

CRM LESSON PLAN REPORT
CONFIRM BUIS ZERO (BCT RM PD 4)
071-BT071044 / 5.02 ©

Approved
19 Jul 2021

Effective Date: 19 Jul 2021

SCOPE:

One of the most important steps in the zeroing process is the zero confirmation at 300 meters. A 25m zero does not guarantee a center hit at 300 meters. The only way to rely on a 300m hit is to confirm a 300m zero. This lesson plan covers a zero refinement exercise at 100 and 200 meters, and a zero confirmation exercise at 300 meters.

It is important to ensure the Trainees possess the knowledge and confidence to hit near, mid-range, and far targets using the proper point of aim for each distance. This best practice should be emphasized throughout the entire RM process!

It is imperative that Instructors provide feedback to each Trainee that fails to meet the standards. Accountability of the proper enforcement of concurrent and remedial training, proper feedback, maximizing POI time, and physical scoring data are the responsibility of the Commander, 1SG, and XO.

Distribution Restriction: Distribution authorized to U.S. Government agencies only

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Foreign Disclosure: FD2 - This training product has been reviewed by the training developers in coordination with the MCoE G2 foreign disclosure officer. This training product can be used to instruct international military students when the country meets specific criteria. Specify requirement(s) that each country must meet (select all that are appropriate): 1) Must purchase equipment through FMS TBD; 2) Must be a member of a specific group or coalition TBD; 3) Must have an accepted clearance (must be authorized under an identified general security agreement with the US); 4) May not

attend FD3 modules TBD; 5) Other TBD.

SECTION I. ADMINISTRATIVE DATA

All Course Masters/POIs Including This Lesson

Courses				
<u>Course Number</u>	<u>Version</u>	<u>Title</u>	<u>Phase</u>	<u>Status</u>
750-BT	11.0	Basic Combat Training	N/A	Analysis

POIs				
<u>POI Number</u>	<u>Version</u>	<u>Title</u>	<u>Phase</u>	<u>Status</u>
31B10-OSUT	21.0 ©	Basic Military Police	0	Analysis
12C10-OSUT	20.0 ©	Bridge Crewmember	0	Analysis
750-BT	11.0 ©	Basic Combat Training	0	Analysis
12C10-OSUT (ST)	20.0 ©	Bridge Crewmember	0	Analysis

Task(s) Taught(*) or Supported

<u>Task Number</u>	<u>Task Title</u>	<u>Status</u>
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Reinforced Task(s)

<u>Task Number</u>	<u>Task Title</u>	<u>Status</u>
071-COM-0033	Correct Malfunctions of an M16-Series Rifle/M4-Series Carbine	Approved
071-COM-0029	Perform a Function Check on an M16-Series Rifle/M4-Series Carbine	Approved
071-COM-0031	Zero an M16-Series Rifle/M4-Series Carbine	Approved
071-COM-0030	Engage Targets with an M16-Series Rifle/M4-Series Carbine	Approved
071-COM-0028	Load an M16-Series Rifle/M4-Series Carbine	Approved
071-COM-0027	Unload an M16-Series Rifle/M4-Series Carbine	Approved

Knowledge

<u>Knowledge Id</u>	<u>Title</u>	<u>Taught</u>	<u>Required</u>
071-WPN-0067	Knowledge of Firing Positions	No	Yes
071-WPN-0068	Knowledge of Firing Techniques	No	Yes
071-WPN-0069	Zeroing Techniques	No	Yes

Skill

<u>Skill Id</u>	<u>Title</u>	<u>Taught</u>	<u>Required</u>
071-WPN-0026	Assume Firing Positions	No	Yes
071-WPN-0024	Follow Safety Procedures	No	Yes
S0292	Explain the basics of marksmanship fundamentals with a rifle	No	Yes

Administrative/ Academic Hours

The administrative/academic (50 min) hours required to teach this lesson are as follows:

<u>Academic</u>	<u>Resident Hours / Methods</u>		
Yes	0 hrs	10 mins	Lecture
Yes	7 hrs	20 mins	Practical Exercise (Hands-On/Written)
Yes	0 hrs	20 mins	Discussion (Small or Large Group)
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Total Hours(50 min):	8 hrs	0 mins	

Instructor Action Hours

The instructor action (60 min) hours required to teach this lesson are as follows:

Hours/Actions

0 hrs	30 mins	Training Event Clean-up/Breakdown (non-FTX)
0 hrs	45 mins	Training Event Prep/Setup (non-FTX)

Total Hours (60 min): 1 hrs 15 mins

Test Lesson(s)

<u>Hours</u>	<u>Lesson Number Version</u>	<u>Lesson Title</u>
None		

Prerequisite Lesson(s)

<u>Hours</u>	<u>Lesson Number Version</u>	<u>Lesson Title</u>
8 hrs	0 min	071-BT071041 Version 5.02 ©
8 hrs	0 min	071-BT071042 Version 5.01 ©
8 hrs	0 min	071-BT071043 Version 5.01 ©

Introduction to Rifle Marksmanship (BCT RM Pd 1)
 Introduction to Range Procedures - BUIS (BCT RM Pd 2)
 BUIS Group and Zero (BCT RM Pd 3)

Training Material Classification

Security Level: This course/lesson will present information that has a Security Classification of: U - Unclassified.

