

UNITED STATES ARMY AIR DEFENSE ARTILLERY SCHOOL

FORT SILL, OKALHOMA 73501

AVENGER MASTER GUNNER COURSE

STUDENT GUIDE

EFFECTIVE: 1 February 2010

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DEPARTMENT OF THE ARMY

C Battery, 2<sup>nd</sup> Battalion, 6<sup>th</sup> Air Defense Artillery Regiment

U.S. Army Air Defense Artillery School

Fort Sill, Oklahoma 73503

SUBJECT: WELCOME LETTER

26 January 2010

MASTER GUNNERS:

Welcome to the United States Fires Center of Excellence Army Air Defense Artillery School, Ft. Sill, OK, and congratulations on your selection to attend the Avenger Master Gunner (AMG) course. To attend the Avenger Master Gunner course is a privilege and speaks volumes of your performance as an NCO and highlights you're potential to be a valuable asset to the unit as an Avenger Master Gunner.

The AMG course is designed to teach Air Defense Artillery Noncommissioned Officers gunnery methodology. The acquired skills and knowledge allows the NCO to function as the unit's master of gunnery and the commander's gunnery technical advisor. He will be able to assist commanders at all echelons in the planning, development, execution, and evaluation of all Avenger related training.

This course has no challenges or obstacles unattainable to students. The curriculum consists of three phases; weapon system operational knowledge, training aids, and range operations.

Cadre here at the AMG course is prepared to assist you in completing your course. We are devoted to the success of your training and will assist you in every way possible.

Further assistance can be obtained by visiting the Avenger Master Gunner homepage at: <https://www.us.army.mil/suite/page/628311>.

Review and ensure you are in compliance with the prerequisites for this course and have all items on the packing list.

Direct all questions to SSG Richardson, AMG Senior Instructor at (580) 558-5057.

"SET THE STANDARD!"

AMG Senior Instructor  
Avenger Master Gunner Course, Ft. Sill, OK

DEPARTMENT OF THE ARMY  
C Battery, 2<sup>nd</sup> Battalion, 6<sup>th</sup> Air Defense Artillery Regiment  
U.S. Army Air Defense Artillery School  
Fort Sill, Oklahoma 73503

ATSA-TPY-C

2 February 2010

MEMORANDUM FOR DISTRIBUTION

**SUBJECT:** Soldiers removed from the Avenger Master Gunner (AMG) course before completion

1. Soldiers can be removed from Avenger Master Gunner course by the commander, 2-6 ADA before course completion due to lack of required clothing and equipment (TA-50) that must be in the possession of the soldier when reporting for the course. Additionally all documentation must be turned in at in-processing on Day 0.
2. 350-1, Appendix B States “ All equipment will be cleaned and serviceable” ACUs will not be faded or have a “cook white” effect. Non Commissioned Officers set the standard. AADASCH Circular 350-1, Appendix B States “ All equipment will be cleaned and serviceable” ACUs will not be faded or have a “cook white” effect. Non Commissioned Officers set the standard. You are the Backbone of the Army and I expect nothing less during your attendance at this course.
3. Disciplinary reasons not limited to conduct on and off duty will results in dismissal from the course and the student’s chain of command will notified by the undersigned prior to the student’s return to home station. Failing to achieve course standard two times on the same examination will result in dismissal from the course as an academic failure.

4. AR 351-1, page 57, paragraph 3-14: States “On occasion, certain students must be dismissed from courses for other than academic reasons in order that Army training institutions can conduct efficient training. One example would be if the student must take emergency leave and misses to many hours of academic training.

5. Failure to comply with required clothing documents and equipment requirements could result in a student dismissal from the AMG course 72 hours of the reporting period.

“Set The Standard”

KYLE J. FOLEY

LTC, AD

Commanding

# Noncommissioned Officers Creed

No one is more professional than I. I am a Noncommissioned Officer, a leader of soldiers. As a Noncommissioned Officer, I realize that I am a member of a time honored corps, which is known as "The Backbone of the Army". I am proud of the Corps of Noncommissioned Officers and will at all times conduct myself so as to bring credit upon the Corps, the Military Service and my country regardless of the situation in which I find myself. I will not use my grade or position to attain pleasure, profit, or personal safety.

Competence is my watchword. My two basic responsibilities will always be uppermost in my mind -- accomplishment of my mission and the welfare of my soldiers. I will strive to remain tactically and technically proficient. I am aware of my role as a Noncommissioned Officer. I will fulfill my responsibilities inherent in that role. All soldiers are entitled to outstanding leadership; I will provide that leadership. I know my soldiers and I will always place their needs above my own. I will communicate consistently with my soldiers and never leave them uninformed. I will be fair and impartial when recommending both rewards and punishment.

