

Training
CHAPARRAL, REDEYE, STINGER, AND AVENGER LIVE FIRE

SUMMARY. This regulation establishes the procedures for live-fire missile use at Fort Hood.

APPLICABILITY. This regulation applies to personnel at Fort Hood utilizing the firing range.

SUPPLEMENTATION. Local supplementation of this regulation is prohibited without prior approval from AFZF-GT-PA.

INTERIM CHANGES. Interim changes to this regulation are not official unless they are authenticated by the Directorate of Information Management. Users will destroy interim changes on their expiration dates unless sooner superseded or rescinded.

SUGGESTED IMPROVEMENTS. The proponent of this regulation is the Assistant Chief of Staff (ACofS), G3, Directorate of Plans, Training, and Mobilization. Users are invited to send comments and suggested improvements to the Commander, III Corps and Fort Hood, ATTN: AFZF-GT-PA.

OVERVIEW

		1
Purpose	The purpose of this regulation is to establish the authority and procedures for conducting missile live fire at Fort Hood.	1a
References	Required and related publications are listed in appendix A.	1b
Live Fire	The live-fire requirements for Chaparral, Redeye, Stinger, and Avenger are accomplished during semiannual or annual firings conducted per ARTEP 44-447-10-MTP, ARTEP 44-115-MTP, and ARTEP 44-435-MTP. Chaparral, Redeye, Stinger, and Avenger live firings are conducted semiannually at Fort Hood. NOTE: The air defense artillery battalions select firing crews.	1c

RESPONSIBILITIES

		2
MSCs	Major subordinate commands (MSCs) <ul style="list-style-type: none">• plan, publicize, organize, control, and evaluate the live fire.• forecast and requisition Chaparral, Redeye, Stinger, and Avenger missiles and ballistic aerial target systems (BATS) or other aerial target systems for its batteries.• draw the missiles to be fired from the ammunition supply point.• provide range safety officers and ensure range safety procedures are observed at the firing points.	

(continued on next page)

MSCs (cont)

- request permission in writing to have spectators on a live-fire range per FH Reg 350-40.
- make sure that two (one primary and one alternate) air defense artillery observers are positioned behind Trapnell range or Jack Mountain multipurpose training range to provide warning of approaching aircraft.
- establish and maintain communications with guards as required in the range safety regulation to facilitate safe firing.
- make sure range safety cables and other ancillary equipment required for firing are on hand and serviceable.
- establish procedures to be sure of the security and recovery of missiles that impact without detonating.
- request additional required support not available from internal units
- notify Division Transportation Office, 49th Movement Control Center, or 13th Corps Support Command with road and maneuver area closure information 30 days before firing.
- request road closure per FH Reg 55-1.
- make sure Chaparral, Redeye, Stinger, and Avenger firing elements are adequately trained and equipped in preparation for the firing phase.
- request explosive ordnance disposal (EOD) support through G3, Range Control, and inform EOD of live-fire dates.
- prepare a memorandum of instruction or operations order for each firing 45 days before firing.
- schedule ranges per FH Reg 350-40, paragraph 5.

2a

Air Defense Element

The air defense element

- coordinates with agencies external to Fort Hood as required.
- requests additional required support not available from internal units.
- reserves the moving target simulator for Redeye and Stinger teams if requested.
- submits informal memorandums to the air traffic and airspace manager requesting 45,000 feet of airspace a minimum of 45 days prior to the scheduled event.

2b

Aviation Office

The Aviation Office

- disseminates airspace restriction information.
- ensures compliance with airspace restrictions as required by appropriate Army and Federal Aviation Administration (FAA) regulations.
- makes sure FAA is notified of firing 30 days before firing.

2c

Range Division

Range Division

- provides Aviation Office with notice to airmen (NOTAM) data (for example, safety fan, altitude restrictions, when date and time restrictions are in effect) 30 days before firing.
- makes sure flight following is notified of aircraft restricted area 2 hours before firing so that flight following can assist in clearance of the danger area.
- requests EOD support when required.
- makes sure host unit range officer in charge is provided information on range activities during the firing period (for example, range construction or maintenance).

2d

COORDINATION INSTRUCTIONS

3

Coordination

An evaluation team is formed with personnel from the MSC whose battalion is being evaluated.

Chaparral, Redeye, Stinger, and Avenger live firing is conducted from Trapnell range (PK27164978).

Selection of tactical firing points is coordinated not later than 45 days in advance of firing to complete firing point survey and preparation of range safety data.

Direct coordination is authorized between units and staff agencies concerned.

Chaparral, Redeye, Stinger, and Avenger firing is accomplished as shown in table 3-1.

Table 3-1. Chaparral, Redeye, Stinger, and Avenger firing.

FIRING	ACTION
NLT 5 days before firing	crew evaluation and range preparation
NLT 1 day before firing	equipment emplaced and checked out, BATS orientation firing
primary firing date	obtain range clearance, day and night firing
alternate firing date	obtain range clearance, day and night firing

Live annual service practice firings are completed IAW applicable references.

Each MSC provides organizational and direct support maintenance support for its batteries.

3a

Missile Classification Standards

Missile performance classification on every missile firing is validated by a missed distance indicator.

See table 3-2 for missile classifications.

Misses are classified as

- missile error--a gunner performs firing procedures properly and has definite missile tone.
- gunner error--a gunner performs improper firing procedures.

Table 3-2. Missile classifications.

Classification	occurs when the missile
Direct hit	makes physical contact with target
Tactical kill	fails to make physical contact with target passes within the classified distance for <ul style="list-style-type: none"> • a proximity kill for the Chaparral • the target profile for a Redeye or Stinger
Miss	fails to pass within the range of the tactical kill zone

3b

Crew Performance Standard

The engagement has two possible classifications with respect to crew performance.

See table 3-3 for crew performance standards.

Table 3-3. Crew performance standards.

Engagements are	when the crew	and the result is a
successful	performs firing procedures properly	<ul style="list-style-type: none"> • direct hit • tactical kill • miss, or 'missile error and successful engagement'
unsuccessful	fails to follow correct firing procedures	'gunner error and unsuccessful engagement'

3c

Appendix A
REFERENCES

REQUIRED PUBLICATIONS

ARTEP 44-115-MTP	Air Defense Artillery Gun/Stinger Battalion. (Cited in para 1c.)
ARTEP 44-435-MTP	Air Defense Artillery Avenger Battalion. (Cited in para 1c.)
ARTEP 44-447-10-MTP	Air Defense Artillery Chaparral Platoon. (Cited in para 1c.)
FH REG 55-1	Motor Transport Movements. (Cited in para 2a.)
FH REG 350-40	Fort Hood Range Operations. (Cited in para 2a.)

RELATED PUBLICATIONS

AR 190-11	Physical Security of Arms, Ammunition and Explosives
AR 385-62	Regulations for Firing Guided Missiles and Heavy Rockets for Training, Target Practice and Combat
AR 385-63	Policies and Procedures for Firing Ammunition for Training, Target Practice and Combat
ARTEP 44-117-11-MTP	Air Defense Artillery Stinger Platoon
ARTEP 44-117-21-MTP	Air Defense Artillery Avenger Platoon
CTA 23-106-6	Operations and Training, Redeye
FH PAM 350-18	Fort Hood Catalog of Established Live-Fire Ranges, Training Facilities, and Artillery and Mortar Firing Points
TM-9-1300-206	Ammunitions and Explosive Standards

The proponent of this regulation is the Assistant Chief of Staff, G3.

FOR THE COMMANDER



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