FIRING/NONFIRING DATA

For use of this form see USAIC Regulation 210-4; the proponent agency is DOT

8-34-08

TO: Chief, Range Division Directorate of Operations and Training Fort Benning, GA 31905	DATE: 18 August 08
THRU: Chief, Range Operations	FROM: Survey, Range Division

SECTION I

Problem Number: N/A	Range: English Range	Title: Rifle Marksmanship, BRM/ARM
Type Training: (a. Live Fire) b. Non-live Fire	CP/Controller Coordinates: FA 9136 8052 (Range Tower)	

SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS

Coordinates	Type	Model/DODAC	Size of Charges
N/A			

SECTION III, WEAPONS/AMMUNITION REQUESTED

Coordinates of Weapons Position	Type Weapon/Model Number	Type Ammunition	Left Limit Mils (Grid)	Right Limit Mils (Grid)
FP1 FA9150 8060 to FP16 FA9125 8044	M16/M4/MK16	5.56mm Ball	2480	2725
Same as Above	PEQ2/PAC-4/M68 NVG's/PVS 14/PVS 7D (Eye Safe)	Laser Aiming Devices	NA	NA

SECTION IV, LIVE FIRE EXERCISES Attach the *following:*	SECTION V, NON-LIVE FIRE TRAINING
a. Scenario of training to be conducted: See Attached	a. Training area(s) to be occupied:
b. Sketch of area : See Attached	b. Scenario of training to be conducted:
c. Risk Assessment : See Attached	c. Sketch of area(s) to be occupied:
d. Attach FB Form 210-4-2-R if Mortar or artillery is being fired: N/A	d. REMARKS:
Name/rank/signature of requesting officer: Benjamin T. Bolding Benjamin Bolding, GS08, Chief, Survey Technician	Name/rank/signature of Major Unit S3/Commander Warren Greenlee Warren Greenlee, YC-02, Chief, Range Operations

SECTION VI, FOR RANGE DIVISION USE

TO: Range Operations Fort Benning, Georgia 31905	FROM: Range Division, Directorate of Operations & Training Fort Benning, GA 31905	DATE: 6 Oct 08

a. Roadblocks to be closed: A2, A4, A5.

b. Road(s) to be closed/road barrier locations:

c. This approval expires: Indef

d. REMARKS: Class IIIA lasers are not eye safe on dual low mode within 25 meters. PEM – 1A is not a tactical laser and must be used within 25 meters. LASER warning signs will be in place. **Range safety briefing will include hazards using LASERS and NVD's.**

for Chief, Range Division Directorate of Operations and Training	Signature: Frederick E. Weekley Jr., Chief, Range Division

DEPARTMENT OF THE ARMY
HEADQUARTERS UNITED STATES ARMY INFANTRY CENTER
DIRECTORATE OF OPERATIONS AND TRAINING
FORT BENNING, GEORGIA 31905

IMSE-BEN-PLT-R 8 September 08

MEMORANDUM FOR: Chief, Range Division, Fort Benning, Georgia, 31905

THRU: Chief, Range Operations, Fort Benning, Georgia, 31905

SUBJECT: **Rifle Marksmanship, BRM/ARM** (English, Simpson, Malone 7, Malone 14, Malone 15, Malone 16 and Malone 18.)

MISSION: All units scheduled conduct **Rifle Marksmanship, BRM/ARM** on English, Simpson, Malone 7 Malone 14, Malone 15, Malone 16, and Malone 18 in order to train Soldiers.

EXECUTION:

1. Chief, Range Division Intent: The intent is for soldiers from units on Fort Benning to conduct training on BRM and teach the soldiers on how to maintain, operate, correct malfunctions, various ranges for short exposures, scanning for targets, estimating range, firing quickly and accurately, and other skills needed to engage a target with an M16A2/M4 and MK16.

2. Concept of the Operation: Units scheduled will conduct Rifle Marksmanship, BRM/ARM IAW FM 3-22.9 (Rifle Marksmanship M16A1/2/3/ and M4 Carbine), and FB Form 210-4-3-R (Firing/NonFiring Data). Training will include the following phases:

a. Target Detection: In this phase, the gunner locates, marks, prioritizes, and determines the range to combat targets.

b. Marking Targets: In this phase, the gunner applies the fundamentals in selecting a point to aim, selects a nearby feature as a reference point, and determines its distance and direction.

c. Range Determination: In this phase, the gunner applies the fundamentals in finding the distance between two points and accurately determines range.

d. Conduct of Field-Fire Range: In this phase, the gunner fires at F-type silhouettes at 50 and 100 meters and E-type silhouettes at 150, 200, 250, and 300 meters. English and Malone 14 have an additional 75 and 175-meter target.

e. Remedial training will be conducted in any of the phases of training where the soldier does not meet the standard. The instructor will identify any soldier having trouble with the task and must retrain the soldier as soon as possible. This will allow the soldier to maintain the same level of proficiency as the other soldiers.

3. End state: 100% of the Soldiers attending training safely trained to standard and all equipment and personnel accounted for.

4. These operations will be divided into phases listed below:

a) Phase I: The unit will occupy the selected training area and establish communications with range control. Open the range by emplacing the following control measures, medical support, and safety brief.

b) Phase II: Training begins according to the approved FB 210-4-3-R (Firing/NonFiring Data).

c) Phase III: The recovery phase that will consist of recovery of all equipment, personnel, clean up, after action review and closure with range control.

NOTE: Units/Activities requesting to divert from the standard packet will have to get approval in writing from Chief, Range Division.

5. Safety/Service Support: Will be outlined in the approved FB 210-4-3-R (Firing/NonFiring Data) and unit SOP. However, at a minimum the following will occur.

a) Uniform: As per unit SOP.
b) Ammunition will be stored at the ammunition holding area (AHA) off the firing line.
c) Combat Life Saver will be on-site at all times, with a dedicated vehicle.
d) Range book, tracking map, markers, and communication equipment.
e) Weapons will be cleared by rodding/visual inspection on and off the firing line. Units will utilize the clearing barrels on the range to clear weapons. Units have the option to use the one-piece brass rod or clearing barrels to clear all weapons off the range.
f) Weapons will be oriented down range while on the firing line.
g) Weapons will be on safe when not engaging targets.
h) Signal to fire and cease-fire is verbal, bullhorn, or whistle.
i) During firing anyone on the range, observing an unsafe act can call a ceasefire by using the hand in addition, arm signal and/or a vocal command of ceasefire.
j) Soldiers will receive the required amount of ammo.
k) All unused ammo will be turned into the AHA upon completion of firing.
l) Soldiers will lock and load weapons when instructed by the control tower.
m) Soldiers will engage targets in their lane only.

