

**FIRING/NONFIRING DATA**

*For use of this form see USAIC Regulation 350-19; the proponent agency is DPTMS*

<b>TO:</b> Chief, Range Division, Directorate of Plans, Training, Mobilization and Security Fort Benning, GA 31905	<b>Date:</b> 26 Jun 2012 <b>Range:</b> ARKMAN, LIBERTY, FRYAR, DEKKAR, GREEN, LEE DZ's <b>Title:</b> PATHFINDER FTX <b>Problem No:</b>
<b>THRU:</b> FORT BENNING, GA 31905	<b>FROM:</b> 1-507th PIR S3 FORT BENNING, GA 31905

Legit 8-3-12

**SECTION I, TYPE OF TRAINING**

a. Live Fire     
  b. Non-live Fire     
 CP/Controller Coordinates:

**SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS**

Coordinates	Type	Model/DODAC	Size of Charges
GA 0735 7336 (ARKMAN)	Smoke Grenade	M18(950), AM83(G982)	N/A
GA 0757 7232 (LIBERTY)	Smoke Grenade	M18(950), AM83(G982)	N/A
(FRYAR)	Smoke Grenade	M18(950), AM83(G982)	N/A
GA 9338 7330 (DEKKAR)	Smoke Grenade	M18(950), AM83(G982)	N/A

**SECTION III, WEAPONS/AMMUNITION REQUESTED**

Coordinates of Weapons Position	Type Weapon/Model Number	Type Ammunition	Left Limit	Right Limit

**SECTION IV, LIVE FIRE EXERCISES Attach the following:**

**SECTION V, NON-LIVE FIRE TRAINING**

<input type="checkbox"/> Scenario of training to be conducted: <input type="checkbox"/> Sketch of area: <input type="checkbox"/> Risk Assessment: <input type="checkbox"/> Attach FB Form 350-19-2-E-R if Mortar or artillery is being fired:	Training area(s) to be occupied:  <input checked="" type="checkbox"/> Scenario of training to be conducted: <input checked="" type="checkbox"/> Sketch of area(s) to be occupied: <input checked="" type="checkbox"/> Risk Assessment:
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Name/rank of requesting officer: PHILLIPS, JOHN M. MAJ 1/507TH S3 OFFICER 	Name/rank of Major Unit S3/Commander: MASSARI ANTHONY MAJ BDE S3 
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**SECTION VI, FOR RANGE DIVISION USE**

DATE: 9 August 2012

<b>TO:</b> 1/507 PIR S-3 FT BENNING, GA 31904	<b>FROM:</b> Range Division, Directorate of Plans, Training, Mobilization and Security Fort Benning, GA 31905
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a. Roadblocks to be closed: b. Road(s) to be closed/road barrier locations: c. Remarks: d. This approval expires: <i>Indef</i>	SEE SCENARIO
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Chief, Range Division  
Directorate of Plans, Training, Mobilization and Security





DEPARTMENT OF THE ARMY  
1ST BATTALION, 507TH PARACHUTE INFANTRY REGIMENT  
7481 RIORDON STREET  
FORT BENNING GA 31905-4405

ATSH-TPP-O

27 June 2012

MEMORANDUM THUR Commander, 1<sup>st</sup> Battalion, 507<sup>th</sup> PIR, Fort Benning, GA 31905

FOR Chief, Range Control Division, Fort Benning, GA 31905

SUBJECT: Scenario for Pathfinder School FTX (AP66) for 1<sup>st</sup> Battalion, 507<sup>th</sup> PIR.

1. **Purpose.** The purpose of this memorandum is to establish the scenario for the Pathfinder School FTX (AP66).
2. The Pathfinder FTX will begin with a CDS drop followed by static line personnel drop on Arkman / Fryar drop zone.
3. Jumpers trained IAW FM3-21.220 and JM POI. This is covered during basic airborne refresher and sustained airborne training.
4. A proper JMPI is conducted prior to the airborne operation.
5. Students and cadre are briefed during sustained airborne training and supervised on how to safely approach Rotary Wing/Fixed Wing Aircraft. Jumpers are briefed on Tree, power line and water obstacles during sustained airborne training and again during the MACO brief to ensure jumpers understand the actions to perform during the 3<sup>rd</sup> point of performance.
6. All soldiers remain vigilant for falling helmets during aircraft passes. Cadres have communications to warn of falling equipment.
7. Two medics with FLA will be on site for the static line personnel drop. The DZSO in coordination with senior medic on the DZ makes the decision to MEDEVAC injuries from the DZ. DZSO will call for Air MEDEVAC only when the injured soldier is in danger of losing life, limb, or eyesight. DZSO will request weather it is a Ground or Air MEDEVAC. DZSO will call Ft. Benning EMS for Ground Evacuation and will call for Air MEDEVAC through range control. If DZSO calls for an Air MEDEVAC he must inform Lawson tower and have them keep all aircraft in the air clear of the airspace over the DZ. When calling the MEDEVAC the DZSO will use the standard nine line MEDEVAC request.
8. There will be five gallon water cans positioned at the assembly area. Soldiers will hydrate and are and monitored by cadre. Hourly fluid intake should not exceed 1.5 quarts. Daily fluid intake should not exceed 12 quarts.

ATSH- TPP-O

SUBJECT: Scenario for Pathfinder School FTX (AP66) for 1<sup>st</sup> Battalion, 507<sup>th</sup> PIR.

9. Cadre and students will conduct night GMRS / VIRS bundle drops on Dekkar, Fryar, Arkman, Green, Lee, and Liberty during the course of the FTX.
10. All drop zones will be set up in accordance with Fort Benning policy: Boats for water obstacles, road guards monitoring roads onto the drop zone, tree climb kits for tree recovery and winds monitored.
11. There will be Cadre that will go on advance party to clear, to ensure that the Drop Zone is free of any obstacles and foreign object device prior to the landing of helicopters.
12. Cadre will assume responsibilities of road guard and control the ground vehicle traffic of any sort during the landing, sling load operation and take off of aircraft.
13. The FTX will consist of students setting up LZ's throughout the reservation. The following LZ's will be used: Lee, Dekkar, Fryar, Arkman, Green and Liberty.
14. Qualified Combat Lifesavers, Vehicle and all necessary equipment will be on site. MEDEVAC through 911 will be used if needed.
15. Any residue from the training will be policed up and holes filled, prior to departure.
16. The POC for this memorandum is MAJ Phillips at 545-1156.

