

TRANSMITTAL, ACTION AND CONTROL

SGS LOG:	IN SGS:	OUT SGS:	DATE PREPARED: 01 FEBRUARY 2009
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SUBJECT: **U S ARMY MARKSMANSHIP UNIT RANGE SAFETY WAIVER, PARKS RANGE**

ACTION OFFICER/OFFICE SYMBOL/PHONE NUMBER: SFC Janet Sokolowski, (706) 545-7174	DIRECTOR'S /COMMANDER'S SIGNATURE: <i>Daniel P. Hadne</i> Frank Muggeo, LTC, SF, Commanding <i>2009 May 14</i>
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<input checked="" type="checkbox"/> SIGNATURE	<input checked="" type="checkbox"/> APPROVAL	<input type="checkbox"/> INFORMATION
<input checked="" type="checkbox"/> SGS	<input checked="" type="checkbox"/> Dep CofS	<input type="checkbox"/> Garrison CSM
<input checked="" type="checkbox"/> GC	<input checked="" type="checkbox"/> CofS, USAIC	<input type="checkbox"/> USAIS CSM
	<input checked="" type="checkbox"/> DCG	<input type="checkbox"/> USAIC CSM
		<input checked="" type="checkbox"/> G3
		<input checked="" type="checkbox"/> CG

PURPOSE:
To obtain the Commanding General's approval and signature on the Parks Range Safety Waiver.
(ENCLOSURE 1)

RECOMMENDATION:
That each agency listed review for supportability and comment back NLT the indicated Suspense.

DISCUSSION:

a. The Parks Range Test Bay Area inspects, certifies, and approves various weapons. The weapons are mounted on a stationary vice and can only go down range into the impact area at the same point every time it is fired.

b. The Parks Range All Army / Training/ Qualification Area is used for Train-The-Trainers, Qualifications, Operations, and Competitions to include hosting State, Regional, National, and International Matches.

c. Range Control Survey Branch, using submitted Fort Benning Form 210-4-3-R, (Firing/Nonfiring Data Form) for Parks Range Test Bay Area, inspected the range to ensure the range was in compliance with DA PAM 385-63 and AR 385-63.

d. During the Parks Range Test Bay Area inspection, it was determined that the surface danger zone extends across Sunshine Road, the Chattahoochee River, and into the Alabama portion of the installation.

CONTINUED ON NEXT PAGE:

C = CONCUR
 CW/C = CONCUR WITH COMMENT
 NC = NONCONCUR (comment required)
 C/DEF = CONCUR BY DEFAULT

Failure to respond by the suspense date implies concurrence.

S: COB 20 FEBRUARY 2009 **COORDINATION/APPROVAL**

OFFICE	ACTION	NAME AND DATE	OFFICE	ACTION	NAME AND DATE
SURVEY	CONCUR	T. BOLDING			
RANGE DIV	<i>Concur</i>	<i>DE W... 23 Feb 09</i>			
SAFETY	CONCUR	M. RISHER			
DOT	<i>Concur</i>	<i>[Signature]</i>			

STAFF REMARKS: (Command Group Use Only)	APPROVAL AUTHORITY: APPROVED: DISAPPROVED: NOTED:
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e. CONTINUED:

Controlling factors are as follows: Parks Range is a Known Distance training range used by the USAMU in which commands are given to control firing at target points on the All Army/Training/Qualification Area or Test Bay Area testing weapons placed into a mount and locked into place by a vice to eliminate movement when fired. All firing on Parks Range is under controlled conditions restricted to Competitors/Military Personnel, USAMU members as Instructors/Trainers, Range Safety Officers, competitors such as Civilian and Armed Forces personnel, and Soldiers Rifle/Pistol qualifications. USAMU Combat/Action/Service Rifle/Pistol Sections, and Custom Fire Arms Shop routinely test, execute, compete, instruct blankfire, and live fire training under controlled conditions. All Personnel are under controlled conditions entering and exiting the Target Pit Areas. The quality of training of USAMU Soldiers is specialized in tactical and competitive marksmanship and focused on world class shooting, which includes and exceeds Army qualification standards. The weapons and ammunition being used have been certified, inspected, and are of the highest quality match grade equipment. USAMU personnel have been trained, certified, and are continuously enhancing weapons testing and marksmanship skills through Civilian and Military instruction. The number of Instructor to Students ratio achieves and exceeds range safety requirements with all factors of safety taken into consideration. USAMU has taken precautions to ensure proper use of all steel targets, are enforced. The OIC ensures the target positioning will not violate the Left and Right limits. The OIC will also ensure targets will be positioned at the base of the berm to avoid Competitors/Military Personnel from shooting over the top of the berm compartment. All steel targets will be set up and removed by USAMU personnel in which the steel will be pointed downward to reduce ricochet. Competitors/Military Personnel will engage targets from a safe distance in IAW the limitations described in the USAMU SOP for use of Steel Targets (Enclosure 5) and the Fort Benning Form 210-4-3-R scenario.