Foreign Disclosure Restrictions

FD2. This training product has been reviewed by the training developers in coordination with the MCoE G2 foreign disclosure officer. This training product can be used to instruct international military students when the country meets specific criteria. Specify requirement(s) that each country must meet (select all that are appropriate): 1) Must purchase equipment through FMS TBD; 2) Must be a member of a specific group or coalition TBD; 3) Must have an accepted clearance (must be authorized under an identified general security agreement with the US); 4) May not attend FD3 modules TBD; 5) Other TBD.

References

<u>Number</u>	<u>Title</u>	<u>Date</u>
AR 385-10	The Army Safety Program	24 Feb 2017
AR 385-63	Range Safety (MCO 3570.1C)	30 Jan 2012
ATP 3-34.5	Environmental Considerations	10 Aug 2015
ATP 5-19	RISK MANAGEMENT, with change 1 dated 8 Sep 2014	14 Apr 2014
PAM 385-10	ARMY SAFETY PROGRAM (*RAR 003, 01/19/2010)	23 May 2008
PAM 385-63	Range Safety	16 Apr 2014
TC 3-20.40	Training and Qualification - Individual Weapons	01 Jul 2019
TC 3-22.9	Rifle and Carbine	13 May 2016
TM 9-1005-319-10	OPERATOR'S MANUAL FOR RIFLE, 5.56 MM, M16A2 (NSN 1005-01-128-9936), (EIC: 4GM) RIFLE, 5.56 MM, M16A3 (NSN 1005-01-357-5112) RIFLE, 5.56 MM, M16A4 (NSN 1005-01-383-2872) (EIC: 4F9) CARBINE, 5.56 MM, M4 (Change 2 Dated 15 April 2019)	01 Aug 2016
TRADOC REG 350-6	Enlisted Initial Entry Training Policies and Administration http://www.tradoc.army.mil/tpubs/regs/TR350-6.pdf	09 Aug 2019

Student Study Assignment

TRADOC PAM 600-4, IET Soldiers Handbook.

Instructor Requirements

All Instructors must be:

- Instructor Certified.
- Knowledgeable on TC 3-20.40, Training and Qualification-Individual Weapons and TC3-22.9, Rifle and Carbine.
- Trained and experienced in Rifle Marksmanship.

Support Personnel Requirements

None

**Additional
Support
Personnel
Requirements**

<u>Name</u>	<u>Student Ratio</u>	<u>Qty</u>	<u>Man Hours</u>
Driver Remarks:	0:0	4	16.0
Operations NCO Remarks:	0:0	1	16.0
Tower Operator Remarks:	0:0	1	16.0
Combat Lifesaver Qualified Individual Remarks:	0:0	1	16.0
Ammunition NCO Remarks:	0:0	1	18.0
Bus Driver Remarks: Two days of transportation out to the range and back to the company area	0:0	5	16.0
Range Technician Remarks: This covers two days on the range	0:0	1	16.0
Range NCOIC Remarks:	0:0	1	16.0
Range OIC Remarks:	0:0	1	16.0

