

## **R2200. Safety precautions**

### **Hand Grenade Familiarization Range (HG Live fire)**

a. References:

- (1) FM 3-23.30.
- (2) AR 385-63.
- (3) DA Pam 385-63.
- (4) Specific TM and FM for grenade being utilized.

b. Location: UV0466052038.

c. **Description and Capacity:** This range is used to train and test individual soldiers in the employment of fragmentation hand grenades. Range consists of 4 throwing bays, 1 control bay and 1 ready bay. Throwing bay target areas are separated by an earthen berm. Each throwing bay area contains 1 target. Ammunition authorized for use on this range are the M67 fragmentation grenade.

d. Communications: Using unit will establish 2 means of communications with Range Control (FM Freq: 40.80 primary, and 31.30 alternate) prior to firing. Using unit must provide 2 communication sources; no additional sources are located on the range. Firing will not be initiated or will immediately cease when communications with Range Control is not operational.

e. Safety Precautions:

(1) Camp Gruber Range Safety Briefing and Range Packet.

(2) ONLY 1 GRENADE MAY BE THROWN AT A TIME ON THIS RANGE. RANGE OIC WILL VERIFY DETONATION OF EACH GRENADE.

(3) NO DIRECT VIEWING IS AUTHORIZED ON THIS RANGE. MIRRORS ARE PROVIDED ON THE CONTROL BAY FOR SUPERVISION OF THE RANGE.

(4) RANGE OIC WILL ENSURE COMPLETE DETONATION OF EACH GRENADE. IN THE EVENT THAT A GRENADE FAILS TO DETONATE (DUD), RANGE OPERATIONS WILL CEASE (NO FURTHER THROWING OF GRENADES IN THE AREA OF THE DUD) AND THE RANGE OIC WILL CONTACT RANGE CONTROL. NO PERSONNEL ARE AUTHORIZED TO GO DOWNRANGE, ONLY EOD PERSONNEL ARE AUTHORIZED DOWNRANGE (APPENDIX B FM 3-23.30 CONTAINS DETAILED SAFETY PROCEDURES TO FOLLOW).

(5) Range flags will be flown from the HG Live-Fire Range flagpole and the main Range Loop Road flagpole.

(6) Grenades will not be thrown into standing water, deep snow or dense vegetation.

(7) Range OIC will ensure all personnel are proficient in the safety precautions used for handling and throwing grenades before live grenade training begins. Successful completion of practice grenade training (mock bay) is mandatory prior to live grenade training.

(8) A medical aid man/medic must be present on the range during the conduct of live firing/training.

Additional medical requirements are:

(a) The aid man must be MOS qualified.

(b) The aid man must have a standard aid bag and litter.

I Unit commanders or representatives must be prepared to give the rank, name, and SSN of all medical qualified personnel.

(d) A litter-bearing vehicle must be on site with a driver other than the medic and capable of transporting a litter patient.

(9) OIC must be a minimum of E7 or above. Safety Officer must be minimum of E6 or above.

f. Special Instructions:

(1) All personnel on the firing line and within the 150-meter danger area will wear approved protective helmets, protective body armor, single hearing protection and proper eye protection.

(2) Range OIC (E7 or above), Safety Officer (E6 or above) and Assistant Range Safety Officers (E6 or above) for live grenade training events must be certified to perform their duties. The following actions will be included in the certification of these individuals: actions in the event of a dropped grenade, short throw, grenade thrown other than downrange, surface danger zone, control of observers, misfire and dud procedures, arming and throwing techniques and pre-live bay training requirements.

(3) Range OIC must submit a risk assessment worksheet addressing the range operation prior to the conduct of the event. Range Control will not permit the range to go 'hot' without a copy of this assessment on file at Range Control (bldg. 740). Appendix B, FM 3.23-30 provides an example risk assessment for a grenade range event.

(4) Personnel inside the Safety and Ready Bays must be at least 18" inside from the rear of each bunker.

g. Road Guard Requirements: One, at North side of range to prevent entry from the north.

Road guard is required to maintain FM communication with the Range OIC. Road guard will be

required to assist Range Control personnel in the placement/recovery of range firing warning signs and barricades. Using unit will provide driver and vehicle for placement/recovery of road guard. Road guard will remain in place until Range Control has cleared the range.

h. Impact Area closed during firing: See Range Surface Danger Zone.