The berm on Parks Range is approximately 10 ft. high and 16 meters wide. Beyond the impact area, the terrain is heavily forested. Based upon firing on Parks Range Test Bay Area from a fixed vice position to a fixed target, and controlling factors just mentioned for the All Army/Training/Qualification Area, the distance to Sunshine Road, as well as the low angles of elevation for firing, the statistical probability of any rounds extending beyond Sunshine Road, the Chattahoochee River, and the Alabama portion of the installation are miniscule.

f. We request areas to be waived as follows: The surface danger zone for the Test Bay Area that extends across Sunshine Road, the Chattahoochee River, and into the Alabama portion of the installation. We also request the use of Steel Targets on the Parks Range All Army/Training/Qualification Area, IAW USAMU SOP for use of Steel Targets (Enclosure 5) and the Fort Benning Form 210-4-3-R scenario. Risk management factors were considered in the development of the range safety waiver and the conclusion of low risk was reached (Enclosure 4). A range waiver for Parks Range has been granted annually by the Commanding General.

g. This waiver authority TRADOC REG 385-2, 27 January 2000, Paragraph 6-3 Range Safety Waivers, specifies procedures for granting waivers of range safety criteria contained in AR 385-63 and DA PAM 385-63, which authorizes MACOM commanders to waive specific safety criteria. This waiver authority is delegated to general officers commanding TRADOC installations. It shall not be further delegated. (Enclosure 2).

RECOMMENDATION: That the Commanding General sign the waiver at Enclosure 1. This waiver is valid for 1 year. In the event of an accident arising from use of this range under these waived conditions, the waiver becomes invalid until reinstated by this headquarters.



REPLY TO
ATTENTION OF

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

ATAL-BM-C

15 MAY 2009

MEMORANDUM FOR DIRECTORATE OF OPERATIONS AND TRAINING,
ATTN: ATSH-OTR, USAIS, FORT BENNING, GA 31905-5593

SUBJECT: Range Safety Waiver – Parks Range

1. REFERENCES:

- a. AR 385-63, Range Safety, 19 May 03.
- b. DA PAM 385-63, Range Safety, 12 Apr 03.
- c. Memorandum, HQ TRADOC, ATCS-S, 10 Oct 00, Subject: Authority to Waive Safety Criteria contained in AR 385-63.

2. The controlling factors are as follows: Parks Range is a Known Distance training range used by the USAMU in which commands are given to control firing at target points on the All Army/Training/Qualification Area or Test Bay Area, testing weapons placed into a mount and locked into place by a vice to eliminate movement when fired. All firing on Parks Range is under controlled conditions restricted to Competitors / Military Personnel, USAMU members as Instructors/Trainers, Range Safety Officers, competitors such as Civilian and Armed Forces personnel, and Soldiers Rifle/Pistol qualifications. USAMU Combat/Action/Service Rifle/Pistol Teams, and Custom Fire Arms Shop routinely test, execute, compete, instruct blankfire, and live fire training under controlled conditions. All Personnel are under controlled conditions entering and exiting the Target Pit Areas. The quality of training of USAMU Soldiers is specialized in tactical and competitive marksmanship and focused on world class shooting, which includes and exceeds Army qualification standards. USAMU personnel have been trained, certified, and are continuously enhancing weapons testing and marksmanship skills through civilian and military instruction. The number of Instructor to Students ratio achieves and exceeds range safety requirements with all factors of safety taken into consideration. USAMU has taken precautions to ensure proper use of all steel targets, are enforced. The OIC ensures the target positioning will not violate the Left and Right limits. The OIC will also ensure targets will be positioned at the base of the berm to avoid Competitors / Military Personnel from shooting over the top of the berm compartment. All steel targets will be set up and removed by USAMU personnel in which the steel will be pointed downward to reduce ricochet. Competitors / Military Personnel will engage targets from a safe distance in IAW the limitations described in the USAMU SOP for use of Steel Targets (Encl 5) and the Fort Benning Form 210-4-3-R scenario. Prior to routine testing, all USAMU personnel will observe right/left limits, safety briefings, overall range layout, and target areas.

