these tasks until the actual operation of the night tracker.

(d) Maintenance actions are restricted to cleaning procedures and reporting damage to the gunner's supervisor. Special cleaning equipment for the tracker is supplied.

(2) *Training objective:* Perform a Before-Operation Check of the Medium Antitank Weapon System.

(a) Conditions: Given Dragon trackers, a simulated round of ammunition (FHT), cleaning materials, and TM 9-1425-484-10.

(b) Standards: Complete the before-operation checks of the Dragon trackers and simulated round of ammunition (FHT) IAW TM 9-1425-484-10. Correct or report any damage to the supervisor.

b. Task: Prepare a Medium Antitank Weapon for Firing.

(1) *Skills and knowledge:*

(a) To prepare the Dragon for firing involves about 10 steps. Completion of 1 step is the cue for the next step.

(b) The critical skill is to perform all steps quickly and efficiently. Also, the gunner ensures that the backblast area is clear, and he follows all other safety procedures for handling of the round.

(2) *Training objective:* Prepare the Round for Firing.

(a) Conditions: Given a Dragon tracker in the carrying bag or rucksack and a simulated round of ammunition (FHT) in the carrying configuration.

(b) Standards: Mate the tracker to the FHT IAW Chapter 7.

c. Task: Engage Targets With a Medium Antitank Weapon.

(1) *Skills and knowledge:*

(a) An understanding of how the Dragon functions and its firing capabilities and limitations are essential to this task. The four aspects of this task (firing posture, surveillance, target acquisition, and firing and tracking the target) have unique knowledge and skill

requirements. In combination, they present major challenges to the gunner and instructor.

(b) The position of the gunner's body and the relationship between the system and the gunner are critical to the engagement task. For each firing position (sitting, standing supported, kneeling), the gunner must assume the correct firing position as outlined in Chapter 7. The position of the gunner's legs differs for each position, but the goal is to obtain a stable position.

(c) The gunner must also know how to conduct surveillance of an area with both the day or night tracker to detect targets.

(d) Acquisition of the target requires knowledge and decision-making skills to determine whether a target should be engaged. For example, the gunner must answer such questions as:

- Is it friendly or Threat?
- Is it within range? If so, is it engageable?
- Will it move out of range or become nonengageable before a missile could impact?

(e) The gunner must know how to use the stadia lines to determine if the target is within range of the Dragon and whether it is otherwise engageable. Target detection, recognition, and identification skills are acquired for both optical and thermal images. The number of targets that a gunner must know varies with the threat that he is expected to fight. Since the critical cues for recognizing and identifying targets with optical and thermal images differ, the gunner must master two sets of cues. He must also

understand the nature of thermal images and how these images change as the temperatures of the target and the surrounding environment change.

(f) Five procedures or steps are required to fire and track the Dragon: ensure backblast area is clear, place cross hairs on center of mass, push in on safety plunger, pull down on the trigger lever, and maintain cross hairs on the center of mass as the missile goes downrange. The critical aspects of this task are the other requirements placed on the gunner before launch, during launch, and after launch.

- Before launch: The gunner maintains a firm interface between the eye and eye guard, removes slack from the biped, pulls down and rearward, and holds his breath. If the target is moving, the gunner leans in the direction in which the target is moving, so he can rotate to accurately track the target and engage from a stable position. For example, if the target is moving from left to right, the gunner leans to the right.
- During launch: The gunner allows for a 0.6-second delay in the launch of the missile after pressing the trigger. He avoids flinching as the missile leaves the tube and debris starts falling. The launch produces heat and a noise level corresponding to 178 decibels.

Ž After launch: The gunner maintains the initial aiming position even though the target is obscured for the initial two to three seconds of missile flight. During the target tracking process, the gunner should not

be distracted by the infrared source of the missile as it goes downrange. He holds his breath for the entire flight, maintains the eye firmly in the eye guard (should not blink), and lessens body movement. The gunner's body movement is directly transferred to the missile. The gunner can easily ground the missile because of the movement or can consume all thrusters to adjust the course of the missile, thereby having it fall short of the target.

(2) *Training objective:* Four training objectives are associated with training this task.

(a) Training objective 1: Demonstrate Firing Position.

- Conditions: Given FHT and a tracker prepared for firing.
- Standards: Assume a Dragon sitting position or standing supported position. Prepare to engage a target IAW Chapter 3.

NOTE: The gunner must acquire a proper sight picture.