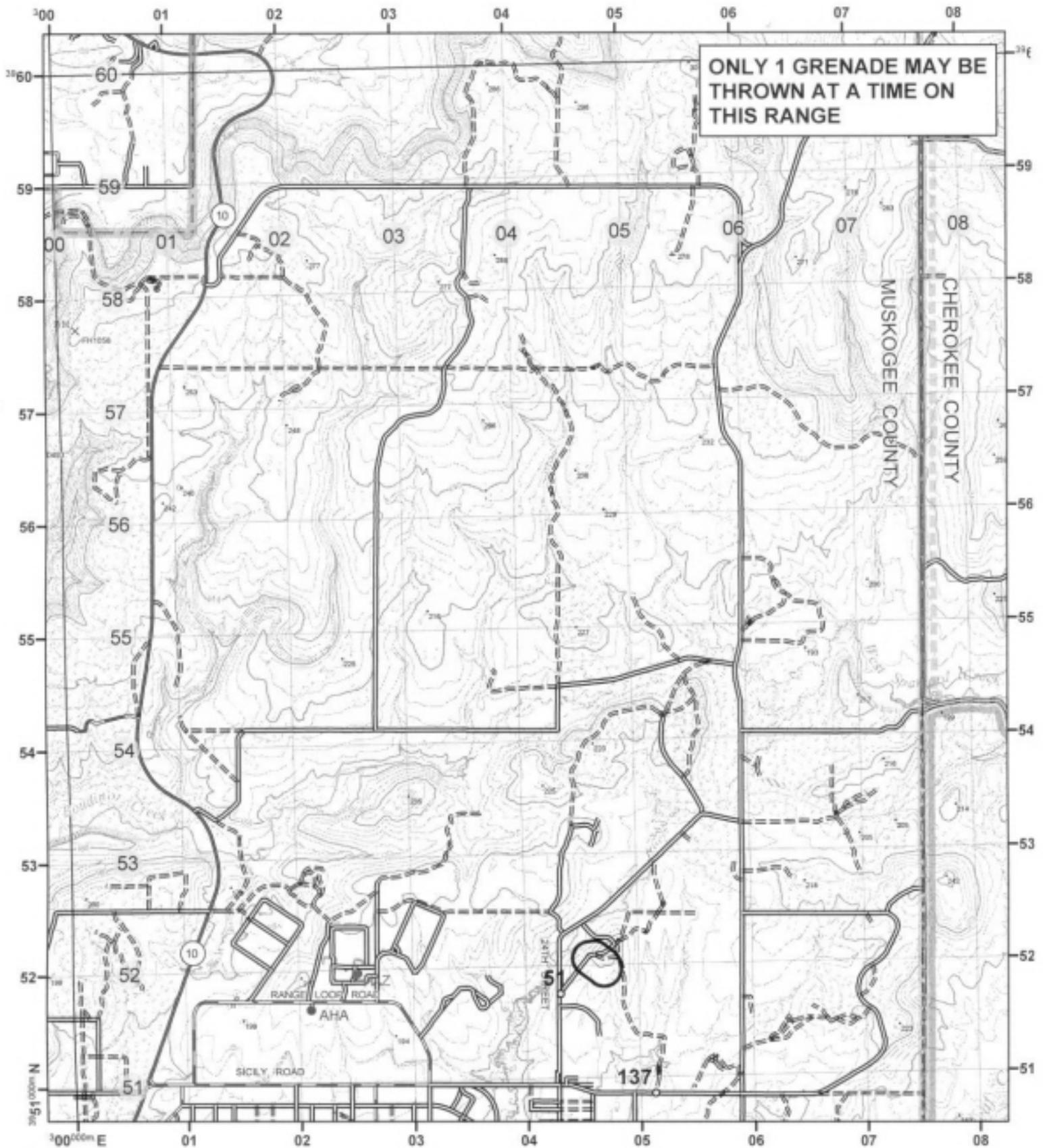
i. Range/s closed during firing: MRF-2, Zero-2, MK-19, TOW MILES, TOW Live Fire, and React to Convoy Ambush Range.

j. Barriers;

(1) Gate: 51.

(2) Cable Gate 137.

# HAND GRENADE LIVE FIRE RANGE SDZ



ONLY 1 GRENADE MAY BE THROWN AT A TIME ON THIS RANGE

MUSKOGEE COUNTY

CHEROKEE COUNTY

0 375 750 1,500 2,250 3,000 Meters



R2200