**Equipment
Required
for Instruction**

<u>ID - Name</u>	<u>Student Ratio</u>	<u>Instructor Ratio</u>	<u>Spt</u>	<u>Qty</u>	<u>Exp</u>
* DIME WASHER - TRAINING DEVICE: DIME WASHER (Local TADSS – Not in TSMATS/PAM 25-30) Remarks:	5:50		0	0	No
* DVC-T07-26 - M15A1 AIMING CARD (Local TADSS – Not in TSMATS/PAM 25-30) Remarks:	5:50		0	0	No
* DVC-T7-86-1 - TARGET BOX AND PADDLE (Local TADSS – Not in TSMATS/PAM 25-30) Remarks:	5:50		0	0	No
* GTA 08-12-001 - Manual of Applied Performance Skills (MAPS) Remarks:	0:0				No
* T 07-087 - Riddle Sighting Device Remarks:	5:50		0	0	No
* TAD-26A - FRONT AND REAR SIGHT MOCK-UP M16A2 (Local TADSS – Not in TSMATS/PAM 25-30) Remarks:	2:200		0	0	No
1005-01-363-0199 - Loader, Magazine Remarks:	1:1	0:0	No	0	No
1005-01-382-0953 - Carbine, 5.56 Millimeter: M4A1 Remarks:	1:1	0:0	No	0	No
1005-01-526-7294 - Cleaning Kit, Gun, M16A2, M4A1 Rifle 5.56MM Remarks:	1:1	0:0	No	0	No
1005-01-630-9508 - 30 Round Magazine Assembly Remarks:	7:1	0:0	No	0	No
102-71C-2126 - FIELD LITTER, GREEN Remarks:	0:0	0:0	Yes	4	No
2310-01-090-7709 - Bus Transit 44 Passenger Remarks:	1:40	0:0	No	0	No
2320-01-090-7834 - Truck Carryall 1- 1/2 Ton 8500 GVW Remarks:	0:0	0:0	Yes	1	No
2320-01-090-7905 - Truck Stake 3-1/2 Ton 14M GVW Remarks:	0:0	0:0	Yes	1	No
2330-01-108-7367 - Trailer Water: M149A2 Remarks:	0:0	0:0	Yes	1	No
4110-01-485-3626 - Chest, Ice Storage, White, 48 Quart Capacity 2S Remarks:	0:0	0:0	Yes	4	No
4210-00-965-1115 - Dry Chemical, Fire Extinguisher, Ammonium Phosphate, 50 Pounds Remarks:	0:0	0:0	Yes	4	No
5820-01-017-3742 - Radio Set Base Station: L43BBB-3100AM Remarks:	0:0	0:0	Yes	1	No
5820-01-243-4960 - Radio 10 Channel, Portable, Motorola: MDL-Q2 Remarks:	0:0	0:0	Yes	8	No
6508-01-499-8104 - Dawn, Antibacterial Hand Soap, 25 Fluid Ounces 12S Remarks:	1:50	0:0	No	0	No
6515-01-363-4495 - THERMOMETER,CLINICAL,HUMAN Remarks:	0:0	0:0	Yes	4	No
6530-01-260-1222 - Rescue and Transport System, Patient Remarks:	0:0	0:0	Yes	4	No

6545-01-532-3674 - Medical Equipment Set, Combat Lifesaver, Version 2005, UA 245A Remarks:	0:0	0:0	Yes	4	No
6660-00-663-8090 - Anemometer: ML-433/PM Remarks: Must have a back-up	0:0	0:0	Yes	2	No
6665-01-381-3023 - Wet Bulb-Globe Temperature Kit Remarks:	0:0	0:0	Yes	1	No
6920-01-167-1395 - Target, Silhouette: 175 Meter Feedback M16A1 Series Remarks:	1:10	0:0	No	0	No
7210-00-081-1417 - Sheet, Bed, Cotton-Polyester, White, 104 X 72 Inches, Solid, Plain, Flat Remarks:	0:0	0:0	Yes	8	No
7240-00-089-3827 - Can, Water, Military: Plastic, 5-Gallon Capacity Remarks:	0:0	0:0	Yes	12	No
7330-00-781-3859 - Jug, Insulated, 5 Gallon Remarks:	0:0	0:0	Yes	12	No
7520-01-294-3720 - MARKERS, DRY ERASE Remarks:	0:0	2:1	No	0	No
8960-01-430-4378 - Ice, 8 Pounds Remarks:	1:10	0:0	Yes	8	No
9150-01-053-6688 - Cleaner, Lubricant and Preservative, 1 Gallon Bottle Remarks:	1:50	0:0	No	0	No

(Note: Asterisk before ID indicates a TADSS.)

Materials Required

Instructor Materials:

Drill Sergeants will use the Center for Army Lessons Learned (CALL) website at <http://call.army.mil/> get the most current and relevant information on Tactics, Techniques, and Procedures (TTPs) used in the Operational Environment (OE).

Student Materials:

TRADOC PAM 600-4, IET Soldiers Handbook.

Classroom, Training Area, and Range Requirements

<u>ID - Name</u>	<u>Quantity</u>	<u>Student Ratio</u>	<u>Setup Mins</u>	<u>Cleanup Mins</u>
17810-16-40 Known Distance (KD) Range, 16 Firing Points (Firing Ranges), 40 Acre Remarks: FP and AC will vary per Range.		1:200	30	30
17803-16-40 Automated Field Fire (AFF) Range, 16 Firing Points (Firing Ranges), 40 Acre Remarks: FP and AC will vary per Range.		1:200	30	30

Ammunition Requirements

<u>DODIC - Name</u>	<u>Exp</u>	<u>Student Ratio</u>	<u>Instruct Ratio</u>	<u>Spt Qty</u>
AB77 - Cartridge, 5.56 Millimeter Ball, M855A1, Clipped Bulk Pack Remarks: 50 Rounds as per CIMT 2020 Rifle Marksmanship Strategy	Y	50:1	0:0	

**Instructional Guidance/
Conduct of Lesson**

NOTE: Before presenting this lesson, instructors must thoroughly prepare by studying this lesson and identified reference material.