6. MEDEVAC Procedures: Call 911 and determine what type of medical evacuation is the most appropriate for the injury-by land using our designated medical vehicle for minor injuries, an ambulance for serious injuries or helicopter for critical. **FOLLOW 9 LINE MEDEVAC PROCEDURES** for rotary wing A/C evacuation. RSO is also responsible for calling 9-line medevac for rotary wing A/C.

7. Command and Signal:

a) The RSO will maintain communication with range control via a Portamobile radio at all times.

8. POC for this exercise is the undersigned at 544-6385.

Warren Greenlee
YC-02
Chief, Range Operations

English Range
1
5
10
16
16
TS2
A
50m Targets
75m Targets
100m Targets
150m Targets
175m Targets
200m Targets
250m Targets
300m Targets
PIPE
PIPE

RANGE CONTROL ROADBLOCK LIST (13 May 08)

BLOCK	GRID	LOCATION	TYPE
A-1	911 792	Across firebreak 200m down Fiske Range at right end of KD berm. Permanently closed.	Cable
A-2	910 783	Off Sightseeing Rd on unnamed trail opposite of entrance to LRC.	Gate
A-4	925 766	Off Sunshine Rd 1,200 meters W. of entrance to Grandstaff range.	Gate
A-5	936 762	Across entrance road to Grandstaff Range. 10m N. of Sunshine Rd.	Gate
A-6	939 763	Off Sunshine Rd 100m W. of Oswichee Creek. Permanently closed.	Cable/ Berm
A-8	968 740	Across unnamed trail 30m N. of Sunshine Rd and 800m N.W. of entrance to Griswold Range.	Gate
A-10	018 730	Across entrance road to Flint Range. 50m N. of Sunshine Rd.	Gate
A-11	019 731	Across Lumpkin Trail 30m N. of its intersection with Sunshine Rd.	Gate
A-12	033 742	Across Garnsey Rd 50m W. of its intersection with Jamestown Rd.	Gate
A-13	936 762	Across Sunshine Rd 10m E. of the entrence to Grandstaff Range. (Road guard location)	Gate
A-14	974 733	Across Sunshine Rd 10m W. of the entrence to Griswold Range. (Road guard location)	Gate
A-15	021 799	Across entrance road to Buchanan Range.	Gate
A-18	993 828	Across Buckeye Rd 225m S. of its intersection with 1st Div Rd. and 50m E. of entrance to Duke Range	Gate
A-19	973 825	Across entrance road to Patton Range 400m S. of its intersection with 1st Div Rd.	Gate
A-20	974 827	Across entrance road to Dianda Range. 300 meters S. its intersection with 1st Div Rd.	Gate
A-22	015 817	Across unnamed trail 50m N. of Brinson Range and 10m off Jamestown Rd.	Gate
A-23	024 744	On unnamed trail N. of road entering Garnsey Range. 100m W. of ammo point on range.	Cable
A-23A	983 756	Across Lumpkin Trail 200m E. of Griswold Range.	Gate
A-24	015 811	10 m inside the entrance gate of Brinson Range on the south side of the entrance road.	Gate
A-25	016 789	Across fire break 10m W. of its intersection with Good Luck Rd.	Gate
A-26	013 798	On L/S of Buchanan Range 50 meters W. of chow area across entrance to fire break.	Cable
A-27	018 805	Across unnamed trail 175m N. of the intersection of Hourglass and Jamestown Rds.	Gate
A-30	026 758	Across fire break leading to Garnsey Range 140m SW of Brann Flat Range.	Gate
A-31	020 745	Across fire break leading to Brann Range 450m W. of road block A23.	Cable
A-32	989 724	Across entrance road to Kunzig Range.	Gate
A-33	974 734	Across entrance to Griswold Range.	Gate
A-34	947 760	Across entrance to Minter Hill 700m E. of Oswichee Creek.	Gate
A-38	952 816	Across fire break 300m down range of firing line on Red Cloud Range on L. side of range.	Cable
A-39	956 822	Across unnamed trail 100m S. of buildings on Buckner Range on L. side of range.	Cable
A-40	967 823	Across fire break 50 meters down range on the left side of Pierce Range.	Gate
A-41	972 820	Across fire break located on the right side of the firing line on Patton Range.	Cable
A-42	978 820	Across fire break located on the left side of the firing line on Patton Range.	Cable
A-43	983 823	Across fire break located on the right side of Booker Range firing line.	Cable
A-44	986 823	Across fire break 100 meters E. of the 25 Meter Flat range on Booker Range.	Gate
A-45	990 827	Across fire break located on the right side of the firing line on Duke Range.	Gate
A-46	984 832	Across unnamed trail 100m W. of the intersection of 1st Div Rd and Ivy Rd.	Gate
A-47	990 833	Across unnamed trail 500m W. of the its intersection with 1st Div Rd and Buckeye Rd.	Gate
A-48	995 827	Across fire break located on the right side of the firing line on Porter Range.	Cable
A-49	998 827	Across fire break located on the left side of the firing line on Porter Range.	Cable
A-50	000 830	Across unnamed trail 200m W. of entrance to Maertens Range.	Gate

BLOCK	GRID	LOCATION	TYPE
B-1	076 715	Across Liberty Rd 30m N. of its intersection with River Bend Rd.	Gate
B-2	066 711	Across Blue Ridge Trail 30m N. of its intersection with River Bend Rd.	Gate
B-3	048 697	Across Jamestown Rd 30m N. of its intersection with River Bend Rd.	Gate
B-4	042 695	Across unnamed Trail 30m N. of its intersection with River Bend Rd.	Gate
B-5	020 690	Across unnamed Trail 30m N. of its intersection with River Bend Rd.	Gate
B-6	016 691	Across unnamed Trail 30m N. of its intersection with River Bend Rd.	Gate
B-7	998 707	Across Sedan Trail at reservation boundary. Permanently closed. (must coordinate with NSA to access)	Berm

