

Standing Operating Procedures
For
Arkansas Range
Donnelly Training Area, Alaska

1. References. Appendix E.
2. Purpose. The purpose of this SOP is to provide guidance for the safe use and conduct of Arkansas Range by USARAK units, support units, and other agencies using this range.
3. Scope.

Capability. Arkansas Range is designed as a small arms, direct-fire weapons range. The range setup has a 25-meter berm for M16 alternate "C" course qualification, a 10 meter qualification for M249 and 240B and six station walk-through lanes for military police/officer pistol qualification. The range is equipped with a tower, PA system, lights, target storage building, warm up building with a phone, electricity, latrine and a helicopter pad. This range is located inside a Controlled Firing Area (CFA). The range is affected by minimum visibility restriction as outlined in the USARAK 350-2 (para 6-7, table 6-1) and requires a minimum of two aircraft spotters.

- a. Weapons Authorized: M16A1/A2, M4, M9, M24, M249, M60, M240, Shotgun
 - b. Ammunition Authorized: 5.56, 7.62, 9MM and approved shotgun rounds. At no time will .50 cal or dud-producing ammunition be allowed on this range.
4. Applicability: This SOP applies to all military units, organizations, agencies and authorized individuals that use ranges and training area at the Donnelly Training Area, as defined in USARAK Regulation 350-2.
 5. Responsibilities:
 - a. Medical Support: Medical support is required for this range. At a minimum you must have a Medic with an Aid Vehicle. MEDEVAC procedures are listed in Annex C.
 - b. Equipment Requirements:

1) USARAK Reg. 350-2	Issued by Range Control
2) Range SOP	Issued by Range Control
3) Range Flags	Issued by Range Control
4) FM and TM's	Using Unit
5) FM Radio or Brick Radio	Using Unit
6) Hearing Protection	Using Unit
7) Binoculars (2EA)	Using Unit
 - c. Personnel Requirements:

SUBJECT: Standing Operation Procedures (SOP) Arkansas Range

- 1) OIC: SSG or above
 - 2) RSO: SGT or above
 - 3) Safety NCO's as Determined by OIC
 - 4) Medic and designated Aid Vehicle Driver
 - 5) Ammunition NCO
 - 6) Radio Operator
 - 7) Air Guard Spotters
- d. Personnel Responsibilities:
- 1) OIC Duties are outlined in ANNEX A of this SOP.
 - 2) Range Safety Officer Duties are outlined in ANNEX B of this SOP.
 - 3) The OIC and RSO must be physically present on the range while in a "Hot Status". If an administrative check-fire has been requested, the OIC and RSO may depart the range. Range control must be notified and a "Hot Status" will not be given until they return.
 - 4) The Ammunition NCO will monitor the issue and turn-in of all ammunition on the range. The OIC/RSO will ensure that there are no unauthorized personnel in or around the temporary ASP.
 - 5) The Radio Operator will monitor the radio at all times. Range control will make periodic communications checks with the unit while in a "Hot Status". Should the unit lose contact with Range Control there will be a mandatory self imposed check fire issued by the OIC until communications are re-established with Range Control. If Range Control loses radio contact with a unit while in a "Hot Status" a range inspector will be dispatched to place the unit into a check fire until communication is re-established.
- e. General Instructions:
- 1) Preparation Phase.
 - i) Units must contact range control at least 1 to 3 days before range or training facility occupation to confirm their intent to use the scheduled facility and to ensure that the support requirements for the facility are available.
 - ii) Units must sign for ranges through DTA Range Control prior to occupation. At this time units will receive a range briefing and required equipment for range operations.
 - 2) Safety.
 - i) The OIC must establish and brief an emergency Check-fire plan.
 - ii) Participants must be briefed on firing limits and methods to determine firing limits.