INSTRUCTOR NOTE: This period may be fired on a LOMAH equipped range instead of the standard KD range.

Main Effort: Zeroing Range

Drill Sergeant to Trainees ratio must be maintained at 1:3 in order to ensure Trainee weapons are zeroed properly.

1 Drill Sergeant must be devoted to running the verification process which ensures Trainees understand the elements of the shot process before they walk onto the range itself. An example of this verification process would be demonstrating 5 consecutive dime/washer drills successfully for BUIS.

1 Drill Sergeant/RM Instructor must run the remedial training station. This must be a Drill Sergeant/RM Instructor in order to ensure remedial training is conducted properly.

Drill Sergeants/RM Instructor on the line will fill the role of Coach and Instructor.

**Proponent Lesson
Plan Approvals**

<u>Name</u>	<u>Rank</u>	<u>Position</u>	<u>Date</u>
Joseph Hiner	Not available	Approver	19 Jul 2021

SECTION II. INTRODUCTION

Method of Instruction: Lecture
 Mode of Delivery: Resident Instruction
 Instr Type (I:S Ratio): Military - NON-ICH (1:50) (DS)
 Time of Instruction: 5 mins

Motivator

Now you will confirm that you can actually hit a target at typical combat ranges. The battlefield is forever changing. You must be able to perform under any condition and in any area around the world. Knowing or having a basic idea of what to expect based on the Operational Environment (OE) better prepares you as a Trainee to meet the challenges faced during a time of war. Drill Sergeants will use his/her past experiences and various scenarios that represent the current Operational Environment (OE).

Terminal Learning Objective

NOTE. Inform the students of the following Terminal Learning Objective requirements. At the completion of this lesson, you [the student] will:

Action:	Confirm BUIS Zero at 300m with an M4 Carbine.
Conditions:	On known distance range or AFF(LOMAH); given an M4 Carbine with BUIS; sandbags for support, 50 rounds of 5.56mm ammunition, and E-1 or D-1 type targets at 100m, 200m, and 300m while firing from the prone supported position and wearing the prescribed uniform.
Standards:	Confirm BUIS zero at 300 meters by: - Engaging a 100m E-1 or D-1 type target with 8 of 10 hits within a 6 inch circle by firing 20 rounds (4 sets of 5 rounds) and, - Engaging a 200m E-1 or D-1 type target with 8 of 10 hits within a 8 inch circle by firing 20 rounds (4 sets of 5 rounds) and, - Engaging a 300m E-1 or D-1 type target with 4 of 5 hits within a 12 inch circle by firing 10 rounds (2 sets of 5 rounds).
Learning Domain - Level:	Psychomotor - Precision
No JPME Learning Areas Supported:	None

Safety Requirements

Safety must be paramount in the complex outdoor environment. During the training process, Commanders will utilize the 5-Step Risk Management process to determine the safest and most complete method to train. Every precaution will be taken while replicating realistic battlefield conditions.

Safety is everyone's responsibility to recognize, mitigate, and report hazardous materials. The DD Form 2977, Deiberate Risk Assessment Worksheet (DRAW) is to be produced locally IAW ATP 5-19.

INSTRUCTOR NOTE: The Instructor will brief the units/site SOP and Deliberate Risk Assessment Worksheet for all potential contingencies encountered during the training period/event (i.e., severe weather, fire, evacuation routes, and rally points, etc).

Risk Assessment Level

Low - Heat/ Cold Weather Injuries.

Assessment: Ensure to check local weather reports prior to the execution of training. Drill Sergeants must conduct layouts prior to training to ensure all required clothing and equipment is present.

Controls: Drill Sergeants will monitor Trainees to ensure adequate hydration and nutrition. Drill Sergeants will ensure Trainees are wearing the appropriate clothing and protective gear for the local weather.

Leader Actions: Ensure DD Form 2977 is updated with the appropriate controls. Make sure every Drill Sergeant is aware of Controls prior to execution of training so they can take appropriate action.

Low - Interactions with local wildlife.

Assessment: Check local listings of wildlife.

Controls: Ensure Drill Sergeants give a detailed Safety Brief prior to the execution of training to include what potentially hazardous animals and insects could be in the area. Drill Sergeants will monitor Trainees at all times.

Leader Actions: Ensure DD 2977 is updated with the appropriate controls. Ensure Drill Sergeants have to appropriate information prior to the execution of training.

Low - Interactions with poisonous plants.

Assessment: Check local listings of potentially hazardous plants.