AUTHORITY LINE:

  
JOHN M. PHILLIPS  
MAJ, IN  
BN Operations Officer



Arkman Drop Zone (VIRS and GMRS)

Tree Hazards surrounding the DZ (10-15m tall)

No Wire or Water Hazards within 1000m

Improved dirt roads centerline and north, east and south edges of the DZ

Surveyed Drop Heading is 352 degrees Magnetic

\* Arkman DZ is primarily used as a VIRS and GMRS Drop Zone, therefore the PI is determined based of wind direction and speed in which the jumper will drift and forward throw from the A/C upon exit. There is no set PI for VIRS and GMRS drop zone operations.



Liberty Landing Zone (VIRS and GMRS)

Tactical survey is completed on this land for use up to, but not to exceed 24 hrs.

No Wire or Water Hazards within 1000m

Tree Hazards surrounding the LZ (10-15m tall)

Improved dirt road on the eastern edge

\* Liberty LZ ,when used as a DZ, is primarily used as a VIRS and GMRS Drop Zone, therefore the PI is determined based of wind direction and speed in which the jumper will drift and forward throw from the A/C upon exit. There is no set PI for VIRS and GMRS drop zone operations.



#### Green Landing Zone (VIRS and GMRS)

Tactical survey is completed on this land for use up to, but not to exceed 24 hrs.

No Water or Wire hazards within 1000m

Tree Hazards surrounding the LZ (10-15m tall)

Improved dirt road on the North Eastern edge

\* Green LZ, when used as a DZ, is primarily used as a VIRS and GMRS Drop Zone, therefore the PI is determined based of wind direction and speed in which the jumper will drift and forward throw from the A/C upon exit. There is no set PI for VIRS and GMRS drop zone operations.



Dekkar Drop Zone (VIRS and GMRS)  
 Tree Hazards surrounding the DZ (10-15m tall)  
 Wire Hazard running adjacent to 101<sup>st</sup> ABN DIV Rd. (usually not turned on)  
 No Water Hazards within 1000m  
 Improved dirt roads running the entire length of the DZ on the eastern edge  
 Paved FLS running the entire length of the DZ  
 101<sup>st</sup> ABN DIV Rd. runs the entire length of the DZ on the western edge (Paved Road)  
 Paved road running east to west on lead edge of DZ  
 \* Dekkar DZ is primarily used as a VIRS and GMRS Drop Zone, therefore the PI is determined based of wind direction and speed in which the jumper will drift and forward throw from the A/C upon exit. There is no set PI for VIRS and GMRS drop zone operations.



Lee Drop Zone (CARP, VIRS, and GMRS) Surveyed PI for CARP drop zone operations is identified by the yellow dot approx. 350m centerline lead edge. Drop heading is 075 degrees magnetic.

Tree Hazards surrounding the DZ (10-15m tall)

Wire Hazard running adjacent to 2<sup>nd</sup> Armor DIV Rd. approx. 520m from DZ

Upatoi Creek is locate approx. 250m from the right edge of the DZ

Randall Creek is approx. 500m from the lead edge. Depth exceed 4' in many areas

Buildings on the left edge of the DZ approx. 25' tall

Disabled Tanks located in various places on the DZ

Barbed wire topped fence adjacent to the buildings approx. 45m x 55m

Paved Helo Pads located in various locations on the DZ

Paved trails on the DZ running from edge of DZ to Helo Pads

Improved dirt roads surrounding the DZ

Paved Roads (2<sup>nd</sup> Armor DIV Rd.)

\* LEE DZ is primarily used as a VIRS and GMRS Drop Zone, therefore the PI is determined based of wind direction and speed in which the jumper will drift and forward throw from the A/C upon exit. There is no set PI for VIRS and GMRS drop zone operations.

**COMPOSITE RISK MANAGEMENT WORKSHEET**  
For use of this form, see FM5- 19; the proponent agency is TRADOC

1. MSN/TASK <b>Patfinder Airborne Operations</b>	2a. DTG BEGIN 132400OCT11	2b. DTG END 142400OCT12	3. DATE PREPARED (YYYYMMDD) 20111013
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4. PREPARED BY:

a. LAST NAME LYNN, STEVE	b. RANK SFC	c. POSITION BN SAFETY OFFICER
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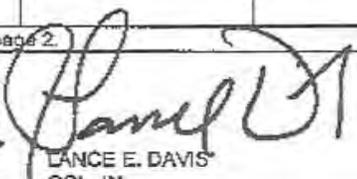
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Parachute Operations	Jumper could receive static line injury while exiting aircraft.	High	All Mock ups have static line training aids for all Students to observe for correct procedure. All Students/Cadre will watch the steerable parachute video prior to conducting any jump. Routing of each static line is inspected by safety prior to exit. CDR / Branch Chief conduct thorough brief to all Students prior to conducting Jump operations. Medic/FLA present on the DZ NLT 1 hour prior to TOT w/all required medical equipment to address all any injuries not reported on the DZ. DZSO has communication by Motorola w/Range Control at all times to request Air MEDEVAC, if required. DZSO also has redundant communication with a cell phone and FM.	Moderate	- FM 3-21.220 - FM 3-21.38 - HHC SOP - Sustained ABN TRNG - JM/Safety enforcement - Static Line Video - Steerable Parachute Tape - Co CDR / Branch Chief Brief	Direct Supervision	
	Jumpers could have entanglement while airborne.	Ext. High	Jumpers trained to avoid and handle entanglements. This is covered in detail (what actions to take to prevent the entanglement and actions to take if an entangled and if activation of SLOP/T-11R is required) during Sustained Airborne training talk through and in the mock up. Five points of performance and proper landing are covered during Sustained Airborne Training.	High	- FM 3-21.220 - HHC SOP - Sustained ABN TRNG - PF POI - Instructor Enforcement/ Testing Retraining - Steerable Parachute Tape	Direct Supervision	