SUBJECT: Standing Operation Procedures (SOP) Arkansas Range

- 3) Execution Phase.
 - i) Prior to requesting a hot time, ensure the USARAK Form 76, Opening/Closing form, issued by range control, has been completed.
 - ii) Should a fire be discovered on the range, immediately report it to range operations. Know the grid location, fire nature, and size. Units are to stop training and assist in fighting the fire except when the fire is in an impact area.
 - 4) Recovery Phase.
 - i) OIC/RSO will ensure all equipment issued by Range Control is returned at the completion of training.
 - ii) Any damages or needed repairs are annotated in the remark section of the closing form.
 - iii) Policing the range is the using unit's responsibility. The entire range area, including all buildings will be policed prior to requesting a clearance team from Range Control.
- f. Special Instructions:
- 1) Air Guard Spotter.
 - i) Using unit must provide two air guard spotters. Air guard spotters will be equipped with binoculars and a source of communication directly linked to the range OIC. The Air guard spotter will be located in such a way that the individual can observe airspace and call the unit to a check fire upon the approach of all aircraft.
 - 2) Demolitions.
 - i) No demolitions will be used on this range at any time.
 - 3) Digging.
 - i) No digging is permitted on the range.
 - 4) Communications.
 - i) The primary means of communication between the training unit and range control is FM radio (FM38.30) and/or ALMAR hand held radios.
 - ii) Units must establish communications with range control immediately upon occupation of a range, training area, or training facility. Further instructions can be found in USARAK 350-2 Chapter 1, paragraph 1-8. Communications
- g. Restrictions:
- 1) Vehicles are only authorized to park in designated parking areas.
 - 2) A road guard, with communication with the OIC, will be placed at the gate leading to the facility when required.

SUBJECT: Standing Operation Procedures (SOP) Arkansas Range

- 3) Seasonal fire hazards may restrict the use of ammunition to include ball, tracer, and pyrotechnics.
 - 4) CS gas will not be used on this facility at any time.
 - 5) No armor piercing ammunition is authorized.
 - 6) Overhead firing of any weapon system is not authorized.
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6. Point of contact for this SOP is the undersigned at 873-1447.

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Range Facility Manager

SUBJECT: Standing Operation Procedures (SOP) Arkansas Range

ANNEX A

DUTIES OF THE OFFICER IN CHARGE (OIC)

1. Prior to firing, the OIC will ensure that:
 - a. The range or firing position is scheduled for unit use.
 - b. An authorized RSO has been designated.
 - c. Designated RTO and two Aircraft Spotters have been identified.
 - d. The correct Training Facility is occupied.
 - e. A red flag is flying from the flagpole. For night firing, a blinking red light will be used in place of a flag. In addition, the left and right limits of the range will be marked with blinking red lights.
 - f. Communication has been established with range control.
 - g. All equipment that is required by this directive and the Range SOP are present on the range.
 - h. The danger/impact area is clear of all personnel, vehicles and wildlife.
 - i. All personnel have received a briefing on the safe handling of ammunition and explosives.
 - j. Road guards, signs, and/or barriers have been posted, if required.
 - k. An approved surface danger zone (SDZ) overlay has been approved and is present, if applicable.
 - l. Clearance to fire has been granted by Range Control. When requesting clearance to fire, the OIC will provide the necessary information contained on the opening and closing sheet to Range Control. The OIC will ensure that the Fire Desk Operator's initials are noted on this form as a record of clearance to fire.
 - m. All personnel are aware of the following:
 - 1) The identity and location of range cadre, including the OIC, RSO, Safety NCO's, RTO, Air Spotters, Medic, and Aid Vehicle.
 - 2) The requirements to wear authorized hearing protection while on or near the firing line.
 - 3) The firing limits of the facility being used.
 - 4) The correct procedures for marking and reporting duds, if required.
2. During the use of the range, the OIC will ensure that:
 - a. No firing is conducted when the visibility requirements are not met.
 - b. Down range weapons effects are observed to ensure projectiles land within the prescribed range limits.
 - c. Misfires are removed from the weapon only on command of the OIC.

SUBJECT: Standing Operation Procedures (SOP) Arkansas Range

- d. Weapons are cleared and checked during temporary suspensions of firing.
 - e. Records are maintained on the type of ammunition fired, number of rounds fired and number of duds (to include their approximate location).
 - f. A cease fire is ordered when:
 - 1) Directed by range control.
 - 2) Communications with range control or air guard spotters is lost.
 - 3) A malfunction of a weapon or ammunition occurs. The OIC/RSO will initiate a check-fire, notify range control, and ensure nothing is disturbed until the investigation is completed and range control lifts the check-fire.
 - 4) Air spotters report an aircraft entering the airspace.
 - 5) A safety violation, accident or incident occurs.
 - 6) A fire is started
 - 7) Wildlife is discovered on the range.
 - 8) Rounds land or detonate outside the approved safety limits for the range.
 - 9) Either the OIC or RSO leaves the range.
3. After training is completed, the OIC will ensure that:
- a. All weapons are cleared of ammunition before departing the firing line.
 - b. All ammunition and/or explosives are removed from personnel before departing the range/training area.
 - c. Ammunition, simulators, explosives, and pyrotechnics are not abandoned, buried, or otherwise disposed of in an unauthorized manner.
 - d. All expended brass is collected for turn-in to the ASP.
 - e. The range/training area is policed.
 - f. All items in section two of the opening and closing procedures are completed.