Controls: Drill Sergeants will give a detailed safety brief to include what types of poisonous plants are in the area, (sumac, poison oak/ivy). Drill Sergeants will ensure Trainees avoid the identified plants.

Leader Actions: Ensure DD 2977 is updated with the appropriate controls. Ensure Drill Sergeants have the appropriate information prior to the execution of Training.

Low - Hyponatremia.

Assessment: Review the symptoms of Hyponatremia.

Controls: Drill Sergeants will monitor Trainee water consumption. Ensure the safety brief includes the symptoms of Hyponatremia.

Leader Actions: Ensure DD 2977 is updated with appropriate controls. Ensure Drill Sergeants have the appropriate information prior to the safety brief.

Low - Inclement weather.

Assessment: Check local forecasts. Contact range control for more detailed information.

Controls: Drill Sergeants will brief Trainees what course of action to take for specific weather conditions (lightning, Tornadoes, etc.)

Leader Actions: Ensure DD 2977 is updated with appropriate controls. Ensure Drill Sergeants are aware of what weather is expected and where to take shelter if appropriate.

Low - Dehydration.

Assessment: Check water levels in the unit water trailer prior to execution of training. Make sure Drill Sergeants check Trainees water is topped off prior to departure.

Controls: Drill Sergeants will include symptoms of dehydration in their safety brief. Drill Sergeants will monitor Trainees water Consumption.

Leader Actions: Ensure DD 2977 is updated with appropriate controls. Ensure Drill Sergeants have the appropriate information prior to the safety brief.

Low - Fratricide.

Assessment: Review range/weapons safety procedures prior to training.

Controls: The Drill Sergeants will include range/weapons safety procedures in their safety brief. Drill Sergeants will

closely monitor trainees during the live fire portion of the training.

Leader Actions: Ensure DD 2977 is updated with appropriate controls. Ensure Drill Sergeants have the appropriate information prior to the safety brief.

Environmental Considerations

NOTE: Instructor should conduct a risk assessment to include environmental considerations IAW the current environmental considerations publication, and ensure students are briefed on hazards and control measures.

Units and installations will prepare an environmental risk assessment using the before, during, and after checklist found in ATP 3-34.5, Appendix K. The checklist should supplement local and state environmental regulations applicable to your area.

Instructional Lead-in

You will now confirm the zero of your weapon by refining zero at 100 meters, 200 meters, and confirming at 300 meters. Confirming your zero may require minor changes to your sight adjustments in order to obtain the optimal zero of your weapon. However, you should not make major changes to your sights. *TRAINEES WILL NOT MAKE ADJUSTMENTS UNLESS APPROVED BY A DRILL SERGEANT/RM INSTRUCTOR.*

SECTION III. PRESENTATION

NOTE: Inform the students of the Enabling Learning Objective requirements.

A. ENABLING LEARNING OBJECTIVE

ACTION:	Refine BUIS Zero at 100m with an M4 Carbine.
CONDITIONS:	On a known distance range or AFF(LOMAH); given an M4 Carbine with BUIS, sandbags for support, 20 rounds of 5.56mm ammunition, and a target at 100m while firing from the prone supported position and wearing the prescribed uniform.
STANDARDS:	Refine Zero at 100 meters with M4 Carbine and back up iron sights (BUIS) by firing 20 rounds at 100m (4 sets of 5 rounds) and achieving 8 of 10 rounds within a 6 inch circle from the prone supported firing position.
LEARNING DOMAIN - LEVEL:	Psychomotor - Precision
No JPME LEARNING AREAS SUPPORTED:	None

ELO A - LSA 1. Learning Step / Activity ELO A - LSA 1. Receive Range Safety Brief

Method of Instruction: Discussion (Small or Large Group)

Mode of Delivery: Resident Instruction

Instr Type (I:S Ratio): Military - NON-ICH (3:50)(DS)

Time of Instruction: 5 mins

Media Type: Actual Equipment / Practical Exercise

Other Media: Unassigned

Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

INSTRUCTOR NOTE: The Live fire range operations and safety brief is a range requirement.

I will now give you a range safety briefing.

Check on Learning:

Conduct a check on learning by asking questions, soliciting answers from Students and correcting misunderstandings. The following questioning prompts can be utilized to determine if the Students have achieved the desired level of learning and are capable of applying the information taught during this lesson:

What actions would you take to perform _____?

How would you develop _____ to present _____?

What other way would you choose to _____?

What would the result be if _____?

How would you demonstrate _____?

How would you present _____?

How would you change _____?

How would you modify _____?

How could you develop _____?

Why does _____ work?

How would you alter _____ to _____?

What examples can you find that _____?

How would you solve _____?

Review Summary:

NOTE: Repeat the terminal learning objective of the lesson and summarize the learning step activity.