ATAL-BM-C

SUBJECT: Range Safety Waiver – Parks Range

3. The berm on Parks Range is approximately 10 ft. high and 16 meters wide. Beyond the impact area, the terrain is heavily forested. Based upon firing on Parks Range Test Bay Area from a fixed vice position to a fixed target, and controlling factors just mentioned, the distance to Sunshine Road, as well as the low angles of elevation for firing, the statistical probability of any rounds extending beyond Sunshine Road, the Chattahoochee River, and into the Alabama portion of the installation are miniscule. Risk management factors were considered in the development of the range waiver and the conclusion of low risk was reached (Encl 4).

4. Under the provisions mentioned above, the areas to be waived are as follows: the surface danger zone for the Test Bay Area that extends across Sunshine Road, the Chattahoochee River, and into the Alabama portion of the installation, as shown in enclosure 3. We also request the use of Steel Targets on Parks Range, IAW USAMU SOP for use of Steel Targets (Encl 5) and the Fort Benning Form 210-4-3-R scenario. This waiver is valid for a one-year period. In the event of an accident arising from use of the range under these waived conditions, this waiver becomes invalid until reinstated by this headquarters.

5. POC for this action is SFC Janet Sokolowski, S-3 Range NCOIC, USAMU, 706-545-7174/DSN 835-7174 or janet.sokolowski@usaac.army.mil.

5 Encls

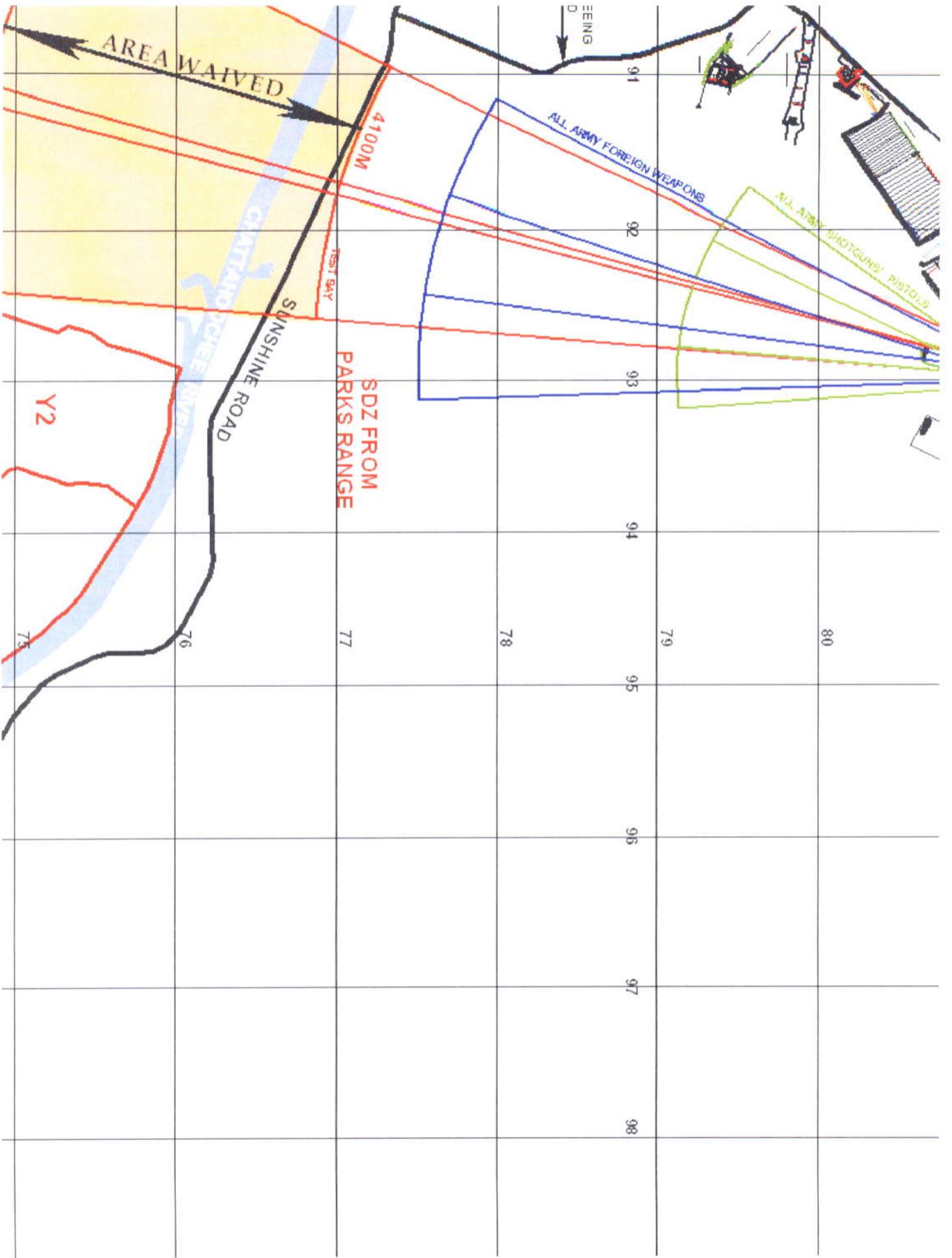
1. Safety Waiver Memorandum
2. Authority to Waive Safety Criteria
3. Map Depicting SDZ to be Waived
4. Risk Management Worksheet
5. USAMU SOP for Using Steel