BLOCK	GRID	LOCATION	TYPE
D-3	111 910	Across Reseca Rd 25 meters SE of the Reseca Rd and Underwood Rd intersection.	Gate
D-4	132 882	Across Plymouth Rd, 300m N of Underwood Rd. Permanently closed.	Gate/ Berm

RANGE CONTROL ROADBLOCK LIST (13 May 08)

BLOCK	GRID	LOCATION	TYPE
K-2	163 883	Across Box Springs Rd 125m N. of its intersection with Buena Vista Rd.	Gate
K-3	153 894	Across entrance road leading to Concord OP 250m N. of its intersection with Buena Vista Rd.	Gate
K-4	144 901	Across entrance road leading to Hartell Bunkers 50m N. its of intersection with Buena Vista Rd.	Gate
K-5	117 920	Across Shamanski Rd 25m N. of its intersection with Buena Vista Rd.	Gate
K-7	095 935	Across Audernarde Trail 70 meters E of its intersection with Lorraine Road.	Gate
K8	099 947	Across Bulls Eye Rd 50 meters E of its intersection with Lorraine Road.	Gate
K9	105 927	Across Audernarde Trail 30 meters W of Moore Rd, 575m N of Buena Vista Rd & Moore Rd intersection.	Gate
K-10	118 920	Across Buena Vista Rd at K-5 road block. (Road guard location).	Gate
K-11	103 922	Across Moore Rd 50m N. of its intersection with Buena Vista Rd. Entrence to Terry Demo Rng. (Road guard location)	Gate
K-12	104 988	Across Old Lorraine Rd 900m S. of its intersection with Lorraine Rd.	Cable
K-13	109 937	Across Moore Rd 10m N. of its intersection with Bullseye Rd.	Gate
K-14	113 998	Across Moore Rd 10m S. of its intersection with Lorraine Rd.	Gate
K-15	114 999	Across course road leading out of Ruth Range 50m E. of its intersection with Moore Rd.	Gate
K-16	190 003	Across Rinehart Rd 100m W. of its intersection with Box Springs Rd.	Gate
K-17	116 013	Across unnamed trial 15m E. of Moore Rd and 130m N. of Ruth Range tower.	Cable
K-18	122 033	Across Moore Rd. at the northern reservation boundry. Permanenty closed.	Berm
K-19	121 023	Across unnamed trail 1400 meters N. of Ruth Range and 150m E of Moore Rd.	Cable
K-20	141 026	Across unnamed trail off northern boundary trail along railroad tracks 400m E. of Cox Creek ford.	Cable
K-24	219 968	Across Turrentine Rd at reservation boundary. Permanently closed.	Barrier/ Berm
K-25	180 923	Across unnamed trail leading to Shiloh Trail 10m W. of Box Springs Rd. Permanently closed.	Cable
K-26	201 968	Across Turrentine Rd 20m W. of its intersection with Boundary Rd.	Gate
K-28	191 885	Across Whitson Rd 15m W. of its intersection with Cactus Rd.	Cable
K-30	193 916	Across Cactus Rd 150m N. of Pine Knot Creek. Permanently closed.	Gate
K-32	192 915	Across Shamanski Rd 35m W. of its intersection with Cactus Rd.	Gate
K-34	134 932	Across Buzancy Trail at its intersection with Rinehart Rd. Permanently closed.	Berm
K-36	162 882	Across Buena Vista Rd 50m W. of its intersection with Box Springs Rd. (Road guard location).	Gate
K-38	201 941	Across unnamed trail 35m W. of its intersection with the east boundary road. Permanently closed.	Cable
K-39	202 949	Across unnamed trail 15m W. of its intersection with the east boundary road. Permanently closed.	Cable

BLOCK	GRID	LOCATION	TYPE
K-40	174 908	Across Box Springs Rd 30m S. of Pine Knot Creek.	Gate
K-41	192 944	Across Kennesaw Trail 30m W. of its intersection with Box Springs Rd.	Cable
K-42	194 956	Across Box Springs Rd 1200m N. of its intersection with Cactus Rd.	Gate
K-43	197 984	Across Box Springs Rd. approx 450m N. of its intersection with the Hastings Range baseline road.	Cable
K-44	113 955	Across Moore Rd on the North side of Carmouche Range maneuver box.	Gate
K-45	116 964	Across Moore Rd 30m S. of its intersection with the old Ware Range course road.	Gate
K-46	119 979	Across Moore Rd 725m South of its intersection with Americo Trail.	Gate

BLOCK	GRID	LOCATION	TYPE
M-1	009 910	Across Steam Mill Rd 10m E of its intersection with Wildcat Rd.	Gate
M-2	019 938	Across Massey Rd 10 meters S. of its intersection with Buena Vista Rd.	Gate
M-3	046 892	Across Stenay Rd 30m N. of its intersection with 2nd Armored Division Rd.	Gate
M-4	046 935	Across Red Arrow Rd 30m S. of its intersection with Buena Vista Rd.	Gate
M-5	045 933	Across unnamed trail 220 meters SW of its intersection with Red Arrow Rd.	Gate
M-6	058 927	Across Red Arrow Rd 30m W. of its intersection with Midwest Rd.	Gate
M-7	052 923	Across Steam Mill Rd 400 meters S. of its intersection with Red Arrow Rd.	Gate
M-8	021 891	Across unnamed trail on S side of 2nd Armored Div Rd 110m E of entrance to Malone 2.	Gate
M-9	032 937	Across unnamed trail on S side of Buena Vista Rd 200m E of entrance to Young Range.	Gate

BLOCK	GRID	LOCATION	TYPE
O-1	063 979	Across unnamed trail 10 meters N of its intersection with Midwest Rd.	Gate
O-2	058 988	Across Engineer Trail 20 meters N of its intersection with Midwest Rd.	Gate
O-3	056 998	Across unnamed trail 700 meters NE of its intersection with Midwest Rd.	Gate
O-4	078 009	Across unnamed trail 50m N of Gorday DZ.	Gate
O-5	095 995	Across Engineer Trail 100 meters W of its intersection with Lorraine Rd.	Gate
O-6	092 980	Across unnamed trail 10 meters W of its intersection with Lorraine Rd.	Gate

BLOCK	GRID	LOCATION	TYPE
X-1	923 742	Across unnamed road leading to Hite Bowl 20m S. of its intersection with 101st Abn. Div. Rd.	Gate
X-2	916 726	Across Bon Acre Rd 100m from the reservation boundary.	Gate
X-3	919 714	Across unnamed trail at SW corner of Fryar DZ.	Gate

ATSH-OTR
MEMORANDUM FOR WHOM IT MAY CONCERN

8 September 2008

SUBJECT: Standard Operating Procedures for English, Malone 7, Malone 14, Malone 15, Malone 16, Malone 18, and Simpson Range.