NOTE: Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.

NOTE: Reiterate the Performance Enhancement Component(s) that can be utilized to accomplish the intended learning outcome(s).

ELO A - LSA 2. Learning Step / Activity ELO A - LSA 2. Refine BUIS zero at 100m with an M4 Carbine.

Method of Instruction: Practical Exercise (Hands-On/Written)

Mode of Delivery: Resident Instruction

Instr Type (I:S Ratio): Military - NON-ICH (3:50)(DS)

Time of Instruction: 2 hrs 10 mins

Media Type: Actual Equipment / Practical Exercise

Other Media: Unassigned

Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

INSTRUCTOR NOTE: The firing line ratio should be 1 Drill Sergeant per 3 Trainees.

INSTRUCTOR NOTE: The Instructor must determine the crosswind speed on the range. If the crosswind exceeds five miles per hour, KD zeroing should not be attempted (TC 3-22.9).

INSTRUCTOR NOTE: Have the firer secure one 20 round magazine, then move to the firing line.

You will now Refine Zero at 100 meters.

Tell the Trainees, you must receive permission and assistance from your Drill Sergeant/RM Instructor. before making any adjustments.

INSTRUCTOR NOTE: Ensure the Trainees fire 4 sets of 5 rounds, maintain the same point of aim, and only make required adjustments after confirmation. Ensure the Trainees observe their hits (binos for KD or the computer screen for AFF/LOMAH) However, if 8 of 10 shots within a 6 inch circle is not achieved, consider remedial training or as a last resort (i.e., wind is above 5mph) use an adjusted aiming point. Trainers must pay close attention to required changes on this range.

Check on Learning:

Conduct a check on learning by asking questions, soliciting answers from Students and correcting misunderstandings.

Review Summary:

NOTE: Repeat the terminal learning objective of the lesson and summarize the learning step activity.

NOTE: Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.

NOTE: Reiterate the Performance Enhancement Component(s) that can be utilized to accomplish the intended learning outcome(s).

ELO A - LSA 3. Learning Step / Activity ELO A - LSA 3. Target Feedback

Method of Instruction: Lecture

Mode of Delivery: Resident Instruction

Instr Type (I:S Ratio): Military - NON-ICH, DS (3:50)

Time of Instruction: 5 mins
 Media Type: Computer Assisted Instruction / Actual Equipment
 Other Media: Unassigned
 Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.
 Note: Marked as (*) is derived from the parent learning object

Provide computer generated feedback (if conducting training on a LOMAH Range) and identify Soldiers that require retraining.

Utilize the target boards with Spotters at 1 inch (100m), 2 inch (200m), and 3 inch (300m) and spindles to spot the impact of the rounds. When exposing the target boards, ensure you provide enough time for the firers to identify where the rounds impacted (30 seconds of exposure). Utilize E-1 or D-1 type Targets.

NOTE: Some units may not be equipped with the 2 inch target board.

Check on Learning: Conduct a check on learning by asking questions, soliciting answers from Students and correcting misunderstandings.

Review Summary: **NOTE: Repeat the terminal learning objective of the lesson and summarize the learning step activity.**
NOTE: Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.
NOTE: Reiterate the Performance Enhancement Component(s) that can be utilized to accomplish the intended learning outcome(s).

CHECK ON LEARNING (ELO A): Conduct a check on learning by asking questions, soliciting answers from Students and correcting misunderstandings.

REVIEW SUMMARY(ELO A): **NOTE: Repeat the terminal learning objective of the lesson and summarize the learning step activity.**
NOTE: Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.
NOTE: Reiterate the Performance Enhancement Component(s) that can be utilized to accomplish the intended learning outcome(s).

B. ENABLING LEARNING OBJECTIVE

ACTION:	Refine BUIS zero at 200 meters with an M4 Carbine.
CONDITIONS:	On a known distance range or AFF(LOMAH), given an M4 Carbine with BUIS, sandbags for support, 20 rounds of 5.56mm ammunition, and a target at 200m while firing from the prone supported position and wearing the prescribed uniform.
STANDARDS:	

	Refine Zero at 200 meters with the M4 Carbine BUIS by firing 20 rounds at 200m (4 sets of 5 rounds) and achieving 8 of 10 rounds within a 8 inch circle from the prone supported firing position.
LEARNING DOMAIN - LEVEL:	Psychomotor - Precision
No JPME LEARNING AREAS SUPPORTED:	None

ELO B - LSA 1. Learning Step / Activity ELO B - LSA 1. Refine BUIS zero at 200m with an M4 Carbine

Method of Instruction: Practical Exercise (Hands-On/Written)

Mode of Delivery: Resident Instruction

Instr Type (I:S Ratio): Military - NON-ICH (3:50)* (DS)

Time of Instruction: 2 hrs 10 mins

Media Type: Practical Exercise

Other Media: Unassigned

Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

Note: Marked as (*) is derived from the parent learning object

INSTRUCTOR NOTE: The firing line ratio should be 1 Drill Sergeant per 3 Trainees.