(b) Training objective 2: Determine if a Target is Engageable.

- Conditions: Given a Dragon tracker mated to an FHT and three or more vehicles in and out of range in a field location.
- Standards: Determine if the three vehicles downrange are within range and if they can be engaged.

NOTE: Do not try to train this task using scaled targets and ranges.

(c) Training objective 3: Qualify With the Launch Effects Trainer.

Ž Conditions: Acting as the gunner, in the sitting and standing supported firing positions; using the LET and tracker (day or night), monitoring set against an M89 target set, and vehicles. See fire qualification tables (Table 7-1 and Appendix C).

- Standards: Each gunner must qualify as follows:
 - Scoring 16 hits out of 20 shots in the sitting position.
 - Scoring 16 hits out of 20 shots in the standing supported position.

(d) Training objective 4: Identify Armored Vehicles (Visually With Daysight).

Ž Conditions: In a garrison or field environment in which armored vehicles are visible in a tactical or a simulated tactical setting. Given a Dragon tracker mated to an FHT prepared for firing.

Ž Standards: Recognize 10 out of 10 vehicles as friendly or Threat IAW STP 21-1 -SMCT, Task Number, 878-924)-1002.

d. Task: Construct a Fighting Position for a Medium Antitank Weapon.

(1) *Skills and knowledge:* This task is based on the principles of constructing each fighting position with a few variations required because of the characteristics of the Dragon system. A critical factor is that the gunner must remember to prepare the position to reduce the target signature of the Dragon and to lessen danger to himself. Physical strength is required to construct the position.

(2) *Training objective:* Construct a Fighting Position for a Medium Antitank Weapon.

(a) Conditions: As part of an FTX or a larger yearly exercise, each Dragon gunner and team constructs a fighting position where local conditions permit such construction. Where local conditions ban construction, units may require gunners to draw a fighting position quarterly.

(b) Standards: The position is constructed IAW Chapter 3, to provide –

Ž Coverage of the assigned sectors of fire.

Ž **Room** for the gunner when firing and preparing another round.

Ž Cover and protection by natural or man-made parapets from small-arms fire.

- Concealment from observation so that the position cannot be detected 65 meters to the front.

e. Task: Prepare an Antiarmor Range Card.

(1) *Skills and knowledge:* The gunner must know all elements of the range card and understand the reason for each element represented on the card. Also, he must use the Iensatic compass, understand the concept of a 360-degree circle, have the mathematics skills necessary for computing back azimuths, estimate range without a map, and accurately represent terrain on the range card (dead space which is critical for the Dragon weapon system).

(2) *Training objective:* Prepare an antiarmor range card (Chapter 3).

(a) Conditions: Given DA Form 5517-R, pencil or pen, and compass, if applicable.

(b) Standards: Prepare an antiarmor range card (Chapter 3).

NOTE: The instructor provides the informational briefing in Chapter 3 to assist the gunner in preparing the range card.

f. **Task:** Perform Immediate-Action Procedures on a Medium Antitank Weapon.

(1) *Skills and knowledge:* The gunner must know the meaning of the terms malfunction, misfire, and hangfire, and understand the logic underlying immediate-action and decision-making procedures. He must perform these procedures under conditions of high stress where danger to himself and other squad or team members are imminent.

(2) *Training objective:* Perform Immediate-Action Procedures for a Dragon Hangfire or Misfire.

(a) Conditions: Given a Dragon tracker mounted on an FHT, prepared for firing and instruction that a failure to fire has occurred.

(b) Standards: Within one minute, perform immediate-action procedures IAW Chapter 4.

g. Task: Perform Emergency Destruction Procedures for a Medium Antitank Weapon.

(1) *Skills and knowledge:*

(a) Know the priority with which the system components should be destroyed: tracker, then round, unless the unit SOP indicates otherwise. If possible, fire the missile at the enemy before destroying the tracker.

(b) Know the possible methods of destroying the Dragon trackers.

- Use a double-primed explosive charge of at least 1/2 pound.
- Use small-arms fire from rifles and grenades, and aim for critical parts such as the optics, trigger assembly, and electronics package.
- Use mechanical means of destruction such as smashing the trackers or driving over them.
- Burn the debris after the most damage has been done by other means.

WARNING: Do not use small-arms fire or mechanical means (such as smashing it) to destroy the round.

(c) Know the possible methods of destroying the Dragon round.

Ž Fire it at the enemy.

- Use 1/2 pound of explosive charge close to the warhead.