CF:

Commander, USAMU
Combat Readiness Office
Commander, TRADOC, ATTN: ATCS-S



MICHAEL D. BARBERO
Major General, USA
Commanding General



COMPOSITE RISK MANAGEMENT WORKSHEET

For use of form, see FM 100-14; the proponent agency is TRADOC

1. MSN/TASK **WEAPONS TESTING** 2a. DTG BEGIN **5-Feb-09** 2b. DTG END **5-Feb-10** 3. DATE PREPARED (YYYYMMDD) **20090115**
PARKS RANGE

4. PREPARED BY

a. LAST NAME **STEVEN C. YOUNG** b. RANK **SFC** c. POSITION **USAMU NCOIC, CUSTOM FIRE ARMS SHOP SECTION**

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO?)	12. WAS CONTROL EFFECTIVE
Conduct small arms training, matches, and qualifications	Personnel injury due to accidental discharge of a weapon.	M	Weapons only loaded and unloaded on the firing line or test facility; Shooters trained in weapons and Range Safety. Weapons maintained to high standards, tested weapons are mounted on a stationary vice and can only go down down range into the impact are at the point every time it is fired. Range Officer and Safety Officer must complete Range Safety Class. Combat Lifesaver and Bag on range. Hearing Protection available and worn. Armed Forces Personnel, Civilians, VIP, and Junior Shooters will have Military supervision. Junior Shooter's consent form signed by adult guardian.	L	IAW: RANGE SOP USAMU SOP USAIC Reg 210-4 AR 385-63 DA PAM 385-63	RANGE NCOIC RSO OIC LINE SAFETY COMBAT LIFESAVER	
Daily Risk Management Worksheet	General Range Hazards	L	Range opened and closed with Range Control, range flag, and barricades in place during firing. Firing terminated during periods of limited visibility. Cease Fire implemented if authorized personnel observed down range. 100% monitoring of the radio.	L	IAW: Range SOP USAMU SOP USAIC Reg 210-4 AR 385-63 DA PAM 385-63	RANGE NCOIC RSO OIC LINE SAFETY COMBAT LIFESAVER	

13. OVERALL RISK LEVEL AFTER CONTROLS ARE IMPLEMENTED (CHECK ONE)

LOW MODERATE HIGH EXTREMELY HIGH

Additional space for entries in Items 5 through 11 is provided on Page 2.

14. RISK DECISION AUTHORITY

a. LAST NAME **MUGGEO, FRANK** b. RANK **LTC** c. DUTY POSITION **USAMU CDR** d. SIGNATURE 

FRANK MUGGEO
LTC, SF
Commanding

5. SUBTASK	6. HAZARDS	7 INITIAL RISK LEVEL	8. CONTROLS	9 RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO?)	12. WAS CONTROL EFFECTIVE
Conduct small arms training, matches, and qualifications	Range/General Situational Awareness	M	<p>THE RANGE OFFICER IN CHARGE (OIC/NCOIC) / SAFETY OFFICER WILL DO THE FOLLOWING:</p> <ol style="list-style-type: none"> 1. Read and Review the Risk Assessment. 2. Senior Unit Representative will conduct a daily Risk Assessment in consultation with Range Cadre Representatives and annotate in writing, signing the RMWS He/She has taken into account Personnel, environment, and equipment on the day of the training evolution. 3. Ensure Cadre, Combat Lifesaver, and a Dedicated Evacuation Vehicle are available. Inventory of the Combat Lifesaver Bag of the Training Unit. 4. Identify Soldiers with Medical problems having the potential to impact Training to include minor illness, allergies, previous heat/cold and or weather injuries, or environmental sensitivities. 5. Review evacuation procedures and reporting procedures for serious incidents Plan to evacuate Soldier with allergic reaction. 6. Ensure Soldiers have been allowed at a minimum of 6 hours of sleep during the previous 24 hours. 7. Observe Down Range for any fires that have started due to Soldiers' firing. 8. Call Cease Fire if fire has the potential to cause harm to Soldier and/or damage Range equipment. 	L	<p>IAW: RANGE SOP USAMU SOP USAIC Reg 210-4 AR 385-63 DA PAM 385-63</p>	<p>RANGE NCOIC RSO OIC LINE SAFETY COMBAT LIFESAVER</p>	
Conduct small arms training, matches, and qualifications	Specific Hazards Hearing and Sight Loss	M	<p>All Personnel on the Range are required to wear eye and ear protection at all times on the Range. All permanent party is enrolled the FT. Benning Occupational Health Screening Program to monitor any changes to their hearing or vision.</p>	L	<p>IAW: RANGE SOP USAMU SOP USAIC Reg 210-4 AR 385-63 DA PAM 385-63</p>	<p>RANGE NCOIC RSO OIC LINE SAFETY COMBAT LIFESAVER</p>	