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

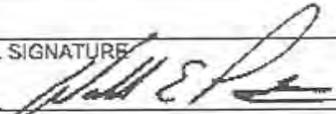
13. OVERALL RISK LEVEL AFTER CONTROLS ARE IMPLEMENTED (Check One)

LOW   
  MODERATE   
  HIGH   
  EXTREMELY HIGH

  
 G. BRENT CUMMINGS  
 LTC, IN  
 Commanding

  
 LANCE E. DAVIS  
 COL, IN  
 Commanding

14. RISK DECISION AUTHORITY

a. LAST NAME Piatt, Walter E.	b. RANK COL	c. DUTY POSITION Commandant, Infantry School	d. SIGNATURE 
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ITEMS 5 THROUGH 12 CONTINUED:

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?
Parachute Operations	Jumper could sustain an injury doing an improper PLF.	Ext. High	Smoke on DZ to determine direction of drift. 13-knot restriction for all jumps. Medic/FLA present on the DZ NLT 1 hour prior to TOT w/all required medical equipment and an additional Medic/FLA located IVO PI or entrucking point to address all any injuries not reported on the DZ. DZSO has communication by Motorola w/Range Control at all times to request Air MEDEVAC, if required. DZSO also has redundant communication with a cell phone and FM. PLFs are practiced during SAT.	High	<ul style="list-style-type: none"> <li>- FM 3-21.220</li> <li>- HHC SOP</li> <li>- Sustained ABN TRNG</li> </ul>	Direct Supervision	
	Accidental activation of the reserve inside the A/C.	Moderate	Jumpers trained IAW FM 3-21.220 and PF POI. This is covered in detail (what actions to take to prevent the activation and actions to take if activation occurs) during Sustained Airborne training talk through and in the mock up. All jumpers reminded by Jumpmasters/Safeties and instructors to protect the ripcord grip/ripcord handle at all times. JWSafeties conduct rehearsals prior to conducting ABN Operation.	Low	<ul style="list-style-type: none"> <li>- FM 3-21.220</li> <li>- Sustained ABN TRNG</li> <li>- PF POI</li> <li>- JM / Safety / Instructor Enforcement</li> <li>- Steerable Parachute Tape</li> </ul>	Direct Supervision	
	Dehydration and heat injuries on the DZ.	Moderate	Soldiers properly hydrate prior to training. Jumpers told to walk off the DZ during Heat CAT V. Medics located on DZ NLT 1 hour prior to TOT to provide immediate attention to all injuries. Cadre place 5 gal water cans at vehicles, IVO PI and IVO entrucking point. Soldiers monitored by cadre and provided necessary time to hydrate during assembly / accountability procedures. Hourly fluid intake should not exceed 1.5 quarts. Daily fluid intake should not exceed 12 quarts. Cadre monitors the intake by students. Heat Category/Wet Bulb monitored throughout the BN area and relayed to all BN personnel by the BN S3 shop via e-mail and telephone. Category I: At least ½ Qt water per hour and continuous work schedule. Category II: At least ½ Qt water per hour and 50/10 minute work/rest schedule. Category III: At least 1 Qt water per hour and 45/15 minute work rest schedule. Category IV: At least 1 ¼ Qt water per hour and 30/30 minute work/rest schedule. Category V: At least 1 ¾ Qt water per hour and 20/40 minute work/rest schedule.	Low	<ul style="list-style-type: none"> <li>- HHC SOP</li> <li>- Cadre Enforced / Branch Chief supervised</li> <li>- Commander on DZ at all times during Jump Operations</li> </ul>	Direct Supervision	

ITEMS 5 THROUGH 12 CONTINUED:

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?
Parachute Operations	Jumpers landing in trees	Moderate	<p>Jumpers trained IAW FM 3-21.220 and PF POI. This is covered in detail (what actions to take upon heading toward trees and actions to take if jumper becomes hung up in the trees) during Sustained Airborne training talk through. A wind tester is exited on the first lift of every jump to determine accuracy of the release point prior to exiting students. Aircraft controlled by DZSTL qualified cadre and adjustments made following a Cadre wind tester pass and all subsequent passes to ensure jumpers land on both the surveyed DZ and near centerline. Designated Cadre on DZ has recovery vehicle w/ rescue equipment, tree climbing kit and ladder and positioned according to prevailing winds. At night, all DZSO party and malfunctions NCO has night vision goggles. Medic/FLA present on the DZ NLT 1 hour prior to TOT w/all required medical equipment and an additional Medic/FLA located at the entrucking point to address all any injuries not reported on the DZ. DZSO has communication by Motorola w/Range Control at all times to request Air MEDEVAC, if required. DZSO also has redundant communication with a cell phone and FM.</p>	Low	<ul style="list-style-type: none"> <li>- FM 3-21.220</li> <li>- HHC SOP</li> <li>- Sustained ABN TRNG</li> <li>- DZSO supervised</li> <li>- Steerable Parachute Tape</li> </ul>	Direct Supervision	
	Towed jumper	Moderate	<p>Jumpers trained IAW FM 3-21.220 and PF POI. Cadre rehearse towed jumper drills during actions in the aircraft with A/C loadmasters. This is covered in detail (what actions to take upon being a towed jumper) during Sustained Airborne training talk through and in the mock up. Jumpers inspect equipment (especially HPT lowering lines) during actions in the A/C to ensure all equipment is properly stowed to prevent from being a towed jumper.</p>	Low	<ul style="list-style-type: none"> <li>- FM 3-21.220</li> <li>- Sustained ABN TRNG</li> <li>- JM/Safety Enforced</li> <li>- Steerable Parachute Tape</li> </ul>	Direct Supervision	