(2) *Training objective:* Explain Emergency Destruction Procedures on a Dragon.

(a) *Conditions:* Given a simulated situation in which capture is imminent, and an order to destroy the tracker and rounds of ammunition.

(b) *Standards:* Give the priority of destruction for the Dragon components. Explain the methods of destruction for the weapon system components and ammunition.

h. Task Carry a Medium Antitank Weapon.

(1) *Skills and knowledge:* The gunner must know the different ways of carrying the system, including mated and unassembled configurations and his unit's SOP. He must also know when each carrying configuration is appropriate. The gunner must know safety procedures for carrying the round; that is, to keep the missile pointed downrange in training situations and toward the Threat in combat. He must have the physical strength and stamina to carry the system and have quickly developed skills to maneuver with the system. He must also learn which carrying positions are best for him.

(2) *Training objective:* Carry the medium antitank weapon.

i. Task Restore a Medium Antitank Weapon to Carrying Configuration.

(1) *Skills and knowledge:* The steps in this task are the reverse process of preparing the round for firing. No other information or skills is required.

(2) *Training objective:* None.

j. Task Mount and Dismount for Mechanized units only.

(1) *Skills and knowledge for the Dragon gunner:* Some Dragon gunner requirements are unique to the mechanized infantry. These units have two added pieces of Dragon equipment: the M175 mount and the VPC.

(2) *Training objective.* The M175 guided missile launcher mount provides a stable platform for firing the Dragon missile from the M113 (APC) and the M3 or M122 machine gun tripod. The VPC is installed in an APC to provide power for the Dragon night tracker in place of the externally mounted battery.

- Install and remove the M175 mount.
- Attach both the day and the night tracker.
- Connect the AN/TAS-5 to the VPC.
- Operate the VPC.
- Reload from the M175 mount.
- Install the M175 mount on the M3 and M122 machine gun tripods.

The gunner must also know the correct firing position from within the M113, how to use the M175 mount when firing, additional safety precautions when firing from an M113, and the correct firing positions from the M3 and M122 tripods.

8-4. SUGGESTED SEQUENCE OF TIME AND EVENTS

The following is a suggested sequence of training periods.

a. **First Period.** Orientation on Dragon weapon system—four hours.

(1) *Lesson outline.*

(a) Introduce and explain the Dragon weapon system components and the function of each.

- Tracker.
- Round.
- Preparation of the round for firing

(b) Introduce and explain the Dragon training equipment and the function of each.

Ž Monitor set.

- LET.

Ž Target set, M89.

- FHT.
- LES.

(c) Demonstrate and explain Dragon firing positions.

Ž Sitting.

- Standing supported.
- Kneeling.
- Prone.

(d) Conduct practical exercise.

NOTE: Instructors must refer to Chapter 7 and Appendix C for the correct procedures each gunner should practice.

(2) *Administrative requirements.*

(a) References: Chapters 4,6, and 7; Appendix C; TM 9-6920-484-12; NAVTRADEV P-6054; and TM 9-5855-254-14-HR.

(b) Facilities: A suitable outdoor site to conduct the practical exercise.

(c) Training aids and equipment: For every four soldiers, one each of the following: FHT, LET or LES, monitoring set, and tracker.

b. **Second Period.** Instructional firing – four hours.

(1) *Lesson outline.*

(a) Establish firing line.

(b) Conduct instructional firing (Table 7-1).

(2) *Administrative requirements.*

(a) References: Chapter 3, 6, 7; Appendix C; TM 9-6920-484-12; TM 9-5855-254-14-HR; and CTA 50-970.

(b) Facilities: Tracking range.

(c) Training aids and equipment: One M89 target set with target vehicle. For every four soldiers, one each of the following monitoring set, LET, and tracker (day or night).

(d) Ammunition: 40 grenade cartridges, M64, for each soldier.

NOTE: During all firing, soldiers should practice the correct performance of tasks to prepare for the performance test.

c. **Third Period.** Tank identification and target engage ability -four hours.

(1) *Lesson outline.*

(a) Identify armored vehicles.

(b) Determine if a target is engageable.

(c) Conduct practical exercises on tank identification and target engageability

(2) *Administrative requirements.*

(a) References: Chapter 3, TM 9-1425-484-10, TM 9-6920-484-12, TM 9-5855-254-14-HR, CTA 50-970, and STP 21-24-SMCT.

(b) Facilities: A tracking range or other site suitable to conduct practical exercise.