5. SUBTASK	6. HAZARDS	7 INITIAL RISK LEVEL	8. CONTROLS	9 RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHOM?)	12. WAS CONTROL EFFECTIVE
Heat / Cold Awareness Foul Weather Lightning	Personnel Injury: Due to extreme heat and cold / foul weather Lightning	M	All Soldiers are trained in Preventive Medicine for heat and cold injuries. Training is halted during foul weather conditions when lightning is possible. In the event that lightning is present, all personnel will move inside section building. All equipment will be grounded. 100% monitoring of radio. Water is available from portable insulated water cooler. Be aware of the current Heat Category. Replace fluids at the following rate: HEAT CAT 1 1/2 QT/HR HEAT CAT 2 1/2 QT/HR HEAT CAT 3 3/4 QT/HR HEAT CAT 4 3/4 QT/HR HEAT CAT 5 1 QT/HR Daily fluid intake will not exceed 12 QTS. Previous heat/ cold injuries will be identified. During periods of cold weather all personnel will have adequate cold weather clothing available.	L	IAW: RANGE SOP USAMU SOP USAIC Reg 210-4 AR 385-63 DA PAM 385-63 USAIC Safety SOP 385-0 Fort Benning Lightning Safety Notice	RANGE NCOIC RSO OIC LINE SAFETY COMBAT LIFESAVER	
	Insect Bites	M	Personnel will be identified, as to being allergic to insect bites. These personnel will have their own kit on their person. For those individuals not identified as being allergic and they suffer an insect bite reaction, 911 will be called for emergency assistance.	L	IAW: RANGE SOP USAMU SOP USAIC Reg 210-4 AR 385-63 DA PAM 385-63 USAIC Safety SOP 385-0	RANGE NCOIC RSO OIC LINE SAFETY COMBAT LIFESAVER	
Weapons Cleaning	Cleaning Solvents may ignite causing a fire.	M	All weapons cleaning performed in well ventilated area, no smoking in range facilities. Used cleaning solvents/materials properly stored/disposed of IAW HAZMAT regulations, fire fighting equipment on hand and serviceable.	L	IAW: RANGE SOP USAMU SOP AR 200-1	RANGE NCOIC RSO OIC LINE SAFETY COMBAT LIFESAVER	

5. SUBTASK	6. HAZARDS	7 INITIAL RISK LEVEL	8. CONTROLS	9 RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO?)	12. WAS CONTROL EFFECTIVE
Conduct small arms training, matches, and qualifications	Bullet/Fragment/steel target injuries from ricochet area.	M	Artificial barriers installed, dirt berms installed, fixed firing points, steel targets angle down to control splatter. All shooters are highly trained. Shooter's are briefed minimum safe distance from steel targets.	L	IAW: RANGE SOP USAMU SOP USAIC Reg 210-4 AR 385-63 DA PAM 385-63	RANGE NCOIC RSO OIC LINE SAFETY COMBAT LIFESAVER	
General Range Awareness	Downrange Movement to set up, repair, and take down targets.	M	Upon occupation of the Range, an opening code will be requested from Range Control. Once an opening code is received, the range flag will be put up. At that time a request will be made to go downrange to set up the targets for that day's course of fire. Once back from downrange, the range barricades will be put in place, and Range Control will be notified that all personnel are back. Before any firing takes place, the question "Is everyone back from downrange?" will be asked loudly, three times, over the P.A. system. At that time the days training will commence. Once the days training is complete, a request will be made to go downrange to retrieve targets. After all personnel are back, and the barricades are back in place, a request for a closing code will be made. Once the closing code has been received, the range flag will be taken down and all personnel will depart the Range.	L	IAW: RANGE SOP USAMU SOP USAIC Reg 210-4 AR 385-63 DA PAM 385-63	RANGE NCOIC RSO OIC LINE SAFETY COMBAT LIFESAVER	
	Minor body injury cuts or falls	L	Brief Personnel on tripping hazards: Rocks, branches, fallen trees, and creek beds.	L	IAW: RANGE SOP USAMU SOP USAIC Reg 210-4 AR 385-63 DA PAM 385-63	RANGE NCOIC RSO OIC LINE SAFETY COMBAT LIFESAVER	
Weapons Testing	Injury with weapons testing equipment	L	Weapons only loaded and unloaded inside the test facility. The weapons are mounted on a stationary vice and can only go downrange into the impact area at the same point every time it is fired.	L	IAW: RANGE SOP USAMU SOP USAIC Reg 210-4 AR 385-63 DA PAM 385-63	RANGE NCOIC RSO OIC LINE SAFETY COMBAT LIFESAVER	