## ITEMS 5 THROUGH 12 CONTINUED:

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?
Parachute Operations	Water landing	Moderate	Jumpers trained IAW FM 3-21.220 and PF POI. This is covered in detail (what actions to take upon heading towards a body of water and actions to take if jumper cannot avoid the water obstacle) during Sustained Airborne training talk through. A wind tester is exited on the first lift to determine accuracy of the release point prior to exiting students. Aircraft controlled by DZSTL qualified cadre and adjustments made following a Cadre wind tester pass and all subsequent passes to ensure jumpers land on both the surveyed DZ and near centerline. Designated Cadre w/detail is located at the water obstacle NLT 1 hour prior to TOT w/boat, life vests, life rings, ropes, shepherds hook, backboard, bull horn, radio (primary commo) and search light and NVDs (night Ops). Man-portable boat is located on the ramp next to the water unsecured and prepared to launch in the event a jumper hits the obstacle. All Boat NCOs are responsible for conducting rehearsals with detail prior to conducting jump operations support. Medic/FLA present on the DZ NLT 1 hour prior to TOT w/all required medical equipment and an additional Medic/FLA located at the entrucking point to address all any injuries not reported on the DZ. DZSO has communication by Motorola w/Range Control at all times to request Air MEDEVAC, if required. DZSO also has redundant communication with a cell phone and FM.	Low	<ul style="list-style-type: none"> <li>- FM 3-21.220</li> <li>- HHC SOP</li> <li>- Sustained ABN TRNG</li> <li>- DZSO supervised</li> <li>- Steerable Parachute Tape</li> </ul>	Direct Supervision	
	Jumpmaster could accidentally fall from A/C while conducting outside air safety check.	Moderate	Jumpmaster is instructed on the proper technique to conduct the air safety check and rehearses all actions with entire team prior to conducting the ABN OP. Jumpmaster is hooked up prior to moving forward of the wheel well IAW FM 3-21.220. All JMs are instructed on how to avoid landing in trees during sustained airborne training. If they land off the DZ and become lost, he follows instructions he received earlier on how to link up with cadre. Commander is located on the DZ during jump operations.	Low	<ul style="list-style-type: none"> <li>- FM 3-21.220</li> <li>- 1-507<sup>th</sup> Lost Soldier Policy</li> <li>- JM team enforced</li> </ul>	Direct Supervision	

ITEMS 5 THROUGH 12 CONTINUED:							
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?
Parachute Operations	Entanglements or injury from PLF during night airborne operations	Ext. High	Night operation Steerable Parachute brief to students given prior to boarding aircraft. Jumpers reminded to keep eyes on the horizon and not to anticipate the landing. Instructors reemphasize to jumpers to maintain their awareness of fellow jumpers all the way to the ground. Medic/FLA present on the DZ NLT 1 hour prior to TOT w/all required medical equipment and an additional Medic/FLA located at the entrucking point to address all any injuries not reported on the DZ. DZSO has communication by Motorola w/Range Control at all times to request Air MEDEVAC, if required. DZSO also has redundant communication with a cell phone and FM.	High	- FM 3-21.220 - HHC SOP - PF POI - Instructor Emphasis - Steerable Parachute Tape	Direct Supervision	
	Falling equipment hits someone on DZ.	Moderate	Students always wear helmets on the DZ. All Soldiers remain vigilant for falling helmets and equipment during aircraft passes. Cadre warn each other and students for falling equipment.	Low	- Sustained ABN TRNG - HHC SOP	Direct Supervision	
	Parachute malfunction; little or no lift capability	High	Jumpers trained to handle malfunctions of all types IAW FM 3-21.220 and the PF POI. This is covered in detail (what actions to take for complete and partial malfunctions and activation of the SLCP/T-11R) during Sustained Airborne training talk through. Thorough JMPI is conducted by instructors prior to boarding A/C. Medic/FLA present on the DZ NLT 1 hour prior to TOT w/all required medical equipment and an additional Medic/FLA located at the entrucking point to address all any injuries not reported on the DZ. DZSO has communication by Motorola w/Range Control at all times to request Air MEDEVAC, if required. DZSO also has redundant communication with a cell phone and FM.	Moderate	- FM 3-21.220 - HHC SOP - PF POI - Instructor Emphasis - JM/Safety Emphasis - Steerable Parachute Tape - Sustained ABN TRNG	Direct Supervision	
	Jumper could accidentally fall from A/C not over the DZ	Moderate	Exiting procedures/rehearsal conducted during Sustained ABN Training (actions in the A/C). All jumpers are hooked up prior to A/C take off. Jumpers secured by safety strap until command "Get Ready" is given by the Jumpmaster. Jumpmaster maintains control of the jumpers utilizing proper jump commands. No jumper is exited (tapped) until the Command of "Execute" is given by the DZSO	Low	- FM 3-21.220 - HHC SOP - Sustained ABN TRNG - Air Mission Brief with A/C crews - JM team enforced	Direct Supervision	

ITEMS 5 THROUGH 12 CONTINUED:

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?
Pathfinder Bundles	Jumpmaster could accidentally fall from A/C while conducting outside air safety check or exiting bundles	Moderate	JM/Safety are instructed on the proper technique to conduct the air safety check and rehearses all actions as a JM team prior to conducting the ABN OP. JM dons a BA- 18 or safety harness before door is opened IAW FM 3-21.220. He is instructed on how to properly activate the parachute during JM refresher and cadre certification. Prior to conducting JM duties for the Bundles all instructors must shadow at least one operation before being cleared to conduct JM duties. Designated Cadre on DZ has recovery vehicle w/ rescue equipment, tree climbing kit and ladder and positioned according to prevailing winds. If JM lands off the DZ and becomes lost, he follows BN policy on how to contact the BN SDNCO or link up with cadre. Medic/FLA present on the DZ NLT 1 hour prior to TOT w/all required medical equipment. DZSO has communication by Motorola w/Range Control at all times to request Air MEDEVAC, if required. DZSO also has redundant communication with a cell phone and FM.	Low	- FM 3-21.220 - HMC SOP - 1-507th Lost Soldier Policy - JM rehearsals - Joint Air Mission Brief w/crews	Direct Supervision	
Pathfinder Field Operations	Student/Cadre injured by falling bundle	Moderate	Students are briefed to keep helmets on while on the DZ. Students are clear the vicinity of the PI during the execution of the bundle drop. DZSTL is located a minimum of 200 meters from the PI during execution of the drop. All soldiers remain vigilant for falling equipment during aircraft passes. Cadre warn each other and students for falling equipment. Medic/FLA present on the DZ NLT 1 hour prior to TOT w/all required medical equipment. DZSTL has communication by Motorola w/Range Control at all times to request Air MEDEVAC, if required. DZSTL also has redundant communication with a cell phone and FM.	Low	- FM 3-21.220 - HHG SOP - 1-507th Lost Soldier Policy - JM rehearsals - Joint Air Mission Brief w/crews	Direct Supervision	
Pathfinder Field Operations	Vehicle accident or breakdown.	Moderate	All drivers must possess a military driver's license and a DDC card. All drivers must PMCS daily and implement safe driving procedures. No students allowed to ride unless in a covered vehicle with helmets worn.	Low	- Cadre enforced - Driver enforcement	Direct Supervision	