(c) Training aids and equipment: LETs or FHTs, trackers (day or night), 1:35-scale vehicles, GTA 17-2-13, and Dragon sight reticle.

(d) Ammunition: None

d. **Fourth Period.** Instructional firing– four hours.

(1) *Lesson outline.*

(a) Establish firing line.

(b) Conduct instructional firing IAW Chapter 7.

(2) *Administrative requirements.*

(a) References: Same as Second Period.

(b) Facilities: Tracking range.

(c) Training aids and equipment: See Second Period.

(d) Ammunition: 40 grenade cartridges, M64, for each soldier.

e. **Fifth Period.** Perform misfire procedures on a medium antitank weapon and emergency decontamination and destruction procedures – two hours.

(1) *Lesson outline.*

(a) Conduct a preoperational inspection of the components.

- Tracker (day and night).

- Round.

(b) Demonstrate immediate-action procedures.

- Hangfire procedure,

- Misfire procedure.

(c) Demonstrate emergency decontamination procedures on a Dragon.

(d) Demonstrate emergency destruction procedures on a Dragon.

(e) Conduct practical exercise.

(2) *Administrative requirements.*

(a) References: Chapter 4, Appendix D, TM 9-1425-484-10, TM 9-6920-484-12, and TM 9-5855-254-14-HR.

(b) Facilities: A site suitable to conduct practical exercise.

(c) Training aids and equipment: FHT, tracker, Dragon cleaning kit, decontaminating kit, canteen of water, and soap and rags for every four soldiers.

(d) Ammunition: None.

f. Sixth Period. (Mandatory) Field firing – six hours.

(1) *Lesson outline.*

(a) Establish a firing line.

(b) Conduct instructional firing (Chapter 7 and Appendix C).

(2) *Administrative requirements.*

(a) References: Same as Second Period.

(b) Facilities: Training range.

(c) Training aids and equipment: M89 target set with target vehicle and one each of the following for every four soldiers: monitoring set, LET or LES, and tracker.

(d) Ammunition:

Ž LET firing 35 grenade cartridges, M64, for each soldier.

- Ten LES end caps for each soldier.

- NOTE: Ensure that there is enough oxygen and MAPP gas for all soldiers to fire.

g. Seventh Period. Construct range cards and fighting positions — four hours.

(1) *Lesson Outline.*

(a) Prepare an antiarmor range card.

(b) Prepare a Dragon fighting position.

(2) *Administrative requirements.*

(a) References: Chapter 3, TM 9-1425-484-10, TM 9-6920-484-12, and TM 9-5855-254-14-HR.

(b) Facilities: An area suitable to conduct a practical exercise.

(c) Training aids and equipment: Enough trackers, FHTs, or LETs or LESs to do the exercises and charts showing the Dragon range card and Dragon fighting position.

(d) Ammunition: None.

h. **Eighth Period.** Field firing – four hours.

(1) *Lesson outline.*

(a) Establish firing line.

(b) Conduct instructional firing (Chapter 7) with mixed positions.

(2) *Administrative requirements.*

(a) References: This manual, TM 9-1425-484-10, TM 9-6920-484-12, TM 9-5855 -254-14-HR, and CTA 50-970.

(b) Facilities: Tracking range.

(c) Training aids and equipment: See Second Period.

(d) Ammunition: 40 grenade cartridges, M64, for each soldier.

i. **Ninth Period.** Performance test review or practice — four hours.

(1) *Lesson outline.*

(a) Introduce test procedures.

(b) Review test standards.

(c) Conduct practical exercise, and test on training objectives and or tasks.

(2) *Administrative requirements.*

(a) References: This manual, TM 9-1425-484-10, TM 9-6920-484-12, TM 9-5855-254-14-HR, and CTA 50-970.

(b) Facilities: A site suitable to conduct the performance test.

(c) Training aids and equipment: Range cards, 1:35-scale tanks, and a chart of Dragon fighting positions; one each of the following for every four soldiers: tracker (day or night), LET or LES, and monitoring set.

(d) Ammunition: None.

j. **Tenth Period.** Dragon qualification firing — four hours.

(1) *Lesson outline.*

(a) Establish the firing line.

(b) Conduct qualification firing (Table 7-1 and Appendix C).

(2) *Administrative requirements.*

(a) References: This manual, TM 9-1425-484-10, TM 9-6920-484-12, TM 9-5855-254-14-HR, and CTA 50-970.