Officers of my unit will have maximum time to accomplish their duties; they will not have to accomplish mine. I will earn their respect and confidence as well as that of my soldiers. I will be loyal to those with whom I serve; seniors, peers, and subordinates alike. I will exercise initiative by taking appropriate action in the absence of orders. I will not compromise my integrity, nor my moral courage. I will not forget, nor will I allow my comrades to forget that we are professionals, Noncommissioned Officers, leaders!

# SOLDIER'S CREED

I am an American Soldier.

I am a Warrior and member of a team. I serve the people of the United States and live the Army Values.

I will always place the mission first.

I will never accept defeat.

I will never quit.

I will never leave a fallen comrade.

I am disciplined,. Physically and mentally tough, trained and proficient in my warrior tasks and drills. I always maintain my arms, my equipment and myself.

I am an expert and I am a professional.

I stand ready to deploy, engage, and destroy the enemies of the United States of America in close combat.

I am guardian of freedom and the American way of life.

I am an American Soldier.

## **Section I**

### **Pre-Arrival Requirements**

#### **1. Obtain and read the student guide:**

a. The student guide provides assistance to incoming students in understanding the AMG course policies and requirements before they arrive. Each policy or guideline has been established based on past experiences of AMG students and the course cadre.

b. Upon your notification of selection to attend the Avenger Master Gunner Course, visit your S-3. They will provide you with a current AMG student guide. Do not settle for a copy of the packing list or “Word of mouth”. You are required to be familiar with the entire contents of the student guide prior to your arrival at the school.

c. If you are properly prepared prior to your arrival at the school and adhere to the requirements and policies outlined in this student guide, your stay here will be a very rewarding experience.

## Section II

### Arriving at the AMG Course

1. **Orders:** Your TDY orders must attach you to the United States Army Avenger Master Gunner Course for administration and UCMJ purpose. If you desire a leave or pass while enroute to or from the course, your orders must reflect that fact. You must have at least 5 copies of your TDY orders (DA Form 1610) upon arrival at the school.

2. **Documents required for in-processing:**

a. Unit Pre-execution Checklist. If this form is not present or it is not filled out properly; the student will have 72 hours to get it completed. If the student fails to accomplish this, he/she will be administratively dropped resulting in a DA Form 1059 being generated which reflects an administrative drop form course.

b. DA Form 1610-5 copies

c. A copy of your ERB.

d. A copy of DA Form 705 (PT Test), DA Form 5501 (Body Fat Content Worksheet) as appropriate, not to exceed 30 days from start date.

e. A copy of DA Form 348 (Diver's Qualification), DA Form 5984-E (Operator's Permit).

f. Verification of security clearance (minimum: Secret).

g. If you are 40 years old or older, you must have a physical date from SF 88 or DD Form 280-8 on the pre-execution checklist, Part II in the operator license information block write "current physical: YYMMDD".

h. Permanent profile attendees must have a copy of MRB results stating they "have been allowed to retain present MOS", DA Form 3349 signed by their commander and have an Army doctor approved alternate aerobic event for APFT (if applicable).

**NOTE:** Items b through g **MUST** be presents upon arrival or the student will not be enrolled.

**3. Arriving by POV or commercial transportation:** If you arrive via commercial means, take a taxi to the Fort Sill Billeting Office, building 5676 Aultman Hall, 580-442-5000

If you arrive via POV:

**a. From the North/East/Oklahoma City:**

Take Interstate 44 West. Take Exit 41 (Key Gate) and turn right at the bottom of the ramp. After you go through Key Gate, proceed to the first traffic light (Geronimo Road). Turn left at this light and proceed about one-half mile until you get to Fergusson Road. Turn right on Fergusson Road and proceed to second high-rise building on the right.

**b. From the South/West/Dallas:**

Once you get into Oklahoma, take Interstate 44 East. Take Exit 41 (Key Gate) and turn left at end of ramp. After you go under Interstate 44 and through Key Gate, proceed to the first traffic light (Geronimo Road). Turn left at this light and proceed about one-half mile until you get to Fergusson Road. Turn right on Fergusson Road and proceed to second high-rise building on the right.

**c. From Lawton Airport:**

At Airport Exit, turn left on Fort Sill Boulevard/11th Street. Proceed on Fort Sill Boulevard until you come to Scott Gate. Enter Scott Gate and continue on Fort Sill Boulevard until you reach Sheridan Road (two traffic lights). At Sheridan Road, turn right and proceed to the first traffic light (Condon Road). Turn right on Condon Road and proceed about one-half mile until you get to Fergusson Road. Turn left on Fergusson Road and proceed to first high-rise building on the left.

4. **Reporting and In processing:**

a. Normally, reporting and in processing at the AMG course is quick and easy . If you read and respond to those items in this student guide, there will be minimum delay and stress upon your arrival. Please review the information in this section and prepare those items that will assist you and the cadre during the in processing phase.

b. All personnel will report to building 2765 1<sup>st</sup> floor, in ACU's with Kevlar and LBE. Students are to report no later than 0600 hours on the report date with all the required documents.