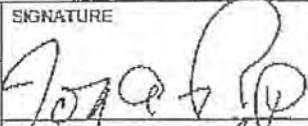
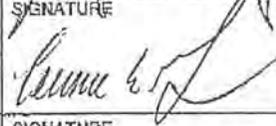
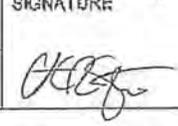
ITEMS 5 THROUGH 12 CONTINUED:

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?
PF HLZ / FTX (Cadre Led)	Student could incur injury utilizing machete and other DZ/LZ equipment.	Low	Students briefed on safe use of tools. First aid kit on hand, cadre has combat life-saver qualified personnel on site.	Low	- Unit SOP - Cadre enforced	Direct Supervision	
	Cold injuries during cold weather.	Low	Students and cadre are required to pack and dress adequately. Cadre is trained on cold injury symptoms and treatment. Combat Lifesaver with aid bag is on hand. Category I: Standard ACU, field jacket, cold weather cap, gloves with inserts, poncho for wet weather. Category II: As above with several layers of loose fitting underclothing on and face masks if available. Category III: Arctic clothing required. Wind chill will be monitored frequently and cadre will be immediately notified of any significant changes. Each section will have at least one Combat Lifesaver who will closely monitor the status of students. Students exhibiting signs of cold injury will be immediately evacuated.	Low	- Unit SOP	Direct Supervision	
	Lost or missing Soldier.	Moderate	All students are oriented to the training area. All student movement will be accompanied by a cadre member with communication ability with Motorola. All sections have redundant FM capability at all times. All cadre are briefed on reporting procedures and will adhere to the USAIC lost soldier procedure by notifying Range Control at one hour to start the L-Hour sequence.	Low	- HHC SOP - CoC/NCO Enforced - Cadre Briefed - Branch Chief tracks accountability - USAIS Policy - 24hr communication with base operations @ PF Branch	Direct Supervision	
	Wildlife hazards in and around training areas.	Low	All students are briefed on the most likely seasonal wildlife they may encounter during training and informed to stay away from these hazards. All persons with wildlife allergies will be marked by wearing white tape on their uniform and will carry allergy kits as available. All student activity will be accompanied by a cadre member with comm. ability.	Low	- HHC SOP - CoC / NCO Enforced - Cadre Briefed - Branch tracks allergies	Direct Supervision	

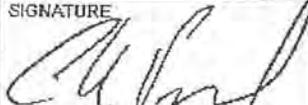
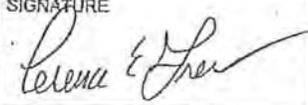
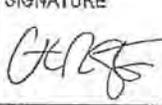
ITEMS 5 THROUGH 12 CONTINUED:

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?
Pathfinder (FTX)	Sling Load Operations w A/C (Low Visibility Conditions, Falling Objects and Static Shock)	Moderate	<p>All students are trained on sling load operations and aircraft familiarization. All loads are inspected by Cadre for proper rigging prior to execution. SL inspection sheets are completed and copy provided to crew. Prior to execution, Cadre conduct signaling and hook up rehearsals with students. All students are trained in proper use of safety equipment. All members of the hookup team use proper safety equipment and wear helmets at all times. All members of the sling load team are supervised by cadre during operation. Crew chief observes hook up. Signal man positioned to best observe load, hook up team, and A/C. Signal man supervised by cadre. Cadre have communications with the aircraft at all times. Cadre member ensures probe releases static shock before allowing soldiers to continue with hooking the load to the aircraft. Cadre member will position themselves along side student to ensure all procedures are followed in low visibility or "brown out conditions." Cadre ensure that all students are moved out of possible impact zone of load as it is lifted by the aircraft to ensure that in the possibility of a cut away, student is out of danger.</p>	Low	<ul style="list-style-type: none"> <li>- HHC SOP</li> <li>- COC/NGO Enforced</li> <li>- Aviation SOP/ Crew Chief Supervision</li> <li>- Cadre brief</li> <li>- FM 3-21.38</li> <li>- Hook up rehearsals</li> <li>- Cadre conduct SL inspections</li> </ul>	Direct Supervision	