(b) Facilities: Tracking range.

(c) Training aids and equipment: See Second Period.

(d) Ammunition: 40 grenade cartridges, M64, for each soldier.

k. **Eleventh Period.** Performance testing – four hours.

(1) *Lesson outline.*

(a) Test soldiers on the following training objectives:

- Before-operation PMCS.
- Preparation of the round for firing.
- Firing positions.

- Immediate action.
 - Identification of armored vehicles.
 - Target engageability.
 - Ž Dragon fighting positions.
 - Ž Dragon range cards.
 - Decontamination procedures.
 - Destruction procedures.
- (b) Conduct soldier critique concurrently.
- (2) *Administrative requirements.*
- (a) References: TM 9-1425-484-10, TM 9-6920-484-12, TM 9-5855-254-14-HR, and CTA 50-970.
- (b) Facilities: Tracking range.
- (c) Training aids and equipment. See Second Period.
- (d) Ammunition: None.
- (e) See Appendix B for evaluation guides.

l. Twelfth Period. Dragon qualification firing – four hours.

- (1) *Lesson outline.*
- (a) Establish the firing line.
- (b) Conduct qualification firing (Chapter 7 and Appendix C) standing supported position.
- (2) *Administrative requirements.*
- (a) References: This manual, TM 9-1425-484-10, TM 9-6920-484-12, TM 9-5855 -254-14-HR, and CTA 50-970.
- (b) Facilities: Tracking range.
- (c) Training aids and equipment: See Second Period.
- (d) Ammunition: 40 grenade cartridges, M64, for each soldier.

m. Thirteenth Period. Orientation on Dragon maintenance—four hours.

- (1) *Lesson outline.* Introduce and explain maintenance on the Dragon components and training equipment.
- Ž Tracker.
 - Round.
 - Monitoring set.
 - Ž LET.
 - Ž Target set, M89.
 - Ž FHT.
 - Ž LES.
 - Night tracker (AN/TAS-5).
 - Mount, M175.

(2) *Administrative requirements.*

- (a) References: TM 9-1425-48-4-10, TM 9-6920-484-12, NAVTRADEV P-6054, and TM 9-5855-254-14-HR.
- (b) Facilities: A site suitable to conduct a class or tracking range.
- (c) Training aids and equipment: Day tracker, round, M89 target set, LET or LES, monitoring set, and FHT; one each of the following for every four soldiers: M175 mount and night tracker (AN/TAS-5).
- (d) Ammunition: None.

n. Fourteenth Period. Retest performance test and or refire qualification – four hours.

- (1) *Lesson outline.*
- (a) Introduce test procedures.
- (b) Review test standards.
- (c) Conduct test.
- (d) Perform soldier critiques.
- (e) Establish firing line.

(f) Conduct Dragon qualification refire.

(2) *Administrative requirements.*

- (a) References: TM 9-1425-484-10, TM 9-6920-484-12, TM 9-5855-254-14-FIR, and CTA 50-970.
- (b) Facilities: A site suitable to conduct the performance test or a tracking range.
- (c) Training aids and equipment: See Second Period.
- (d) Ammunition: 20 grenade cartridges, M64, for each soldier per table being retested.
- o. Fifteenth Period. Day and night advanced field tracking—four hours.

(1) *Lesson outline.*

- (a) Explain the purpose of the exercise.
- Ž Place the gunner in simulated battlefield conditions.
 - Ž Build the gunner’s confidence in the weapons system.
 - Ž Allow the gunner to practice sighting, firing, and tracking to improve his concentration.
 - Require the gunner to make engageability decisions.
 - Ž Present the gunner with multiple target engagements.
- (b) Conduct daylight advanced tracking exercise (two hours).
- Ž Target vehicles should be uncooperative; for example, constantly changing speed, direction, angle of attack, and exposure time. Target vehicles should operate in pairs and teams as well as alone. They should move out of range and

back into range so that the gunner can acquire experience to determine if a target can be engaged. Target vehicles can reduce exposure time by halting at covered areas, traveling covered routes between firing positions, and firing from hull-down positions.

- Both the gunner's position and target area should be subjected to intermittent obscuration by use of smoke grenades or smoke pots. The gunner should be subjected to battlefield noises from artillery and hand grenade

simulators. Target vehicles should be provided with smoke capability and weapons simulators, if available.

(2) *Administrative requirements.*

(a) References: This manual.