SUBJECT: Standing Operation Procedures (SOP) Arkansas Range

ANNEX B

DUTIES OF THE RANGE SAFETY OFFICER (RSO)

1. The RSO is responsible to the OIC and the commander for the safe operation of the range and will have no other duties.
2. The RSO must be thoroughly familiar with applicable portions of AR 385-63, USARAK Reg. 350-2, this directive, and the appropriate FM's and TM's pertinent to the firing and weapon systems being used.
3. The RSO and the Safety Cadre must be actively alert to:
 - a. Personnel movement on and around the firing line or gun line.
 - b. Vehicle and personnel movement on and around the range or firing points.
 - c. Alignment and handling of weapons on and around the firing point.
 - d. Handling of ammunition.
 - e. Clearance of weapons.
 - f. Control of smoking areas.
 - g. Control batteries, filters, and adapters for laser devices.
 - h. Placement and control of guards, barriers, and signs as required.
 - i. Observation of downrange area for unauthorized personnel, vehicles, and wildlife.
 - j. Prevention of cross lane firing or firing at other than authorized targets.
 - k. Aircraft entering the range airspace.

SUBJECT: Standing Operation Procedures (SOP) Arkansas Range

ANNEX C

MEDAVAC SUPPORT

1. DTA has no on-site medical support. Units training at DTA will evacuate personnel with life threatening injuries or injuries of the eye to the designated facility in Delta Junction for treatment. In the event of serious injury or illness where time may be a factor in saving life, limb, or sight, or to prevent unnecessary suffering, aero medical evacuation can be used. The following procedures will be followed:
 - a. Request MEDAVAC from range Control, FM 38.30 (primary), 39.05 (alternate), or by telephone 873-4714, or 873-4715.
 - b. If unable to contact range control, contact MEDAVAC directly on FM Freq. 40.50.
 - c. The requesting units will provide the following information:
 - Line 1 - Location of pickup site (grid if possible).
 - Line 2 - Radio Freq. Call Sign and suffix.
 - Line 3 - Number of patients, by precedence.
 - Line 4 - Special equipment required.
 - Line 5 - Number of patients by type, (litter or ambulance).
 - Line 6 - Number and type of wounds.
 - Line 7 - Methods of marking site.
 - Line 8 - Patients nationality and status, military or civilian.
 - Line 9 - Terrain description.
2. NOTE: If the information for lines 6 thru 9 is not immediately available, lines 1 thru 5 should be transmitted first so the MEDAVAC unit is able to begin its mission. When the complete MEDAVAC request is transmitted and received, the requestor will monitor the frequency specified in line 2 and wait for additional instructions or contact the MEDAVAC helicopter.

SUBJECT: Standing Operation Procedures (SOP) Arkansas Range

ANNEX D

TROOP BRIEFING

1. Troop Briefing: The OIC or RSO will brief all soldiers on the following items prior to requesting a hot status from range control. This is a general list and does not preclude the unit from emphasizing other areas of concern.
 - a. Movement on the range.
 - b. Weapons/ammo malfunction.
 - c. Safe handling of weapons/ammo.
 - d. Duds (reporting and marking).
 - e. Conduct while on the firing line.
 - f. Hearing conservation.
 - g. Firing limits and rounds observed out of approved firing limits.
 - h. Personnel, vehicles, or aircraft downrange.
 - i. Range fires.
 - j. Medical emergency procedures.

SUBJECT: Standing Operation Procedures (SOP) Arkansas Range

ANNEX E

REFERENCES

1. AR 385-63, Range Safety, dated 19 May 2003
2. DA Pam 385-63, Range Safety, dated 10 April 2003
3. USARAK Regulation 350-2, Training, USARAK Range Regulation, dated 15 July 2004
4. FM 3-23.9, Rifle Marksmanship M16A1, M16A2/3, M16A4 and M4 Carbine(incl Chg 1 & 2)
5. FM 3-22.68, Crew Served Machine Guns, 5.56mm and 7.62mm; M249, 5.56mm Machine Gun; M60 7.62mm Machine Gun; M240B, 7.62mm Machine Gun, dated 31 January 2003
6. FM3-23.35 Combat Training with Pistols, M9 and M11, dates 25 June 2003
7. FM 23-10, Sniper Training, dated 17 August 1994
8. TM 9-1005-303-14 Shotgun, 12-Gauge M1200