PURPOSE: To establish Standard Operating Procedures (SOP) to be utilized for training on English, Malone 7, Malone 14, Malone 15, Malone 16, Malone 18, and Simpson Range.

APPLICABILITY: This SOP applies to all units/activities conducting marksmanship training on English Range, Malone 7, Malone 14, Malone 15, Malone 16, Malone 18, and Simpson. All Officers in Charge (OIC), Non-Commissioned Officers in Charge (NCOIC) and Range Safety Officers (RSO) will become familiar with the guidance of this SOP and all other applicable references.

REFERENCES:

a. USAIC Regulation 210-4, Range, and Terrain Regulation.
b. FM 3-22.9, Rifle Marksmanship M16A1, M16A2/3, M16A4 and M4 Carbine.

SCHEDULING: All units/activities will have all appropriate and approved documents from the Range Management Officer, Request Summary, FB 210-4-3-R, Scenario, 144R, Record of Environmental Consideration, Daily Risk Management Worksheet, Risk Management Worksheet (FB Form 46-R, and all appropriate FM's and TM's for all weapons being fired on the range and a valid range safety card.

NOTE: **Units/Activities scheduled to conduct training on English, Malone 7, Malone 14, Malone 15, Malone 16, Malone 18 and Simpson Range are required to contact the Sustainable Range Program (SRP) Coordination Office at 545-5677 one (1) day prior to the execution of the training event. The SRP Coordination personnel assigned to the range will have the following current documents listed above except for the daily risk management worksheet, request summary and range safety card for the OIC and RSO. Units/Activities requesting to divert from the standard packet will have to get approval in writing from Chief, Range Division. Requests to schedule target systems support will be noted in RFMSS. Due to limited target systems resources, it is imperative that realistic firing time requirements be scheduled. Final coordination by unit POC is required with Target System Branch two weeks prior to requested dates in order to ensure adequacy of support (POC is Mr. Putz @ 545-3037).**

GENERAL: Units/Activities will have a SRP Coordinator from Range Control to check/clear them prior to requesting an opening/closing code. The red range flag will be displayed on the flagpole at the entrance to the range prior to executing any training and

removed prior to departing the range. Units will give a safety briefing/range orientation prior to training. Weapons will be rodded prior to the issuing of approved ammunition and prior to proceeding to the firing line. All commands will be given from the control tower. The clearing barrels or clearing rods will be utilized when a firer has completed all firing and before departing the firing line. Firers will file past the clearing barrels one at a time and clear their weapons supervised by clearing safety officer. The unit/activity will have the option to use either the clearing barrel or the one-piece brass rod to clear all weapons off the firing line. Firers will lock and load only when instructed by the control tower. Soldiers will fire in their lanes only and no cross firing is allowed on range. Firers will be under the direct control of the OIC/RSO at all times. Safeties will assist with control of all firers on the firing line. All weapon malfunctions will be attended by the cadre only and will be IAW FM 3-22.9. Night firing will be from the twenty-five meter (25m) firing line only (See note below). Removal of all trash and debris from the ammunition point and range support facilities will be the using unit's responsibility prior to departing the range.

NOTE: Night firing will be conducted on English Range and Malone 14.

MEDICAL: Medical personnel and equipment on site will be IAW unit POI and risk management worksheet with appropriate risk level for the type of training being conducted. MEDEVAC will be IAW USAIC Regulation 210-4 and AR 40-2.

LASERS: PAQ4, PEQ2A, and similar lasers are authorized for use. Laser warning signs will be posted and visible to everyone on the range prior to any laser utilization. Laser hazards will be included in the safety briefing and risk management worksheet. Laser utilization on Fort Benning will be IAW USAIC Regulation 210-4.

AMMUNITION POINT: Weapons and open flames are prohibited within fifty (50ft) of all ammunition points on the range. Two (2) bicarbonate fire extinguishers will be available at all times. The ammunition Non-Commissioned Officer will control all issue and receiving of all unused ammunition. Ammunition will only be issued to firers when all safety procedures are adhered to and the firer is ready to proceed to the firing line safely. Weapons will not be loaded when departing the ammunition point. Only authorized weapons and ammunition will be issued, stored and present on the range.

SAFETY: If hazardous conditions present immediate danger to life or property, training will cease until the hazard has been removed. Safety will not be compromised for any reason. Anyone observing an unsafe act will immediately stop training and notify the OIC/RSO/NCOIC and Range Control IAW USAIC Regulation 210-4 of the safety violation or incident.

a. Smoking is not permitted during training. A smoking area designated by the OIC will be a minimum of One-Hundred (100ft) feet from all flammables.
b. All meals will be eaten in the designated mess area and all trash will be policed by the unit and removed from the range (See sketch).
c. If a fire occurs in an area being used by a unit, the unit commander, ranking officer or NCO will be responsible for compliance with USAIC Regulation 210-4. The unit commander or senior person present will promptly report the fire and be responsible for suppression of the fire until Natural Resources Branch personnel arrive at the scene. All personnel and equipment present at the scene of fire will be made available to Natural Resources Branch personnel for fire suppression purposes.
d. Misfire procedures are explained in the appropriate weapon and/or ammunition technical manual and field manuals. When immediate action or remedial action fails to reduce the malfunction, contact the Ammunition and/or Weapons Inspector through Range Control.
e. When a malfunction is experienced, the Officer in Charge or Range Safety Officer will suspend all firing and immediately notify Range Control, DPTM, via radio. RETAIN THE WEAPONS AND ALL COMPONENTS AND AMMUNITION INVOLVED IN PLACE. An investigation is required and will be conducted by DOL Maintenance Division Inspector (545-2279) and DOL QASAS/Ammunition Inspector (544-7490/7489/6015). Range Control will make the appropriate notifications.