**AIRBORNE UNIT ASSUMES RESPONSIBILITY FOR PERSONNEL INJURY AND EQUIPMENT DAMAGE ON DZ**

<b>DROP ZONE SURVEY</b>	1A. DZ NAME ARKMAN RECTANGULAR		1B. ZAR INDEX NO.	2A. COUNTRY USA	2B. STATE GA				
	3. MAP SERIES/SHEET NUMBER/ EDITION/ DATE OF MAP V 745-S Ft. BENN MIM 002 20070301								
<b>4. SURVEY APPROVAL/DISAPPROVAL DATA</b>									
4A1. DATE SURVEYED 20090507	4A2. TYPED NAME AND GRADE OF SURVEYOR Nathan D. Perry, SFC/E-7		4A3. PHONE NUMBER (DSN) 835-1111	4A4. UNIT EHC 1-507TH PIR, PATHFINDER					
4B. DROP ZONE APPROVAL/DISAPPROVAL A = APPROVED D = DISAPPROVED	FOR	CDS/CRL/CRS	PER	HE	MFF	SATB	CRRC	HSLADS	HVCS
	DAY	A	A	A	A	A	D	D	D
	NIGHT	A	D	D	A	A	D	D	D
4C. DATE APPROVED FOR GROUND OPERATIONS 20090915	NAME, GRADE AND SERVICE OF APPROVAL AUTHORITY Jon A. Ring, O-3/LTC, US Army		PHONE NUMBER (DSN) 835-6574	SIGNATURE 					
	UNIT AND LOCATION HQ, 1-507TH PIR, Ft. Benning, GA 31905								
4D. DATE SAFETY OF FLIGHT REVIEW APPROVED 20090916	NAME AND GRADE OF REVIEWING OFFICER Terence E. Green, MAJ, USAFR		PHONE NUMBER (DSN) 625-3498	SIGNATURE 					
	UNIT AND LOCATION 94 OSS/OSK, Dobbins ARB, GA 30069								
4E. DATE OF MAJCOM APPROVAL 20090918	NAME AND GRADE OF APPROVING AUTHORITY Steven R. Clayton, COL, USAFR		PHONE NUMBER (DSN) 625-5110	SIGNATURE 					
	UNIT AND LOCATION 94 OG/CC, Dobbins ARB, GA 30069								
<b>5. COORDINATING ACTIVITIES</b>									
A. DZ CONTROLLING AGENCY OR UNIT Range Control, Ft. Benning, GA 31905		B. MEMORANDUM OF UNDERSTANDING/LAND USE YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ATTACHED <input type="checkbox"/>		C. PHONE NUMBER (DSN) 835-3524					
D. RANGE CONTROL Range Control FM 38.60 Doughboy Advisory VHF 138.325 UHF 227.4				E. PHONE NUMBER (DSN) 835-6291					
<b>6. DZ DIMENSIONS (YDS/MTRS) (FOR CIRCULAR DZ, ENTER RADIUS ONLY)</b>									
A. LENGTH 1000 yds		B. WIDTH 600 yds		C. RADIUS NA					
POINT OF IMPACT DISTANCES FROM DZ LEADING EDGE		D. CDS PI 300 yds	E. PE PI 300 yds	F. HE PI 500 yds					
<b>7. DZ AXIS DATA (OPTIONAL FOR CIRCULAR DZ)</b>									
A. MAGNETIC 012°	B. GRID (MGRS) 009°		C. TRUE 010°		D. SOURCE/DATE OF VARIATION DATA 20090507				
B. GROUND POINT ELEVATION	A. CDS PI	B. HE PI	C. PE PI		D. HIGHEST				
<b>9. DZ COORDINATES</b>									
A. SPHEROID WGS84	B. DATUM WGS84	C. GRID ZONE 16S	D. EASTING 7	E. NORTHING 35					
F. GPS DERIVED COORDINATES YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		G. POINT OF ORIGIN GA 07527 73325 SE Intersection cleared field PPI 203M 325°							
H. POINT	MGRS COORDINATES		WGS84 LATITUDE (D-MMM)		WGS84 LONGITUDE (D-MMM)				
DZ CENTERPOINT	GA 07421 73663		N 32°16.833'		W084°47.852'				
CDS PI	GA 07398 73481		N 32°16.735'		W084°47.869'				
PE PI	GA 07398 73481		N 32°16.735'		W084°47.869'				
HE PI	GA 07421 73661		N 32°16.832'		W084°47.852'				
<b>L. DZ CORNERS MGRS COORDINATES</b>									
LEFT LEADING EDGE GA 07080 73240			RIGHT LEADING EDGE GA 07643 73170						
LEFT TRAILING EDGE GA 07196 74157			RIGHT TRAILING EDGE GA 07758 74086						

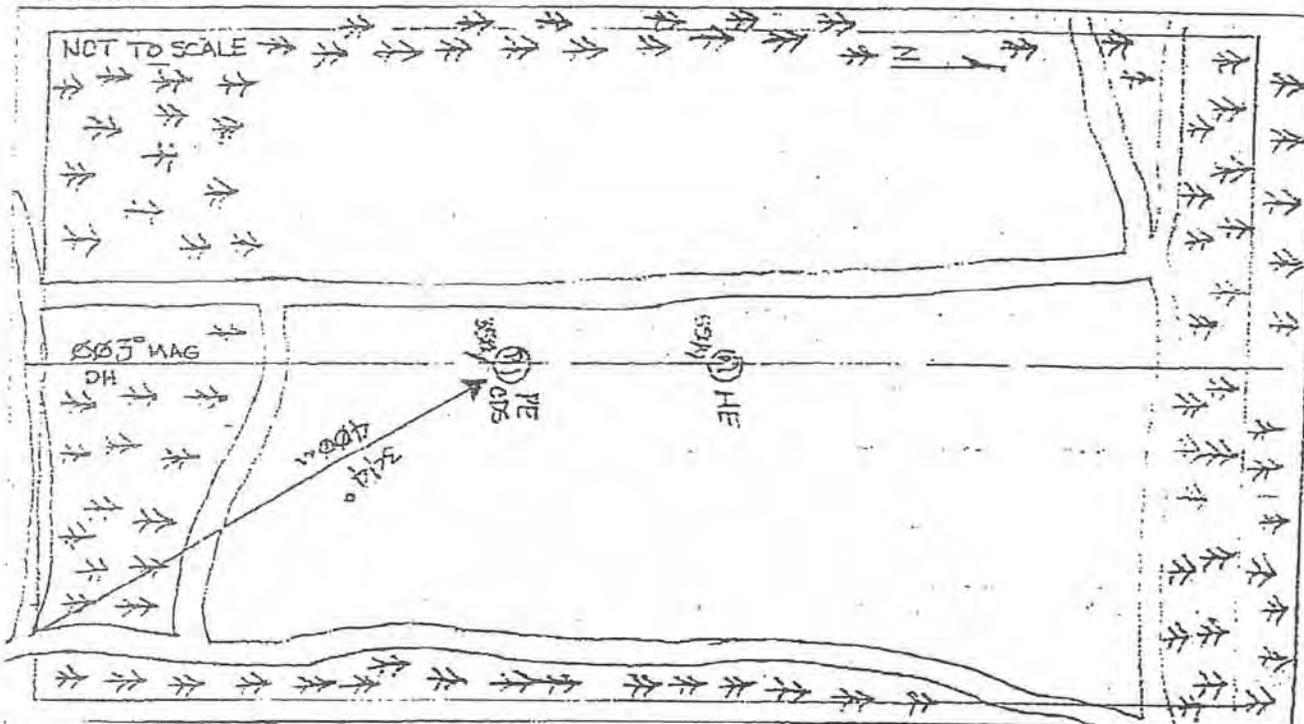
**AIRBORNE UNIT ASSUMES RESPONSIBILITY FOR PERSONNEL INJURY AND EQUIPMENT DAMAGE ON DZ**