5. **Uniforms:** The duty uniform is ACUs. You must bring the Army standard Physical Fitness Uniform or the Improved Army Physical Fitness Uniform. (See list below):

**PACKING LIST FOR AVENGER MASTER GUNNER COURSE**

Items such as ACU uniform, boots, ACU Gortex, seasonal PT uniform, beret, yellow reflective belt are require:

TA-50:

Bags to carry TM's

3 Ring Binders (five, 3inch ring binders)

CD-RW (Must Be RW)

Helmet, Kevlar (1) or (ACH)

Cover, Helmet Kevlar (1)

IBA With Plates

Bag, Sleeping (1)

Camelback

Field Gear

Trousers, Wet Weather (1) (Gortex may be substituted) Parka, Wet Weather (1) (Gortex may be substituted)

Notebook

**7. Dining Facility:** Rations are not available. You will pay for your meals if you eat in the dining facility. The school does not issue meal cards.

**8. Pay:** It is important you make arrangements to receive your normal pay during your TDY period. You should have drawn maximum pay before leaving your duty station. You must receive your full advance at your permanent duty station. If you do not receive a Government Credit card, your DD Form 1610 must state that you did not receive one. Your expense will only be reimbursed when paid for on Government Credit Card. Have your unit Government Card Representative notify the issuing bank you will be TDY or they will stop the use of your card while you are the school.

**9. Emergency Phone Numbers:** Should an emergency occur during your stay, you can be contacted during duty hours (0700-1700) at:

**DSN: 639-5078/5075/5064 or Commercial: (580)558-5078/5057/5064**

**Non-duty hours: DSN: 639-0790 or Commercial: (580)558-0790**

**11. Privately Owned Vehicles (POVs):** Students driving POVs are required to have in their possession, proof of registration, insurance, and valid operator license. Those documents must be current and valid through graduation. POVs must be secured and the Army Physical Security Program will be adhered to at all times.

**12. Privately owned Weapons:**

a. Students attending the AMG course are not authorized to utilize or store owned weapons in the BEQ. Weapons will not be transported to or in possession of the student while attending this course.

b. Illegal possessions of guns, knives, clubs martial arts devices or nightsticks are strictly prohibited at the Avenger Master Gunner Course and will result in dismissal.

**13. Telephone Usage:** Military phones located in the offices are for official use only.

**14. Public Transportation:** Fort Sill has taxi service serving the post and Lawton area. Lawton city buses operate from main post to different areas of Lawton.

## Section III

### Student Requirements

#### 1. Conduct and Discipline:

a. **Formations:** You will be notified of all formations (time and place). Formations are conducted per FM 22-5 and FM 21-20. There will be no horse playing or unmilitary conduct in or out of formation.

b. **Personal Appearance:** Uniform will be worn per AR 670-1. Ensure you know and comply with this regulation.

c. **Student Conduct:** Consumption of alcohol is prohibited while on duty. Any alcohol related incidents or misconduct will result in dismissal from the course in addition to any UCMJ actions. Students will follow all directions given by AMG Cadre and respect of any type will not be tolerated.

#### 2. Honor System:

a. The honor system for the Avenger Master Gunner Course (AMG) does not stop with integrity and honor. It applies to the observance and adherence to the policies and procedures set forth by the instructors and student guide. To knowingly violate a policy or procedure, whether or not it is discovered, is a discredit to your integrity as an NCO. It is your responsibility as a student, to immediately report any violations of the honor system through the chain of command.

b. Honor is the guiding principle of every endeavor involving the profession of the Army. Integrity; also describe as absolute honesty, is a basic attribute demanded of every NCO. This personal quality requires that you do not shirk your responsibilities or fail to identify substandard performance. Lying, cheating, stealing or not reporting violations to policies will be grounds for dismissal from the course.

### **3. Physical Training and Weight Control:**

a. The AMG course is dedicated in the Army's effort to maintain a true fighting force. Physical training is geared to the age and physical abilities of the student. It is designed to assist the student to improve or maintain his/her physical well-being. If you do not meet AR 600-9 standards you will be denied enrollment and immediately sent back to your unit of assignment.

## **Section IV**

### **Course Conduct**

The AMG course is conducted in three phases. Initially you will be given a pre-test that include AVR, VACR, operations and maintenance of the machine gun, load and unload procedures, machine gun checks & adjustments and emergency procedures. Phase one covers Avenger operations and maintenance. Phase two covers training aids and phase three covers range operations. At the completion of the course, students will receive a complete DA Form 1059

## **Section V**

### **Estimated Cost Sheet**

Student can expect to incur the expenses while attending the Avenger Master Gunner Course:

1. T-shirts \$11.00 (approximately)
2. Again, funding for meals, billeting, and or rental car are directed by the Joint Travel Federal Regulation (JTFR). Additional supplies for the class and off duty fulfillment are at the expense of the student.