5. SUBTASK	6. HAZARDS	7 INITIAL RISK LEVEL	8. CONTROLS	9 RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO?)	12. WAS CONTROL EFFECTIVE
Conduct small arms training, matches, and qualifications	Bullet/Fragment/steel target injuries from ricochet area.	M	Artificial barriers installed, dirt berms installed, fixed firing points, steel targets angle down to control splatter. All shooters are highly trained. Shooter's are briefed minimum safe distance from steel targets.	L	IAW: RANGE SOP USAMU SOP USAIC Reg 210-4 AR 385-63 DA PAM 385-63	RANGE NCOIC RSO OIC LINE SAFETY COMBAT LIFESAVER	
General Range Awareness	Downrange Movement to set up, repair, and take down targets.	M	Upon occupation of the Range, an opening code will be requested from Range Control. Once an opening code is received, the range flag will be put up. At that time a request will be made to go downrange to set up the targets for that day's course of fire. Once back from downrange, the range barricades will be put in place, and Range Control will be notified that all personnel are back. Before any firing takes place, the question "Is everyone back from downrange?" will be asked loudly, three times, over the P.A. system. At that time the days training will commence. Once the days training is complete, a request will be made to go downrange to retrieve targets. After all personnel are back, and the barricades are back in place, a request for a closing code will be made. Once the closing code has been received, the range flag will be taken down and all personnel will depart the Range.	L	IAW: RANGE SOP USAMU SOP USAIC Reg 210-4 AR 385-63 DA PAM 385-63	RANGE NCOIC RSO OIC LINE SAFETY COMBAT LIFESAVER	
Weapons Testing	Injury with weapons testing equipment	M	Weapons only loaded and unloaded inside the test facility. The weapons are mounted on a stationary vice and can only go downrange into the impact area at the same point every time it is fired.	L	IAW: RANGE SOP USAMU SOP USAIC Reg 210-4 AR 385-63 DA PAM 385-63	RANGE NCOIC RSO OIC LINE SAFETY COMBAT LIFESAVER	

5. SUBTASK	6. HAZARDS	7 INITIAL RISK LEVEL	8. CONTROLS	9 RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO?)	12. WAS CONTROL EFFECTIVE
Heat / Cold Awareness Foul Weather Lightning	Personnel injury: Due to extreme heat and cold / foul weather Lightning	M	All Soldiers are trained in Preventive Medicine for heat and cold injuries. Training is halted during foul weather conditions when lightning is possible. In the event that lightning is present, all personnel will move inside section building. All equipment will be grounded, 100% monitoring of radio. Water is available from portable insulated water cooler. Be aware of the current Heat Category. Replace fluids at the following rate: HEAT CAT 1 1/2 QT/HR HEAT CAT 2 1/2 QT/HR HEAT CAT 3 3/4 QT/HR HEAT CAT 4 3/4 QT/HR HEAT CAT 5 1 QT/HR Daily fluid intake will not exceed 12 QTS. Previous heat/ cold injuries will be identified. During periods of cold weather all personnel will have adequate cold weather clothing available.	L	IAW: RANGE SOP USAMU SOP USAIC Reg 210-4 AR 385-63 DA PAM 385-63 USAIC Safety SOP 385-0	RANGE NCOIC RSO OIC LINE SAFETY COMBAT LIFESAVER	
	Insect Bites	M	Personnel will be identified, as to being allergic to insect bites. These personnel will have their own kit on their person. For those individuals not identified as being allergic and they suffer an insect bite reaction, 911 will be called for emergency assistance.	L	IAW: RANGE SOP USAMU SOP USAIC Reg 210-4 AR 385-63 DA PAM 385-63 USAIC Safety SOP 385-0	RANGE NCOIC RSO OIC LINE SAFETY COMBAT LIFESAVER	
Weapons Cleaning	Cleaning Solvents may ignite causing a fire.	L	All weapons cleaning performed in well ventilated area, no smoking in range facilities. Used cleaning solvents/materials properly stored/disposed of IAW HAMMAT regulations, fire fighting equipment on hand and serviceable.	L	IAW: RANGE SOP USAMU SOP AR 200-1	RANGE NCOIC RSO OIC LINE SAFETY COMBAT LIFESAVER	