<b>DROP ZONE SURVEY</b>	1A. DZ NAME FRYAR DZ		1B. ZAR INDEX NO.		2A. COUNTRY USA		2B. STATE AL	
	3. MAP SERIES/SHEET NUMBER/ EDITION/ DATE OF MAP V 745-S FT. BENN MIM 002 20070301							
<b>4. SURVEY APPROVAL/DISAPPROVAL DATA</b>								
4A1. DATE SURVEYED 20090414		4A2. TYPED NAME AND GRADE OF SURVEYOR Andrew J. Martin, SSG/E-6			4A3. PHONE NUMBER (DSN) 835-1111		4A4. UNIT HHC 1-507 PIR	
4B. DROP ZONE APPROVAL/DISAPPROVAL A = APPROVED D = DISAPPROVED	FOR	CDS/CRL/CRS	PER	HE	MFF	SATB	CRRC	HSL LADS
	DAY	A	A	A	A	A	D	A
	NIGHT	A	A	A	A	A	D	A
4C. DATE APPROVED FOR GROUND OPERATIONS 20090915	NAME, GRADE AND SERVICE OF APPROVAL AUTHORITY Pudil, Charles A II, O-4, US Army				PHONE NUMBER (DSN) 835-6574		SIGNATURE 	
	UNIT AND LOCATION HQ, 1-507 PIR, Ft. Benning, GA 31905							
4D. DATE SAFETY OF FLIGHT REVIEW APPROVED 20090916	NAME AND GRADE OF REVIEWING OFFICER Terence B. Green, MAJ, USAFR			PHONE NUMBER (DSN) 625-3498		SIGNATURE 		
	UNIT AND LOCATION 94 OSS/OSK, Dobbins ARB, GA 30069							
4E. DATE OF MAJCOM APPROVAL 20090918	NAME AND GRADE OF APPROVING AUTHORITY Steven R. Clayton, COL, USAFR			PHONE NUMBER (DSN) 625-5110		SIGNATURE 		
	UNIT AND LOCATION 94 OG/CC, Dobbins ARB, GA 30069							
<b>5. COORDINATING ACTIVITIES</b>								
A. DZ CONTROLLING AGENCY OR UNIT Lawson Army Air Field, Ft Benning, GA			B. MEMORANDUM OF UNDERSTANDING/LAND USE YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> ATTACHED <input type="checkbox"/>			C. PHONE NUMBER (DSN) 835-3524		
D. RANGE CONTROL Range Control FM 38.60 / Doughboy Advisory VHF 138.325 UHF 227.4						E. PHONE NUMBER (DSN) 835-6291		
<b>6. DZ DIMENSIONS (YDS/MTRS) (FOR CIRCULAR DZ, ENTER RADIUS ONLY)</b>								
A. LENGTH 2500 YDS		B. WIDTH 1300 YDS			C. RADIUS NA			
POINT OF IMPACT DISTANCES FROM DZ LEADING EDGE			D. CDS PI 275 YDS		E. PE PI 350 YDS		F. HE PI 550 YDS	
<b>7. DZ AXIS DATA (OPTIONAL FOR CIRCULAR DZ)</b>								
A. MAGNETIC 352°		B. GRID (MGRS) 349°		C. TRUE 350°		D. SOURCE/DATE OF VARIATION DATA 20090414		
8. GROUND POINT ELEVATION		A. CDS PI 285'		B. HE PI 290'		C. PE PI 285'		D. HIGHEST 375'
<b>9. DZ COORDINATES</b>								
A. SPHEROID WGS84		B. DATUM WGS84		C. GRID ZONE 16S		D. EASTING 6		E. NORTHING 35
F. GPS DERIVED COORDINATES YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			G. POINT OF ORIGIN FA 92379 71230 NE corner of tower foundation, CDSPI 383 yds 025degrees.					
H. POINT DZ CENTERPOINT		MGRS COORDINATES		WGS84 LATITUDE (D-M.MM)		WGS84 LONGITUDE (D-M.MM)		
		FA 92307 72424		N32°16.325'		W084°57.491'		
CDS PI		FA 92501 71557		N32°15.854'		W084°57.378'		
PE PI		FA 92486 71624		N32°15.890'		W084°57.387'		
HE PI		FA 92446 71802		N32°15.986'		W084°57.410'		
<b>10. DZ CORNERS MGRS COORDINATES</b>								
LEFT LEADING EDGE FA 91974 71184				RIGHT LEADING EDGE FA 93136 71441				
LEFT TRAILING EDGE FA 91495 73418				RIGHT TRAILING EDGE FA 92657 73676				

DZ NAME

Arkman Rectangular

10. DZ DIAGRAM



11. REMARKS

1. DZ is for single ship operations only.
2. User accepts responsibility for injury to personnel and damage to equipment and property due to airdrop operations from Air Force aircraft.
3. DZ is approximately 40% trees ranging from 15' to 45' in height.
4. Aircraft must contact Range Control at least 10 min. prior to entry into R-3002.
5. Aircraft must coordinate with Range Control and Columbus Approach for approach access to DZ.
6. Recommend left traffic to avoid overflight of town of Cusseta located 2000m @ 026 deg.
7. Telephone tower 795' MSL located 2600m @ 026 deg.
8. TV tower 2249' MSL located 4750m @ 018 deg.
9. DZ does not meet minimum size requirements for nighttime personnel drops IAW AFI 13-217.
10. GMRS option should be used for night personnel drops due to width limitation.
11. Water tower 789' MSL located 3650m @ 174 deg.

12. PHOTOGRAPH AVAILABLE

YES  NO

LOW LEVEL ROUTES

NONE AVAILABLE  
 ROUTE NAME DESIGNATOR



# RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



**Date Submitted:** 8/7/2012

**EMD Number:** 1222006

**Project#:** AP66

**Project Title:** PATHFINDER SCHOOL FTX

**Description of proposed action:**

Students and Cardre will conduct setting up Helicopter Landing Zones and Sling Load training.

**Sling Load:**

The soldiers are taught how to hookup a five thousand pound cargo net to a helicopter for lifting purpose. This training is conducted on a concert pad.