INSTRUCTOR NOTE: The Instructor must determine the crosswind speed on the range. If the crosswind exceeds five miles per hour, KD zeroing should not be attempted (TC 3-22.9).

INSTRUCTOR NOTE: Have the firer secure one 20 round magazine, then move to the firing line.

Tell the Trainees, you will now Refine Zero at 200 meters. If you believe you need to make sight adjustments, you must receive permission and assistance from your Drill Sergeant/RM Instructor.

INSTRUCTOR NOTE: Ensure the Trainees fire 4 sets of 5 rounds, maintain the same point of aim, and only make required adjustments after confirmation. Ensure the Trainees observe their hits (binos for KD or the computer screen for AFF/LOMAH) However, if 8 of 10 shots within an 8 inch circle is not achieved, consider remedial training or as a last resort (i.e., wind is above 5mph) use an adjusted aiming point.

INSTRUCTOR NOTE: Trainers must pay close attention to required changes on this range.

Check on Learning:

Conduct a check on learning by asking questions, soliciting answers from Students and correcting misunderstandings.

Review Summary:

NOTE: Repeat the terminal learning objective of the lesson and summarize the learning step activity.

NOTE: Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.

NOTE: Reiterate the Performance Enhancement Component(s) that can be utilized to accomplish the intended learning outcome(s).

ELO B - LSA 2. Learning Step / Activity ELO B - LSA 2. Target Feedback

Method of Instruction: Discussion (Small or Large Group)

Mode of Delivery: Resident Instruction

Instr Type (I:S Ratio): Military - NON-ICH (3:50)* (DS)

Time of Instruction: 5 mins

Media Type: Computer Assisted Instruction / Actual Equipment

Other Media: Unassigned

Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

Note: Marked as (*) is derived from the parent learning object

Provide computer generated feedback (if conducting training on a LOMAH Range) and identify Soldiers that require retraining.

Utilize the target boards (if available) with Spotters at 2 inches (200m) and spindles to spot the impact of the rounds. When exposing the target boards, ensure you provide enough time for the firers to identify where the rounds impacted (30 seconds of exposure). Utilize E-1 or D-1 type Targets.

Check on Learning: Solicit questions that will confirm the firer understands the feedback.

Review Summary: Provide an overview of the provided feed back and the firer's understanding that will lead to improvement.

CHECK ON LEARNING (ELO B): Conduct a check on learning by asking questions, soliciting answers from Students and correcting misunderstandings.

REVIEW SUMMARY(ELO B):

NOTE: Repeat the terminal learning objective of the lesson and summarize the learning step activity.

NOTE: Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.

NOTE: Reiterate the Performance Enhancement Component(s) that can be utilized to accomplish the intended learning outcome(s).

C. ENABLING LEARNING OBJECTIVE

ACTION:	Confirm BUIS Zero at 300m with an M4 Carbine.
CONDITIONS:	On a known distance range or AFF(LOMAH), given an M4 Carbine, BUIS, sandbags for support, 10 rounds of 5.56mm ammunition, and a target at 300m while firing from the prone supported position and wearing the prescribed uniform.
STANDARDS:	Confirm Zero with an M4 Carbine by firing 10 rounds at 300m (2 sets of 5 rounds) and obtaining two consecutive hits with 4 of 5 rounds in a 12 inch circle from the prone firing position using a BUIS.
LEARNING DOMAIN - LEVEL:	Psychomotor - Precision
No JPME LEARNING AREAS SUPPORTED:	None

ELO C - LSA 1. Learning Step / Activity ELO C - LSA 1. Confirm BUIS Zero at 300 meters.

Method of Instruction: Practical Exercise (Hands-On/Written)

Mode of Delivery: Resident Instruction

Instr Type (I:S Ratio): Military - NON-ICH (3:50)(DS)

Time of Instruction: 2 hrs

Media Type: Actual Equipment / Practical Exercise

Other Media: Unassigned

Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

INSTRUCTOR NOTE:The firing line ratio should be 1 Drill Sergeant per 3 Trainees.

INSTRUCTOR NOTE: The Instructor must determine the crosswind speed on the range. If the crosswind exceeds five miles per hour, KD zeroing should not be attempted (TC 3-22.9).

INSTRUCTOR NOTE: Trainees will now Confirm Zero at 300 meters.

Tell Students, You must get confirmation from your Drill Sergeant before adjusting your sights.

INSTRUCTOR NOTE: Have the firer secure one 10-round magazine and move to the firing line.