for Frederick E. Weekley, JR.
Chief, Range Division
Directorate, Plans, Training,
Mobilization and Security

DEPARTMENT OF THE ARMY
HEADQUARTERS UNITED STATES ARMY INFANTRY CENTER
FORT BENNING, GEORGIA 31905-5000

REPLY TO
ATTENTION OF

Policy Memorandum 350-1-10

IMSE-BEN-PL (350)

5 December 2006

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: US Army Infantry Center (USAIC) Small-Arms Weapons Clearing Barrel Policy

1. REFERENCES:

a. FM 3-22.9, Rifle Marksmanship M16A2/3/4 and M4.

b. FM 3-23.35, Combat Training with Pistols M9/M11.

c. Soldier Training Publication (STP) 21-1-SMCT, Soldier's Manual of Common Tasks Skill Level 1, 1 Oct 01.

d. Soldier Training Publication (STP) 21-1-SMCT, Soldier's Manual of Common Tasks Skill Level 2-4, 1 Oct 01.

e. Weapons Handling Procedures Card, US Army Combat Readiness Center, March 2006.

f. Memorandum, Headquarters US Army Forces Command, subject: US Army Forces Command Small Arms Weapons Safety Policy, dated 3 Apr 2003.

2. PURPOSE: To establish procedures for construction, emplacement, and use of weapons clearing barrels for Soldiers engaged in weapons operations on Fort Benning ranges. When fully emplaced and safety certified by Range Division, clearing barrels may be used in lieu of rodding weapons when approved by the using unit's brigade commander. This policy applies to only light weapons (M9, M16, M4, and M249).

3. GENERAL GUIDELINES: Accidental weapon discharges have increased at an alarming rate. In some cases, discharges have cost the lives of Soldiers. Most discharges are both preventable and unacceptable. Commanders and leaders will enforce the following weapons safety, clearing procedures, and standards for weapons clearing barrels. The premise is there is no difference between unloading and clearing a weapon. Unloading a weapon is simply one step in the process of clearing. At no time should a weapon be unloaded and not cleared. For those Soldiers in Initial Entry Training (IET), this policy is an extension of the Weapons Immersion Policy.

a. Commanders and leaders will ensure all Soldiers are properly trained on how to and when to clear a weapon. These procedures will be reinforced whenever weapons are used.

c. Clearing barrels must be constructed according to Fort Benning standards (enclosure 1). Requests for approval of alternate devices must be approved by the G-3/Director of Operations and Training.

d. Weapons clearing procedures will be posted next to clearing barrels for ready reference (enclosure 2). Clearing procedures are the steps necessary to verify that a weapon is safe and must be performed according to the weapons technical manual. Instructions for the M9, M16 and M4, and M249 are in STP 21-1-SMCT, STP 21-24-SMCT, and other US Army Training and Doctrine Command military occupational specialty STPs.

e. The two-person rule will apply when clearing weapons at the clearing barrels. The first-line supervisor or a Soldier/leader senior in rank to the Soldier clearing his/her weapon will observe all clearing procedures. Ultimately, the using unit's commander is responsible for ensuring the weapon is safe. The rodding of weapons remains a commander's option on those ranges that have weapons clearing barrels.

f. All accidental weapon discharges involving ball ammunition will be reported via a serious incident report (SIR) by the user unit on the range through the chain of command to the G-3/Director of Operations and Training. The primary purpose is to keep the chain of command informed on all ball ammunition discharges into clearing barrels. If a clearing barrel receives five or more discharges, then that barrel will be assessed as unsafe, emptied of contaminated sand, and refilled before it may be used again.

4. CLEARING-BARREL CONSTRUCTION

a. The Fort Benning standard is a 55-gallon container, a minimum of 20 inches in width and 30 inches deep, painted red, and filled with #10 sieved sand. Barrels will be emplaced at a 45-degree angle into the earth or encased in sandbags at a height and angle to permit safe and smooth firearms clearing (in general, pointed down and into the ground). As required, additional sandbags will be used to mitigate the potential of any angle fire (+3 degrees) that may result in a side penetration of the clearing barrel.

b. The barrel lid will have a ¾ -inch piece of plywood or ¾ -inch thick rubber matting covering the diameter of the container fitted directly behind the lid to reinforce against muzzle blast. The barrel lid will have an aiming point in the center of the front lid at least 4 inches in diameter and 1 inch in depth. Hinges and hasp-like devices will be attached to ensure lids remain secure.

c. The sand used in the barrels must be #10 sieved to ensure it is free of rocks or other debris, and must be a minimum 25 inches in depth (minimum 5.56-mm penetration) from center to bottom. The sand must be kept dry, since the properties of wet sand can cause ricochets. If the clearing barrel is located outdoors, removable covers will be used.

d. The ground area below the clearing barrel should be covered by a rubber or other resilient matting. A 36-inch safety zone should be marked on the ground or area immediately surrounding

the clearing barrel with a 4-inch line. Barrels will be visually checked prior to any live fire by the commanders and range safety officer for settling and refilled as required. All clearing barrels will be checked annually to ensure the maintenance of construction standards. Commanders will document this annual check as part of their self-inspection program, and indicate this check in their risk management worksheets.

e. Brigade commanders will assess and determine where and how many barrels best meet their needs. Units are not authorized to build, modify, or otherwise make permanent or temporary changes to ranges, training areas or training apparatus without prior approval of G-3 and Range Division. (USAIC Regulations 420-8, Facilities Engineering Construction, Maintenance and Repair of Real Property). Initially, a minimum of two clearing barrels will be emplaced on each live light weapons range.

5. WRITTEN PROCEDURES: Written firearms clearing procedures will be posted above each clearing barrel for each type of Army firearm the barrel can support (M9, M16, M4, and M249). Written instructions will be in print large enough to ensure easy reading from inside the clearing zone. Uniform signs will be produced and posted by the Commander, US Army Garrison Fort Benning.

6. CLEARING BARREL SUPERVISOR: Commanders (brigade, battalion, & company) will ensure only trained responsible individuals perform duties of clearing barrel supervisor. Clearing barrel supervisor's responsibility is to ensure safe handling of all weapons and use standardized loading and clearing procedures. Additional duties include: (1) assuring Soldiers clearing weapons enter and exit the clearing barrel area only upon his/her direction; (2) ensuring Soldiers approach the clearing barrel with their weapons at the modified "low ready" with barrel pointed down range; and (3) assuring Soldiers keep the muzzle of their weapon inside the clearing barrel aiming point (minimum 1 inch in line with barrel center line) during weapons clearing procedures. The same standards will be applied for both day and night live fires.