**Setting up Helicopter Landing Zone:**

The soldiers are taught how to select a suitable landing area for different types of helicopters. The only setup requirement is placing landing flag/triangle on the ground so the helicopter pilot knows where to land the aircraft.

**LOCATION**

**GRID SIZE**

Arkman	07357336 L 1000 yards W 600 yards
Baughman	095852
Combs	088911
Cemetery	102915
Ledo 1 South	1495878931 Radius 197 yards / 180 meters
Ledo 2 North	1491779591 Radius 60 yards / 55 meters
Lee DZ	07648945 L 960 yards W 765 yards
Dekkar	9338473301 L 1522 yards W 700 yards
Liberty	07577232
Molnar	056713
Green	05637159
Hollis	16687965

**Project Location:**

See Project Description

**Amount, Description, Location of Disturbance/Digging:**

None

**Number of Personnel:**

60

**Type of Ammunition:**

G950, G955 smoke Blank

**Number/Types of Trees:**

None

**Size of Project Area:** N/A

**Duration of Action:** Start: 10/1/2012 Stop: 9/30/2013

**Proponent:** Raymond w King 545-6496

**Organization/Unit:** S-3 1-597th PIR

**Number/Types of Vehicles:**

2 x Helicopter, 5 x GSA Vehicles

\*\*\*\*\*  
**DECISION: Concur with conditions**

This Action qualifies for a Categorical Exclusion **I-3** of Appendix B, (32 CFR 651)

(I-3): Intermittent on-post training activities (or off-post training covered by an ARNG land use agreement) that involve no live fire or vehicles off established roads or trails. Uses include, but are not limited to, land navigation, physical training, Federal Aviation Administration (FAA) approved aerial over-flights, and small unit level training.

\*\*\*\*\*  
**REC APPROVED THROUGH 30 SEPTEMBER, 2013**

**Natural Resources - RCW**

**None**

**Michael Barron (706 544 7080), 8/8/2012**

**Cultural Resources - Archeological**

**Conditions:**

**Edward Howard (706 545 1898), 8/9/2012**

See attached JPEG maps for reference. The project area contains federally protected sensitive sites. These sites may or may not be marked with Siebert stakes placed 20 - 30 meters apart which contain labels warning against ground disturbance. Training may be conducted in these sites so long as it does not disturb the ground (digging, off-road vehicle traffic, etc.) The project OIC is responsible to insure the sites are not disturbed, regardless of whether or not they are marked. They are identified in RED in the attached maps. Additionally, if endangered plants, historic artifacts or Native American artifacts (arrowheads, etc) are encountered here (as in anywhere on the Installation) their removal constitutes theft as well as possible violation of other federal laws. This could result in criminal prosecution. Contact CRM with any questions or concerns. Re-submittal is required if submitted project is modified in any way.

**CWA - Training**

**Conditions:**

**Leah Ropski (706 626 0492), 8/8/2012**

Environmental Review: Caution within training areas and motor pools should be taken to protect all nearby waterways (including perennial, intermittent streams and wetlands); as well as ground surfaces and any other sensitive areas in the vicinity of the training areas. Potential spills/releases from this activity that may occur before and/or during the FTX include: 1. Discharge and/or improperly disposal of oil or hazardous substances into or upon land, water, or into ground water areas from storage, handling and/or transportation of hazardous materials/waste; 2. Vehicle/equipment/generators leaks; 3. Fuel loading/unloading/refueling operations; 4. Field mess facilities/equipment/operations, and/or 5. Ammunitions /explosives (as applicable, before and/or during the FTX).

General SPCC Requirements: Ensure all hazardous materials are properly storage to prevent spill/discharges, to meet safety requirements for storage, and that containers are not exposed to the weather. Have adequate spill response supplies available during exercise for any spills that may likely occur. Use drip pans under vehicles and provide secondary containment for any fueling activities and hazardous material/waste storage. Locate all refueling operations and storage of hazardous materials/waste away from waterways and sensitive areas. See attached section on prevention procedures and CHECKlist (Example Unit/Activity SOP for Training and Deployment) to be used during training exercise to comply with SPCC plan requirements. Ensure all wastewater from field mess equipment/operations particularly those involving oil/grease are collected and dispose properly. Do not discharge any wastewater into storm drains or dispose of oil/grease waste directly into land.

General ISCP Requirements: In the event of a spill/discharge -- notify Range Control by radio or call 544-6291, and they will notify E-911 for Fire Department/HAZMAT Team assistance and/or notification of the EMD office (Spill Beeper 706-317-6584). As appropriate, and if personnel are trained -- REACT to minimize spill damages. Submit a spill report to the EPMB Spill Program Manager (use Spill Response Report attached). All spills reaching navigable water must be reported immediately. The unit is responsible for the final cleanup of any spill during this exercise. Coordination with this office is required for clearance of the site.

**Hazardous Materials/Waste**

**Conditions:**

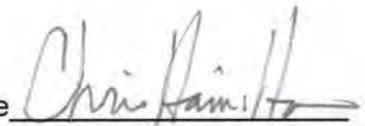
**Ted Williams (706 545 7579), 8/7/2012**

Appropriate precautions must be taken to prevent hazardous material spills. Have adequate quantities of spill response supplies on hand. If a spill occurs use notification procedures as outlined in the Fort Benning Hazardous Waste Management Plan. Contain and clean up spill according to guidance provided by the Environmental Protection Management Branch. Any waste generated must undergo a waste stream analysis to determine appropriate management requirements. If any hazardous waste is generated it must be managed in accordance with Federal, State, Army and Fort Benning regulations.

All excess, unused munitions (to include Defective, misfired, or otherwise unserviceable munitions.) must be returned to the Ammunition Supply Point after the field exercise is completed. A dud shall not be removed from the range; it will be marked, called into range control and will be properly disposed of by EOD personnel IAW/ MCoE Reg 350-19 (23 JUL 10)

Rubbish, empty containers and other waste (including used smoke canisters) should be removed from the training area after the exercise. Contact EPMB for detailed information on the proper disposal of waste products resulting from the exercise. Contact POC below for any questions or additional guidance.

Signature   
for John E Brown  
NEPA Program Manager  
Date 10 AUG 2012

Signature   
Christopher E. Hamilton, PhD  
EPMB Chief  
Date 10 Aug 12