Ensure the Trainees fire two 5-round shot groups, maintain the same aiming point, and make any sight changes only after confirmation with the Drill Sergeant/ RM Instructor. Ensure the Trainees observe their hits (binos for KD or the computer screen for AFF/LOMAH) However, if the Trainees do not hit two 5-round shot groups, consider remedial training or as a last resort (i.e., wind is above 5mph) use an adjusted aiming point.

Check on Learning: Conduct a check on learning by asking questions, soliciting answers from Students and correcting misunderstandings.

Review Summary: **NOTE: Repeat the terminal learning objective of the lesson and summarize the learning step activity.**
NOTE: Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.
NOTE: Reiterate the Performance Enhancement Component(s) that can be utilized to accomplish the intended learning outcome(s).

ELO C - LSA 2. Learning Step / Activity ELO C - LSA 2. Target Feedback

Method of Instruction: Discussion (Small or Large Group)

Mode of Delivery: Resident Instruction

Instr Type (I:S Ratio): Military - NON-ICH, DS (3:50)

Time of Instruction: 5 mins

Media Type: Computer Assisted Instruction / Actual Equipment

Other Media: Unassigned

Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

Note: Marked as (*) is derived from the parent learning object

Provide computer generated feedback (if conducting training on a LOMAH Range) and identify Soldiers that require retraining.

Utilize the target boards with Spotters at 3 inches (300m) and spindles to spot the impact of the rounds.

When exposing the target boards, ensure you provide enough time for the firers to identify where the rounds impacted (30 seconds of exposure). Utilize E-1 or D-1 type Targets.

Check on Learning: Conduct a check on learning by asking questions, soliciting answers from Students, and correcting misunderstandings.

Review Summary: **NOTE: Repeat the terminal learning objective of the lesson and summarize the learning step activity.**
NOTE: Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.

NOTE: Reiterate the Performance Enhancement Component(s) that can be utilized to accomplish the intended learning outcome(s).

ELO C - LSA 3. Learning Step / Activity ELO C - LSA 3. Maintain an M4 carbine.

Method of Instruction: Practical Exercise (Hands-On/Written)

Mode of Delivery: Resident Instruction

Instr Type (I:S Ratio): Military - NON-ICH (1:50)(DS)

Time of Instruction: 1 hr

Media Type: Actual Equipment / Practical Exercise

Other Media: Unassigned

Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

INSTRUCTOR NOTE: Ensure all Trainees perform clearing procedures before moving to the weapons cleaning area.

Have Trainees wipe down the outside of weapons and run swabs with CLP through the barrels.

Check on Learning: Conduct a check on learning by asking questions, soliciting answers from Students and correcting misunderstandings.

Review Summary: **NOTE: Repeat the terminal learning objective of the lesson and summarize the learning step activity (Maintain an M4 Carbine).**

NOTE: Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.

CHECK ON LEARNING (ELO C): Conduct a check on learning by asking questions, soliciting answers from Students and correcting misunderstandings.

REVIEW SUMMARY(ELO C): **NOTE: Repeat the terminal learning objective of the lesson and summarize the learning step activity.**

NOTE: Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.

NOTE: Reiterate the Performance Enhancement Component(s) that can be utilized to accomplish the intended learning outcome(s).

SECTION IV. SUMMARY

Method of Instruction:	Discussion (Small or Large Group)
Mode of Delivery:	Resident Instruction
Instr Type(I:S Ratio):	Military - NON-ICH (1:50) (DS)
Time of Instruction:	5 mins

Check on Learning

Conduct a check on learning by asking questions, soliciting answers from Trainees, and correcting misunderstandings.

Review/ Summary

NOTE: Repeat the terminal learning objective of the lesson and summarize the learning step activity.

NOTE: Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.

NOTE: Reiterate the Performance Enhancement Component(s) that can be utilized to accomplish the intended learning outcome(s).

SECTION V. STUDENT EVALUATION

Testing Requirements

NOTE: Describe how the student must demonstrate accomplishment of the TLO. Refer student to the Individual Student Assessment Plan (ISAP).

Feedback Requirements

NOTE: Feedback is essential to effective learning. Schedule and provide feedback on the evaluation and any information to help answer students' questions about the test. Provide remedial training as needed.

Appendix A - Viewgraph Masters

**Confirm BUIS Zero (BCT RM Pd 4)
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Sequence	Media Name	Media Type
None		

Appendix B - Assessment Statement and Assessment Plan

Assessment Statement: None.

Assessment Plan: None.

Appendix C - Practical Exercises and Solutions

PRACTICAL EXERCISE(S)/SOLUTION(S) FOR LESSON 071-BT071044 Version 5.02 ©

Appendix D - Student Handouts

**Confirm BUIS Zero (BCT RM Pd 4)
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Sequence	Media Name	Media Type
None		