

### **R3100. Safety precautions**

#### **TOW (TP) Missile Range (TOW Live-Fire)**

a. References:

- (1) FM 3-22.34.
- (2) AR 385-63.
- (3) DA Pam 385-63.
- (4) DA Pam 385-64.

b. Location: UV0720151764.

c. **Description and Capacity:** This range is used to train and test soldier on the skills necessary to employ weapons, identify, track, engage and defeat stationary and moving armor targets presented individually or as part of a tactical array. Range consists of two (2) firing points and various targets (stationary/moving) arrayed at 2000M to 2750M. Weapons/ammunition authorized to fire: TOW/Target Practice (TP) round.

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) Personnel will not enter the range fan without contacting Range Control. Several live-fire ranges overlay this range fan. The Range OIC must get approval from Range Control prior to moving downrange (i.e. for targetry set-up/repair/recovery).
- (3) NO HE AMMUNITION IS AUTHORIZED FOR USE ON THIS RANGE – ONLY TARGET PRACTICE (TP).

(4) Range flags will be flown from the TOW Live-Fire Range flagpole (East of firing points), the TOW MILES range flagpole (intersection of Sicily/North-South road) and the main Range Loop Road flagpole.

- (5) 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.
- (c) 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.
- (5) OIC must be a minimum of E7 or above. Safety Officer must be minimum of E6 or above.

f. Special Instructions:

- (1) Before firing any missile, the SDZ will be cleared of all nonessential personnel.
- (2) All personnel on the range will wear Kevlar helmets.
- (3) Personnel within 75 meters from each firing point will wear approved hearing protection and eye protection.
- (4) Personnel located 100 meters to each side and 200 meters to the rear of the firing points will wear approved hearing protection. USMC personnel (including gunners) within this area will wear helmets and protective vests.
- (5) Assistant Range Safety Officers (ARSO) will be positioned at each weapon system to ensure the gunner has identified the range safety limit markers. During live fire exercises, the ARSO will verify that each gunner's line-of-sight to the target is within the range safety limit markers.
- (6) During periods of limited visibility, portable limit beacons will be placed on the left and right limit markers. Range OIC will coordinate issue of these beacons from Range Control.
- (7) During live-fire exercises, electrical power will be shut off to all overhead power lines that are within the range impact area. Range OIC will verify this with Range Control prior to conduct of fire on the range.

(8) All missile guidance wire must be retrieved from the range impact area by using unit personnel prior to clearing the range. North/South Range Road and Pistol Loop Road will remain closed to traffic after firing until all wire has been retrieved. Range Control will reopen the roads to traffic when the range is cleared.

g. Road guard requirement:

- (1) One at Cable Gate 104.
- (2) One at UV0720152423 (vic. Fire Tower Hill).
- (3) One at Cable Gate 113.

Road guards are required to maintain FM communication with the Range OIC. Road guards 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 guards. Road guards will remain in place until Range Control has cleared the range.