(b) Facilities: Afield tracking area at least 500 meters wide and greater than 1,000 meters deep. It should contain hills and valleys, dead space, areas offering concealment, and prepared fighting positions.

(c) Training aids and equipment: Tactical vehicles with MILES equipment to act as targets

(preferably M-1 M60-series tank or M2/M113 APC), AN/PRC-77 radios, and bullhorn; and one MILES Dragon for every four soldiers.

(d) Ammunition.

- Enough smoke pots, smoke grenades, and artillery simulators to simulate battlefield conditions.
- Fifteen ATWESS cartridges for each soldier (to simulate noise effect).

TOTAL: 60 hours.

Section II. SUSTAINMENT TRAINING PROGRAM

Unit commanders receive qualified gunners either from the United States Army Infantry School or from a unit-conducted training program

(Section I). Completing either of these basic training programs does not complete gunner training. Each gunner must have sustainment

training because gunner tracking skills quickly degrade.

8-5. GUNNER SUSTAINMENT TRAINING

Gunner sustainment is conducted monthly, quarterly, or annually.

a. Monthly sustainment training consists of the gunner firing one 20-shot table and as many hands-on tasks as time allows. The next month, the gunner fires one 20-shot table and the hands-on tasks not performed the previous month. Monthly sustainment only occurs eight times a year. The other four months are used for gunner qualification/verification.

b. Each quarter, the gunner must have time allotted to fire two firing tables and complete the hands-on tasks. If the gunner should fail to qualify/verify in the allotted time, more time must be allocated for makeup qualification or hands-on testing. Gunners are allowed three tries to qualify/verify.

c. The commander should schedule an annual live-fire exercise after the gunners complete one of the quarterly qualification/verification tests. This live-fire exercise is the real

test of gunner training. While some units may receive more missile(s) than others, commanders must ensure that the missile(s) are fired by qualified Dragon gunners.

d. A soldier should not be allowed to fire a live missile if he has not qualified with the LET and or fired the LES within the last month. The matrix in Table 8-1 identifies the specific tasks and subjects that must be performed by all Dragon gunners and assistant gunners.

SUBJECT	TNG FREQ	TIME	REMARKS
MAINTAIN AN M47 MEDIUM ANTITANK WEAPON	MQ	10 min	Practical Exercise
PREPARE AN M47 MEDIUM ANTITANK WEAPON FOR FIRING	MQ	30 sec	Practical Exercise
ENGAGE TARGETS WITH AN M47 MEDIUM ANTITANK WEAPON	MQ	8 to 16 hrs	Practical Exercise
PERFORM MISFIRE PROCEDURES ON AN M47 MEDIUM ANTITANK WEAPON	MQ	15 min	Practical Exercise
RESTORE AN M47 MEDIUM ANTITANK WEAPON TO CARRYING CONFIGURATION	MQ	5 min	Practical Exercise
PREPARE AN ANTIARMOR RANGE CARD	MQ	15 min	Practical Exercise
RECOGNIZE FRIENDLY AND THREAT ARMORED VEHICLES AND AIRCRAFT	MQ	15 min	Practical Exercise
CONSTRUCT A FIGHTING POSITION FOR AN M47 MEDIUM ANTITANK WEAPON	MQ	NA	Perform in conjunction with ARTEP or FTX
EXPLAIN EMERGENCY DECONTAMINATION PROCEDURES FOR AN M47 MEDIUM ANTITANK WEAPON	MQ	10 min	Oral Presentation
EXPLAIN EMERGENCY DESTRUCTION PROCEDURES FOR AN M47 MEDIUM ANTITANK WEAPON	MQ	10 min	Oral Presentation
FIELD SUSTAINMENT TRAINING	M	4 hrs	Practical Exercise
M - Monthly Q - Quarterly			

Table 8-1. Training tasks for Dragon gunners and assistant gunners.

8-6. COLLECTIVE TRAINING

Training with the Dragon/MILES is an excellent means of keeping a gunner's engagement skills sharp (Table 8-2). MILES is not a gunnery trainer and should not be used in place of the sustainment training.

SEQUENCE	FREQUENCY: TIME/YEAR	HOW
SQUAD, PLATOON, OR COMPANY FYX	4	MILES
BATTALION FTX	2	MILES
PLATOON/COMPANY MOUT EXERCISE	1	MILES
SQUAD, PLATOON LFX	2	MILES/LTIDs
EXTERNALLY EVALUATED BATTALION MTP	1	MILES

Table 8-2. MILES training program.