7. CLEARING ZONE: The clearing barrel supervisor must allow only one individual at a time in the weapons handling or clearing zone. All other personnel waiting their turn to perform weapons handling and clearing procedures must form a line along the firing line (live) or behind the designated area (blank). The marked line of demarcation should be located at least 6 feet from the clearing barrel.

8. CONCLUSION: Weapons safety procedures are the commander's business and will be strictly enforced by the entire unit chain of command. Comprehensive preliminary marksmanship instructions must be conducted by all units before range zero, familiarization, and qualification. All Soldiers must be competent and confident in handling their assigned weapon(s).

9. PROPONENT: Mr. Fred Weekly, Chief, Range Operations, DPTM, (706) 545-4619 or email: weekleyf@benning.army.mil.

FOR THE COMMANDER:

5 Encls

DAVID H. LING
Colonel, Infantry
Chief of Staff

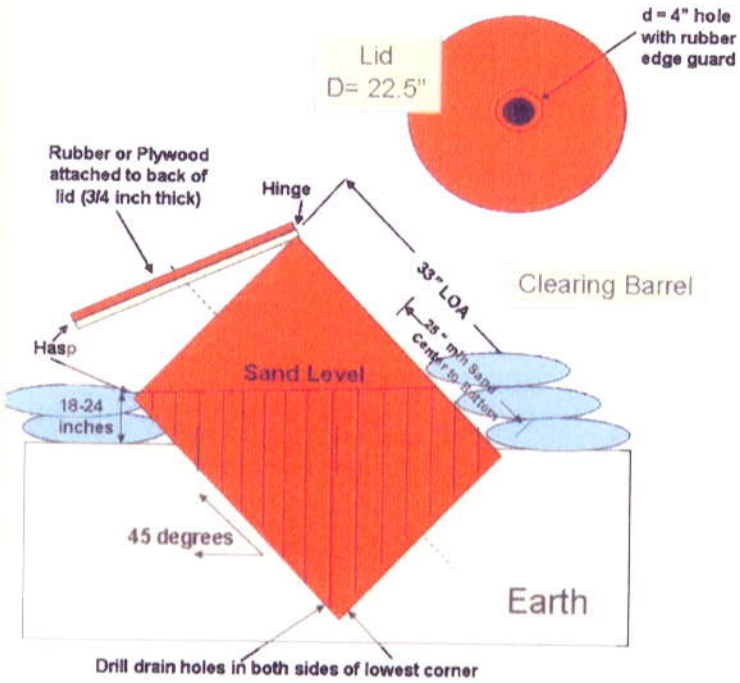
DISTRIBUTION:
Dir's & Admin Lists

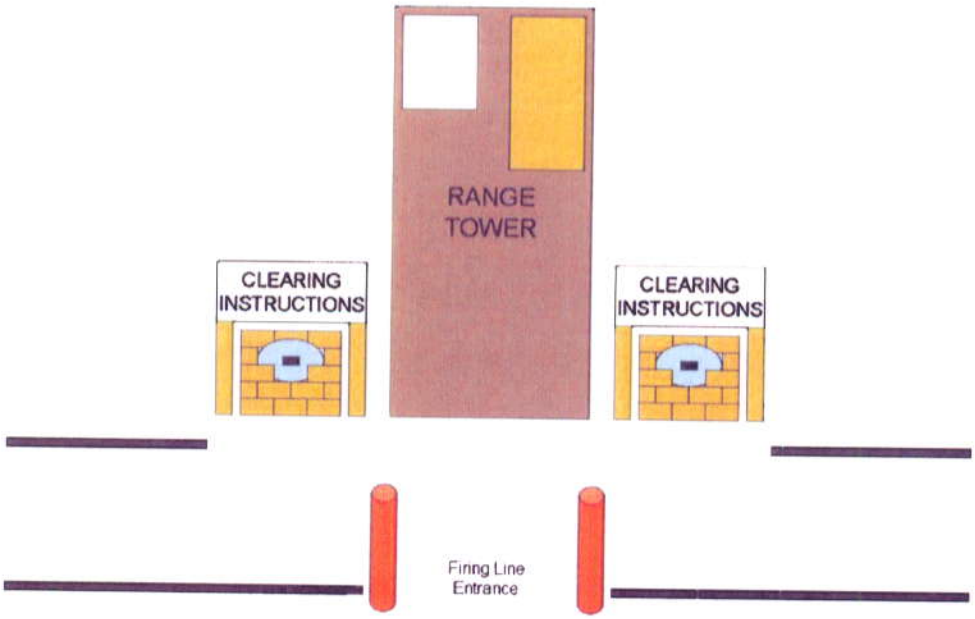
Enclosure 1: Weapon Clearing Barrel Design

Weapon Clearing Barrel Design

Specifications

- **Type drum**: 55 gal
- **Painted Color**: Red
- **Emplacement**: Buried in earth (prevents relocation) on existing firing line consistent with range SDZ
- **Barrel Angle**: 45 degrees
- Internal Material: #10 sieved sand min. 25 inches deep (assumes wet sand)
- **Sand Bags**: Min. 1 bag deep x 2-3 bags high around barrel on ground surface (mitigates 25 inches penetration at +3 degrees angle fire inside barrel)
- **Barrel Spacing**: Min. 6 feet between barrels (3 x 3 clearing zone for each barrel)
- **Weapons Use**: M9, M16, M4, and M249 (does not support 7.62mm or .50 cal penetration)





APPENDIX E - M240B MACHINE GUN

Unloading and Clearing Procedures

WARNING: DO NOT INSTALL OR REMOVE A LOADED WEAPON FROM A MOUNTING BRACKET.

1.) Orient weapon in a safe direction (Clearing lane).
2.) Ensure weapon is on SAFE. NOTE: If the bolt is in the forward position place the weapon on FIRE. Pull the cocking handle to the rear, locking the bolt to the rear. Place the weapon on SAFE.
3.) Push in latches to open cover assembly.
4.) Remove ammunition belt.
5.) Check the feed tray.
A. Lift the feed tray and inspect the chamber.
B. Check the space between the face of the bolt and the chamber, to include the space under the bolt and operating rod assembly.
6.) Close feed tray and feed tray cover.
7.) Place safety on FIRE.
8.) Pull and hold charger cable (or cocking handle assembly) to rear, pull trigger and ease bolt forward to close and lock.