COMPOSITE RISK MANAGEMENT WORKSHEET

For use of form, see FM 100-14; the proponent agency is TRADOC

1. MSN/TASK MARKSMANSHIP TRAINING
 2a. DTG BEGIN 5-Feb-09
 2b. DTG END 5-Feb-10
 3. DATE PREPARED (YYYYMMDD) 20090115

4. PREPARED BY
 a. LAST NAME JASON ST. JOHN
 b. RANK SFC
 c. POSITION USAMU NCOIC, SERVICE PISTOL SECTION

5. SUBTASK	6. HAZARDS	7 INITIAL RISK LEVEL	8. CONTROLS	9 RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO?)	12. WAS CONTROL EFFECTIVE
Conduct small arms training, matches, and qualifications	Personnel injury due to accidental discharge of a weapon.	M	Weapons only loaded and unloaded on the firing line or test facility; Shooters trained in weapons and Range Safety. Weapons maintained to high standards, tested weapons are mounted on a stationary vice and can only go down down range into the impact are at the point every time it is fired. Range Officer and Safety Officer must complete Range Safety Class. Combat Lifesaver and Bag on range. Hearing Protection available and worn. Armed Forces Personnel, Civilians, VIP, and Junior Shooters will have Military supervision. Junior Shooter's consent form signed by adult guardian.	L	IAW: RANGE SOP USAMU SOP USAIC Reg 210-4 AR 385-63 DA PAM 385-63	RANGE NCOIC RSO OIC LINE SAFETY COMBAT LIFESAVER	
Daily Risk Management Worksheet	General Range Hazards	L	OIC, RSO, and Safeties will brief on hazards listed on the Daily Risk Assessment.	L	IAW: Range SOP USAMU SOP USAIC Reg 210-4 AR 385-63 DA PAM 385-63	RANGE NCOIC RSO OIC LINE SAFETY COMBAT LIFESAVER	

Additional space for entries in Items 5 through 11 is provided on Page 2.

13. OVERALL RISK LEVEL AFTER CONTROLS ARE IMPLEMENTED (CHECK ONE)
 LOW MODERATE HIGH EXTREMELY HIGH
 FRANK MUGGEO
 LTC, SF
 Commanding

14. RISK DECISION AUTHORITY
 a. LAST NAME MUGGEO, FRANK
 b. RANK LTC
 c. DUTY POSITION USAMU CDR
 d. SIGNATURE 

5. SUBTASK	6. HAZARDS	7 INITIAL RISK LEVEL	8. CONTROLS	9 RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO?)	12. WAS CONTROL EFFECTIVE
Conduct small arms training, matches, and qualifications	Range/General Situational Awareness	M	<p>THE RANGE OFFICER IN CHARGE (OIC/NCOIC) / SAFETY OFFICER WILL DO THE FOLLOWING:</p> <ol style="list-style-type: none"> 1. Read and Review the Risk Assessment. 2. Senior Unit Representative will conduct a daily Risk Assessment in consultation with Range Cadre Representatives and annotate in writing, signing the RMWS He/She has taken into account Personnel, environment, and equipment on the day of the training evolution. 3. Ensure Cadre, Combat Lifesaver, and a Dedicated Evacuation Vehicle are available. Inventory of the Combat Lifesaver Bag of the Training Unit. 4. Identify Soldiers with Medical problems having the potential to impact Training to include minor illness, allergies, previous heat/cold and or weather injuries, or environmental sensitivities. 5. Review evacuation procedures and reporting procedures for serious incidents Plan to evacuate Soldier with allergic reaction. 6. Ensure Soldiers have been allowed at a minimum of 6 hours of sleep during the previous 24 hours. 7. Observe Down Range for any fires that have started due to Soldiers' firing. 8. Call Cease Fire if fire has the potential to cause harm to Soldier and/or damage Range equipment. 	L	<p>IAW: RANGE SOP USAMU SOP USAIC Reg 210-4 AR 385-63 DA PAM 385-63</p>	<p>RANGE NCOIC RSO OIC LINE SAFETY COMBAT LIFESAVER</p>	
Conduct small arms training, matches, and qualifications	Specific Hazards Hearing and Sight Loss	M	<p>All Personnel on the Range are required to wear eye and ear protection at all times on the Range. All permanent party is enrolled the FT. Benning Occupational Health Screening Program to monitor any changes to their hearing or vision.</p>	L	<p>IAW: RANGE SOP USAMU SOP USAIC Reg 210-4 AR 385-63 DA PAM 385-63</p>	<p>RANGE NCOIC RSO OIC LINE SAFETY COMBAT LIFESAVER</p>	



