

Operate the Multiple Integrated Laser Engagement System (MILES)

CHANGE SHEET 1

1. Synopsis. This change sheet corrects minor administrative errors in the T225, Operate the Multiple Integrated Laser Engagement System (MILES) Training Support Package.

2. Pen and ink changes: none.

3. Page change(s): Remove old pages and insert revised page(s) as indicated.

Remove Pages

1 thru 9

Insert Pages

1 thru 9

4. Additional changes that need explaining: none.

5. File this sheet in front of the TSP for reference purposes.

6. Approval of change sheet.

Name/Signature	Rank	Position	Date
Billy R. Williams	GS-9	Training Specialist	
Victor A. LeGloahec	SGM	Chief, PLDC	
Marion Lemon	SGM	Chief, CDDD	

TRAINING SUPPORT PACKAGE (TSP)

TSP Number / Title	T225 / OPERATE THE MULTIPLE INTEGRATED LASER ENGAGEMENT SYSTEM (MILES)
Effective Date	07 Jan 2003
Supersedes TSP(s) / Lesson(s)	M204, Introduction to Multiple Integrated Laser Engagement System (MILES), Sep 99.
TSP Users	600-PLDC, Primary Leadership Development Course
Proponent	The proponent for this document is the Sergeants Major Academy.
Improvement Comments	<p>Users are invited to send comments and suggested improvements on DA Form 2028, <i>Recommended Changes to Publications and Blank Forms</i>. Completed forms, or equivalent response, will be mailed or attached to electronic e-mail and transmitted to:</p> <p style="text-align: center;">COMDT USASMA ATTN ATSS DCP BLDG 11291 BIGGS FIELD FORT BLISS TX 79918-8002</p> <p style="text-align: center;">Telephone (Comm) (915) 568-8875 Telephone (DSN) 978-8875 E-mail: atss-dcd@bliss.army.mil</p>
Security Clearance / Access	Unclassified
Foreign Disclosure Restrictions	FD5. This product/publication has been reviewed by the product developers in coordination with the USASMA foreign disclosure authority. This product is releasable to students from all requesting foreign countries without restrictions.

PREFACE

Purpose

This Training Support Package provides the instructor with a standardized lesson plan for presenting instruction for:

Task Number**Task Title****Individual**

071-990-0010

Conduct Preparatory Marksmanship Training

**This TSP
Contains**

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**Operate The Multiple Integrated Laser Engagement System (MILES)
T225 / Version 1
01 Oct 2003**

SECTION I. ADMINISTRATIVE DATA

All Courses Including This Lesson	<u>Course Number</u>	<u>Version</u>	<u>Course Title</u>
	600-PLDC	1	Primary Leadership Development Course
Task(s) Taught(*) or Supported	<u>Task Number</u>	<u>Task Title</u>	
	071-990-0010 (*)	<u>INDIVIDUAL</u> Conduct Preparatory Marksmanship Training	
Reinforced Task(s)	<u>Task Number</u>	<u>Task Title</u>	
	None		
Academic Hours	The academic hours required to teach this lesson are as follows:		
		<u>Resident</u> <u>Hours/Methods</u>	
		1 hr 5 mins / Conference / Discussion	
		45 mins / Practical Exercise (Performance)	
	Test	0 hrs	
Test Review	0 hrs		
	Total Hours:	2 hrs	
Test Lesson Number		<u>Hours</u>	<u>Lesson No.</u>
	Testing (to include test review)	_____	N/A _____
Prerequisite Lesson(s)	<u>Lesson Number</u>	<u>Lesson Title</u>	
	None		
Clearance Access	Security Level: Unclassified Requirements: There are no clearance or access requirements for the lesson.		
Foreign Disclosure Restrictions	FD5. This product/publication has been reviewed by the product developers in coordination with the USASMA foreign disclosure authority. This product is releasable to students from all requesting foreign countries without restrictions.		