APPENDIX F - M4 RIFLE (5.56MM)

Unloading and Clearing Procedures

1.) Orient weapon in a safe direction (Clearing container if available).
2.) Remove the magazine from the weapon.
3.) Attempt to place weapon selector lever on SAFE.
4.) Lock bolt to rear (ensure weapon is on SAFE).
5.) Inspect the receiver and chamber to ensure no ammunition is present.
6.) With NO ammunition in chamber or receiver allow the bolt to go forward.
7.) Aim weapon into clearing container, rotate selector lever to SEMI, and squeeze the trigger.
8.) Charge weapon once.
9.) Place selector lever on SAFE.

APPENDIX G - M16 RIFLE (5.56MM)

Unloading and Clearing Procedures

1.) Orient weapon in a safe direction (Clearing container if available).
2.) Remove the magazine from the weapon.
3.) Attempt to place weapon selector lever on SAFE.
4.) Lock bolt to rear (ensure weapon is on SAFE).
5.) Inspect the receiver and chamber to ensure no ammunition is present.
6.) With NO ammunition in chamber or receiver allow the bolt to go forward.
7.) Aim weapon into clearing container, rotate selector lever to SEMI, squeeze the trigger.
8.) Charge weapon once.
9.) Place selector lever on SAFE.

APPENDIX H - M9 (9MM) SEMIAUTOMATIC PISTOL

Unloading and Clearing Procedures

1.) Orient weapon in a safe direction (clearing container, if available).
2.) Place decocking/safety on SAFE.
3.) Depress the magazine release button and remove the magazine.
4.) Grasp the slide narrations and fully retract the slide to remove the chambered cartridge.
5.) Lock the slide to the rear, using the slide stop, and visually inspect chamber to ensure it is empty.
6.) Release the slide STOP to allow the slide to return fully to the forward position.
7.) Place weapon on FIRE.
8.) Squeeze trigger.
9.) Place weapon on SAFE.

APPENDIX I - M249 SQUAD AUTOMATIC WEAPON

Unloading and Clearing Procedures

WARNING: DO NOT INSTALL OR REMOVE A LOADED WEAPON FROM A MOUNTING BRACKET.

1.) Orient weapon in a safe direction (clearing container if available).
2.) Remove magazine.
3.) Ensure the weapon is on SAFE. If weapon is not on SAFE, with right hand palm up, pull cocking handle to the rear, locking the bolt in place.
4.) While holding cocking handle, move selector lever to the SAFE position by pushing it to the right until the red ring is not visible.
5.) Return and lock the cocking handle to the forward position.
A. Squeeze latches to open cover assembly.
B. Remove ammunition belt and any loose rounds present on the feed tray.
6.) Conduct a 5-point safety check:
   1) Check the feeder pawl assembly under the cover.
   2) Check the feed tray assembly.
   3) Lift the feed tray assembly and inspect chamber.
   4) Check the space between bolt assembly and chamber.
   5) Insert two fingers into the magazine well to extract any brass, links, or ammunition.
7.) Close the feed tray cover.
8.) With the right hand palm up, pull the cocking handle to the rear. While holding the cocking handle, place the weapon on FIRE. Squeeze the trigger and ride the bolt forward.

Note: The US Army Combat Readiness Center Card for Weapons Handling Procedures (reprinted March 2006) is provided separately with this policy.

Enclosure 3: Range Priority of Emplacement of Clearing Barrels

All weapons clearing barrel work orders for ranges and training areas are to be submitted on DA Form 4283, Facilities Engineer Work Request, through Range Division Safety/Service Branch. Range Division will validate process and track the work order to completion. DOL will construct all clearing barrels to be used on ranges and in training areas (permanent emplacement). Units are not authorized to build, modify, or otherwise make permanent or temporary changes to ranges or training areas without prior approval of the G-3/Director for Operations and Training and the Range Division (DPTM) USAIC Regulation 420-8, Facilities Engineering Construction, Maintenance and Repair of Real Property).

A minimum two clearing barrels will be constructed and emplaced on all applicable ranges. Over time, additional barrels will be added as required. The initial priority of effort will be as follows:

Range
Malone 3
Malone 8
Patton
Malone 4
Malone 5
Malone 12
McAndrews
Porter
Malone 2
Malone 7
Malone 9
Malone 11
Malone 14
Malone 15
Malone 16
Malone 17
Malone 18
Malone 21
Simpson
Roosevelt
Shelton
Burroughs
Maertens
Babin CLFX
Ware CLFX

Enclosure 4: Standard Operating Procedures for IET Clearing Barrel Techniques

Soldiers will enter and exit the range at the modified low ready. After firing their assigned weapon, Soldiers will clear their weapon down range through the following techniques:

a. Soldiers will place their weapons on safe.

b. Soldiers will drop the magazine, lock bolt to rear, and observe the magazine well, bolt face, and chamber ensuring the weapon is clear of brass and rounds. The Soldier will announce to his coach or battle buddy that he has visually cleared the weapon. (The coach or battle buddy must observe the process or the Soldier will be required to repeat it.) Due to the Soldiers' initial inexperience during Basic Rifle Marksmanship, a cadre member will visually inspect each weapon to ensure the Soldier properly cleared it.

c. To verify that the weapon is clear, each Soldier will proceed to the clearing barrel. Carrying his/her weapon at the low ready, he/she will dry fire the weapon into the barrel. He/she will then place the weapon on safe returning the weapon to GREEN status (enclosure 5). Unit Commanders can, at this point, direct either rodding or supervisory oversight by a cadre member (clearing barrel supervisor) of this action.