## **Section VI**

### **Testing Procedures**

Students failing a retest for a primary examination will be considered for dismissal from the course. Receiving a first time “No-Go” on three or more primary examinations will result in a final AER rating of “Marginally Achieved Course Standards.”

**1. Physical Fitness Testing Procedures/Standards:** Students must also complete all AMG Chief instructor and school runs in formation unless they have a valid profile. If you fail to do so, you may forfeit any recognition you may be eligible for upon graduation.

**2. Performance Summary:**

- a. The “whole soldier” concept will be utilized for completion of the DA Form 1059.

b. The Avenger Master Gunner Course is a functional course and is based on a GO/NO-GO standard, however retesting on three of the primary exams will result in a Marginally Achieved course standards on the DA Form 1059.

## **Section VII**

### **Suggested Read Ahead List**

We recommend you read the following references prior to attending the AMG Course. The Avenger Master Gunners cadre will provide the manuals.

We recommend you read the following reference prior to attending the AMG Course.

AR 385-62 Regulations for Firing Guided Missiles and Heavy Rockets for Training, Target Practice, and Combat

AR 385-63 Policies and Procedure for Firing Ammunition for Training, Target Practice, and Combat

ARTEP 44-117-21-Drill Drills for the Avenger Team

ARTEP 44-117-22-MTP Mission Training Plan for the Avenger Platoon

DA Pam 350-38 Standards in Weapon Training

DA Pam 738-750 Functional Users Manual for the Army Maintenance Management System  
(TAMMS)

FM 1-402 Aviators Recognition Manual (This is a must for Armored Vehicle Recognition)

FM 21-20 Physical Fitness Training

FM 21-26 Map Reading and Land Navigation

FM 23-1 Bradley Gunnery

FM 23-65 Browning Machine Gun Caliber .50 HB, M2

FM 44-18-1 Stinger Team Operations

FM 44-80 Aircraft Recognition

LO 9-1425-433-12 Lubrication Order for Guided Missile Battery Control Vehicle Mounted  
Avenger Air Defense Weapon System

TB 11-7010-304-10 Operator's Manual, Platoon Command Post, Section Command Post, and  
Fire Unit Subsystems Using Handheld Terminal Unit, AN/PSG-8(V)2 with Forward Area Air  
Defense Command, Control and Intelligence (FAAD C2 I) System

TC 25-8 Training Ranges

TM 9-1005-433-24&P Organizational, DirectSupport, and General Support Maintenance Manual Including Repair Parts and Special Tools List for Machine Gun, .50 Caliber, M3P used on Avenger Air Defense Weapon System

TM 9-1425-429-12 Operator's and Organizational Maintenance Manual for the Stinger Guided Missile System

TM 9-1425-433-BD Battlefield Damage Assessment and Repair for the Guided Missile Battery Control Central, Vehicle Mounted, Avenger Air Defense Weapon System

TM 9-1425-433-10 w/ch 1-3 Operator's Manual for Guided Missile Battery Control Central, Vehicle Mounted, Avenger Air Defense System

TM 9-1440-433-24-1 On equipment Maintenance Guided Missile Battery Control Central Vehicle Mounted: Avenger Weapon System

TM 9-1440-433-24-2 On equipment Maintenance Guided Missile Battery Control Central Vehicle Mounted: Avenger Weapon System

TM 9-1440-434-24&P Organizational, Direct Support, and General Support Maintenance Manual Including Repair Parts and Special Tools List for Launcher, Guided Missile, Vehicle Mounted: XM294

TM 9-1450-1431-14&P Operation and Maintenance Instruction with Illustrated Parts Breakdown Field Level: Guided Missile Coolant Recharge Unit GCU-31 A/E

TM 9-6920-429-12 Operator's and Organizational Maintenance Manual for the Training Set, Stinger Guided Missile System

TM 9-6920-442-14&P Operator, Organizational, Direct Support, and General Support Maintenance Manual Including Repair Parts and Special Tools List to Include Depot Level Repair Parts for Target Holding Mechanism, Tank Gunnery (THM/TG)

TM 11-5825-283-10 Operator's Manual for the Enhanced Position Location Reporting System (EPLARS)

TM 11-5825-291-13 Operations Maintenance Manual for the Satellite Signals Navigation Sets AN-PSN-11 and AN/PNS-11 (V)1

Operator's Manual for Avenger Institutional Conduct of Fire Trainer V4.8

Scenario Generation Procedure (SGP) for the Avenger Table Trainer (TTT)

User's Manual for the Avenger Table Top Trainer (TTT) Version 3.0