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
HEADQUARTERS ARMY MARKSMANSHIP UNIT
FORT BENNING, GEORGIA 31905-3103

ATAL-BM-C

01 October 2008

MEMORANDUM FOR Chief Range Control, Directorate of Plans, Training and Mobilization

SUBJECT: Standard Operating Procedures for Use of Steel Targets During USAMU Live-fire Training

The USAMU has been using steel targets since 1992. This is our 16th year of shooting on steel and there has never been a reportable incident involving the use of steel targets on our ranges. As stated in Army Field Manuals, Army Safety Regulations, Department of the Army Pamphlets, Memorandums, and Documents that support proper safety techniques, Army marksmanship will always be hazardous. The awareness of the inherent risks allow us to develop and implement controls, the use of steel targets is just one more factor to be included in our risk management program. USAMU has taken precautions to ensure proper use of all steel targets, are enforced.

The OIC ensures the target positioning will not violate the Left and Right limits. The OIC will also ensure targets will be positioned at the base of the berm to avoid Competitors / Military Personnel from shooting over the top of the berm compartment. All steel targets will be set up and removed by USAMU personnel in which the steel will be pointed downward to reduce ricochet. Competitors / Military Personnel will engage targets from a safe distance in IAW the limitations described in this USAMU SOP for use of Steel Targets and the Fort Benning Form 210-4-3-R scenario.

1. There are a number of reasons we shoot on steel targets, the following is a partial list:
 - a) Steel targets are an integral part of our shooting sports course design. If we do not have steel targets to train on we will not be able to compete and win.
 - b) Utilizing steel targets for our training allows our shooters to dedicate all available training time to shooting instead of moving down range and repairing paper targets.
 - c) Steel targets are more economical than paper targets and electronic targets as they need only paint and minimal care to remain serviceable for many years.
 - d) Steel targets are a very important part of our Train the Trainer Courses. Steel targets allow our students to get visual and audio logical feedback as well as see shot groups and coach down range performance without leaving the shooting position.

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2. The following are some of the controls we place on the use of steel targets:

a) Pistol

- a. Never closer than 7 yards with reactive or downward angled steel.
- b. Never closer than 12 yards on Static steel.
- c. Never on rifle steel.
- d. Steel will be oriented so that it presents an angle of less than 24 degrees to the shooter.

b) Rifle / Automatic Weapons

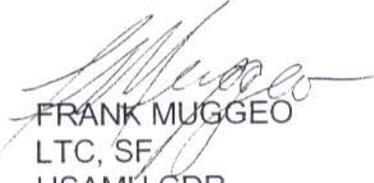
- a. Never closer than 12 yards with reactive or downward angled steel.
- b. Never closer than 25 yards for static steel.
- c. Never use steel core or penetrator rounds other than M855 ball.
- d. Never use M855 ball closer than 100 yards.
- e. Steel will be oriented so that it presents an angle of less than 24 degrees to the shooter.
- f. Frangible ammo may be shot as close as 1 yard.
- g. No calibers greater than 7.62x51mm inside of 100 yards without frangible ammo.

c) Shotgun

- a. Never closer than 7 yards on any steel.
- b. Frangible shot may be used as close as 1 yard.
- c. No slugs, steel shot or breaching rounds.

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- e) All Steel
 - a. Never mix rifle and pistol steel. Once steel is used for rifle it is ALWAYS rifle. Firing pistol ammo on rifle steel will result in excessive fragmenting of bullets on impact.
 - b. All steel must be calibrated prior to use.
- 3. General safety requirements remain the same, however if there is steel in any array, Wrap Around Eye Protection and Ear Protection is required for: Members and Shooters/Competitors of the USAMU. During Training Events: Kevlar and IBA are added along with Eye and Ear Protection.
- 4. There will always be some amount of fragments from shooting steel, once rounds impact a piece of steel the path of fragments can not be guaranteed. By using the guidelines we set most fragments will not reach the shooters, any which do will not be capable of serious injury.
- 5. Point of Contact for this memorandum is SFC Janet Sokolowski, USAMU Range NCOIC, 706-545-7174 or janet.sokolowski@usaac.army.mil.


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