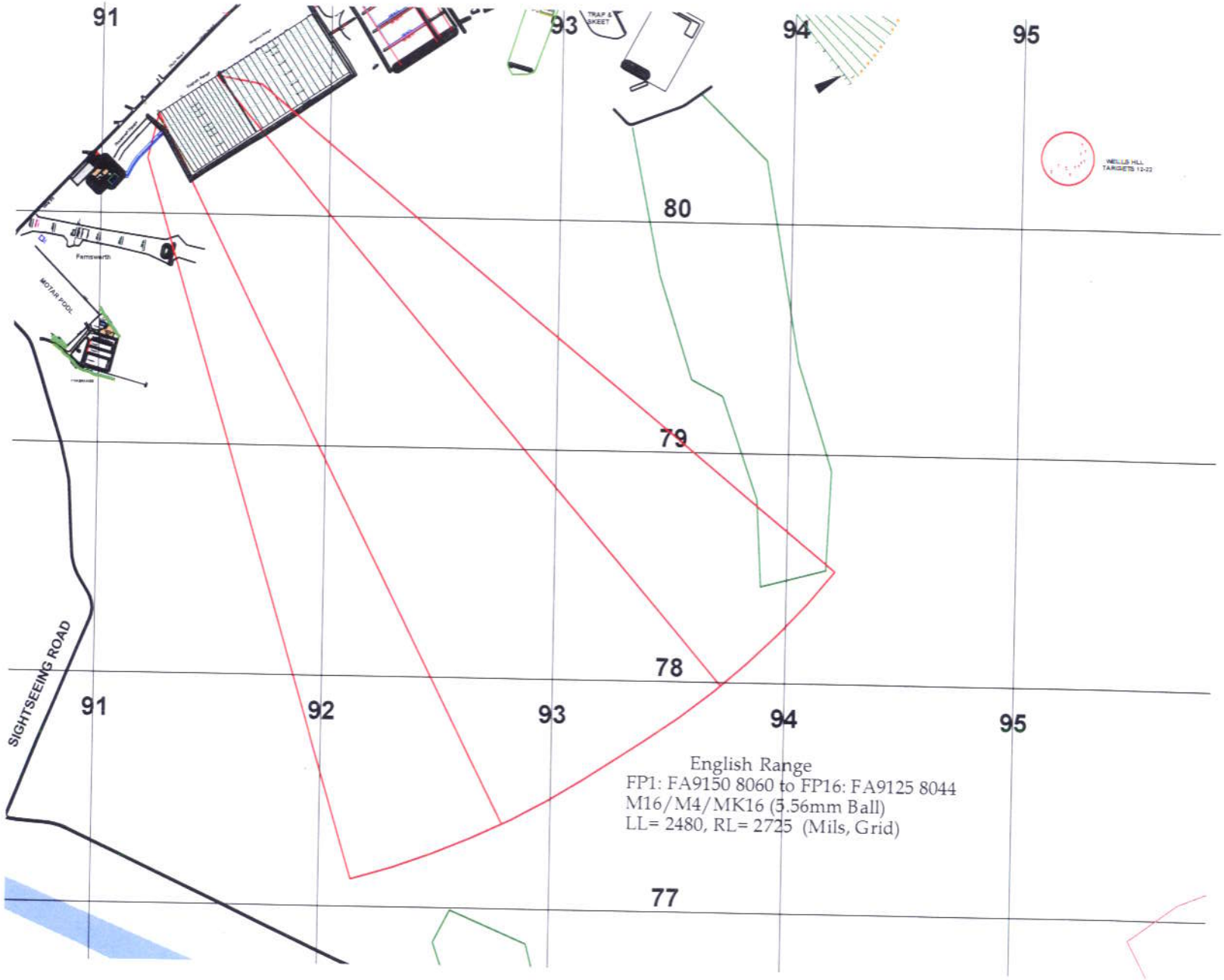
d. The Soldiers will then proceed to the ammunition point to turn in unused ammunition and empty magazines.

Enclosure 5: Weapons Status Levels.

Rules of engagement and weapons status levels will be clearly defined for each range profile and established for all troop locations. For IET Soldiers, brigade commanders may transition from standard range tower firing commands to weapons status commands as IET Soldiers gain confidence and competence in their training, equipment, and leaders. If used, risk management worksheets and unit standard operating procedures must be updated before full implementation on live fire ranges.

Weapon Status

WEAPON	GREEN	AMBER	RED
M9	Weapon Cleared And On Safe; Magazine Out Of Weapon.	Magazine In Weapon; No Round In Chamber; Weapon On Safe.	Magazine In Weapon; Round Chambered; Weapon On Safe.
M16	Weapon Cleared And On Safe; Magazine Out Of Weapon.	Magazine In Weapon; No Round In Chamber; Weapon On Safe	Magazine In Weapon; Round Chambered; Weapon On Safe.
M203	Weapon Cleared And On Safe; Rounds Carried	No Round In Chamber; Weapon On Safe; Ammo Ready.	Round Chambered; Weapon On Safe.
M249	Weapon Cleared And On Safe; Ammo Carried.	Half Cocked - Bolt Forward; Weapon On Safe Rounds In Tray; No Round In Chamber.	Weapon Charged-Open Bolt Position; Ammo in feed tray; Weapon On Safe.
M240B	Weapon Cleared And On Safe; Ammo Carried.	Weapon On Safe; Bolt Forward; Rounds In Tray; No Round In Chamber.	Weapon Charged-Open Bolt Position; Ammo in feed tray; Weapon On Safe.
M240	Weapon Cleared And On Safe; Ammo Stowed.	Weapon On Safe; Bolt Forward; Rounds In Tray; No Round In Chamber.	Weapon Charged-Open Bolt Position; Ammo in feed tray; Weapon On Safe.
M60	Weapon Cleared And On Safe; Ammo Carried.	Weapon On Safe; Bolt Forward; Rounds In Tray; No Round In Chamber.	Weapon Charged-Open Bolt Position; Ammo in feed tray; Weapon On Safe.
M2	Weapon Cleared And On Safe; Ammo Stowed.	Weapon On Safe; Bolt Forward; Rounds In Tray; No Round In Chamber.	Weapon Charged; Round In Chamber; Weapon On Safe.
MK19	Weapon Cleared And On Safe; Ammo Stowed.	Weapon On Safe; No Round In Chamber; Ammo In Feed Tray.	Rounds on face of bolt; Weapon On Safe; Charged open bolt position.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SIGHTSEEING ROAD
English Range
FP1: FA9150 8060 to FP16: FA9125 8044
M16/M4/MK16 (5.56mm Ball)
LL= 2480, RL= 2725 (Mils, Grid)