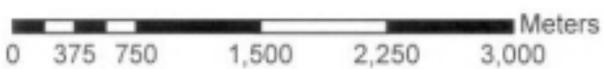
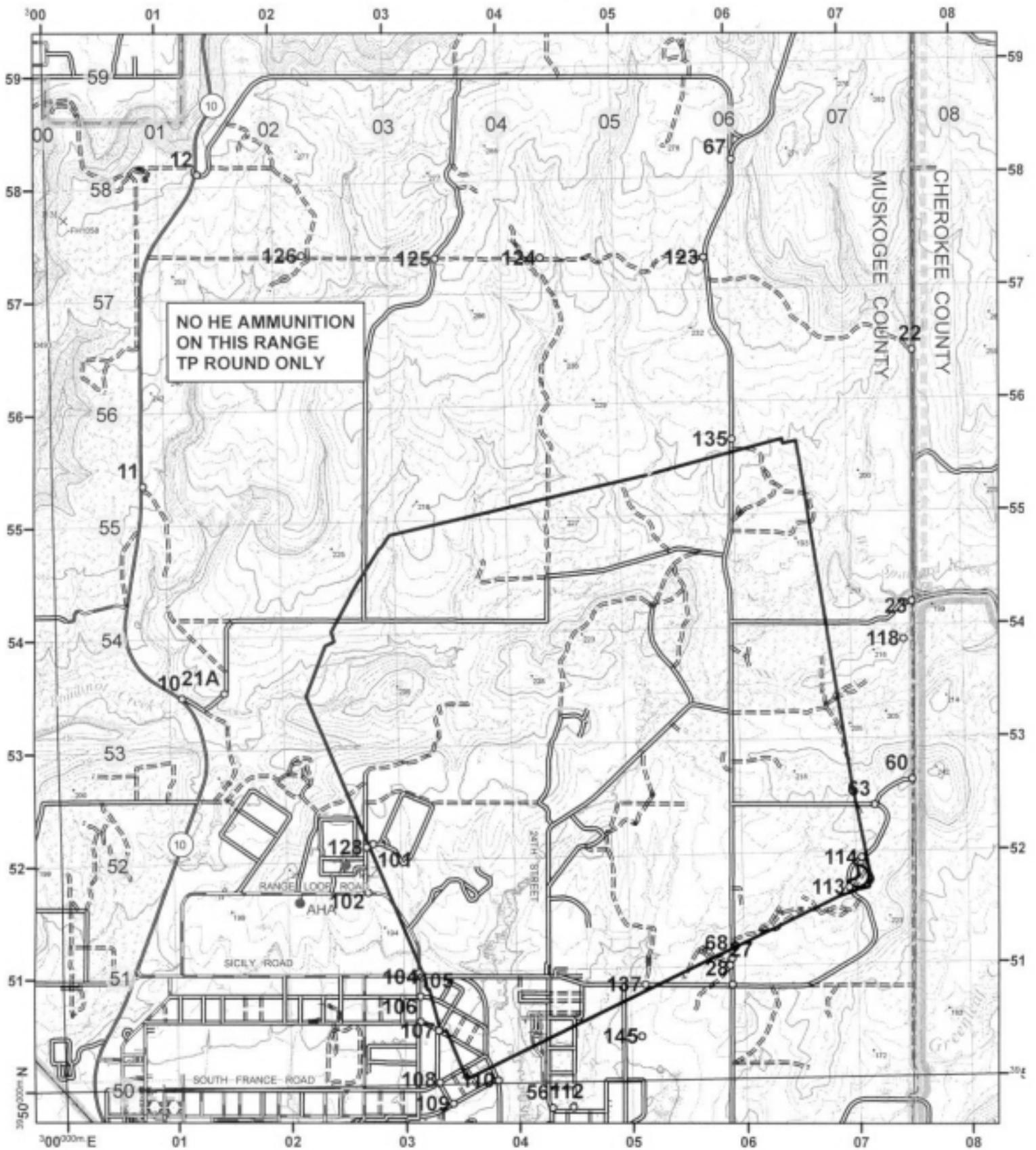
h. Impact Area closed during operation: See Range Safety Fan.

i. Ranges closed during operation: Sniper Field Fire, Heavy Demolition, Breach Range, TOW MILES, MK19, Zero 2, MRF-2, MOUT CTF, M203 GL, AT-4, MRF-1, ISBC- SOSO, UAC Station #3 – Grenadier Gunnery, ISBC – Squad Assault, Hand Grenade Familiarization, and Mortar SRTR.

j. Barriers:

- (1) Gates: 10, 11, 12, 17, 21A, 22, 23, 27, 28, 56, 60, 67, and 68.
- (2) Cable Gates: 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 112, 113, 114, 118, 122, 123, 124, 125, 126, 128, 135, 137, and 145.

# TOW LIVE FIRE RANGE SDZ



R3100