References

<u>Number</u>	<u>Title</u>	<u>Date</u>	<u>Additional Information</u>
TM 9-1265-211-10	OPERATOR'S MANUAL, FOR MULTIPLE INTEGRATED LASER ENGAGEMENT SYSTEM (MILES) SIMULATOR SYSTEM, FIRING, LASER: M89 (NSN 1265-01-236-6725) FOR M16A1/M16A2 RIFLE AND SIMULATOR	28 Feb 1989	

Student Study Assignments

Before class--

- Read SH-1 and SH-2.

During class--

- Participate in the classroom discussion and practical exercise during the STX.

After class--

- Turn in all recoverable material.

Instructor Requirements

1:8, SSG, PLDC graduate, ITC and SGITC qualified.

Additional Support Personnel Requirements

<u>Name</u>	<u>Stu Ratio</u>	<u>Qty</u>	<u>Man Hours</u>
None			

Equipment Required for Instruction

<u>Id Name</u>	<u>Stu Ratio</u>	<u>Instr Ratio</u>	<u>Spt</u>	<u>Qty</u>	<u>Exp</u>
1005-00-073-9421 RIFLE, 5.56 MILLIMETER	1:1	1:2	No	0	No
1005-00-118-6192 FIRING ATTACHMENT, BLANK AMMUNITI	1:1	1:2	No	20	Yes
1005-00-140-3515 FIRING ATTACHMENT, BLANK AMMUNITI	1:80	1:2	No	0	Yes
1005-00-264-8261 MAGAZINE 30RD AMMO	3:1	1:2	No	0	No
1005-00-710-5599 MOUNT, TRIPOD, MACHINE GUN	1:8	1:2	No	0	No
1005-01-424-2999 CLEANING KIT, GUN	1:1	1:2	No	0	Yes
1005-605-7710 M60	1:8	1:2	No	0	No
6515-00-137-6345 PLUG, EAR	1:1	1:2	No	0	Yes
6730-00-577-4813 SCREEN, PROJECTION	1:16	1:2	No	0	No

6730-00-P53-8147 Projector, Overhead	1:16	1:2	No	0	No
7110-00-132-6651 CHALKBOARD	1:16	1:2	No	0	Yes
7520-01-424-4867 EASEL, DISPLAY AND TRAINING	1:16	1:2	No	0	Yes
7530-00-619-8880 PAD, WRITING PAPER	1:16	1:2	No	0	Yes
8415-01-110-9981 BAND, HELMET, CAMOUFLAGE	1:1	1:2	No	0	Yes
8415-01-303-8945 COVER, HELMET, CAMOUFLAGE PATTERN	1:1	1:2	No	0	No
8465-00-001-6471 SUSPENDERS, INDIVIDUAL EQUIPMENT	1:1	1:2	No	0	No
8465-00-001-6482 CASE, SMALL ARMS AMMUNITION	2:1	1:2	No	0	No
8465-00-165-6838 CUP, WATER CANTEEN	2:1	1:2	No	0	No
8465-00-860-0256 COVER, WATER CANTEEN	2:1	1:2	No	0	No
8465-00-935-6814 CASE, FIELD FIRST AID DRESSING-UN	1:1	1:2	No	0	No
8465-01-115-0026 CANTEEN, WATER	2:1	1:2	No	0	No
8465-01-120-0675 BELT INDIVIDUAL EQUIPMENT: WEBBING	1:1	1:2	No	0	No
8470-01-092-7435 CHIN STRAP	1:1	1:2	No	0	No
8470-01-092-7528 HELMET, GROUND TROOPS'-PARACHUTIS	1:1	1:2	No	0	No
8470-01-442-1429 HEADBAND, GROUND TROOPS'-PARACHUT	1:1	1:2	No	0	Yes
*BA 300 9 Volt Battery	3:1	1:2	No	0	No
*DVC 07-56/1 M16A1 MILES Rifle Kit (20 Indiv Sets)	1:20	1:2	No	0	No
*DVC 07-56-2 M60 Transmitter (MILES)	1:8	1:2	No	0	No
*DVC 56-9 Control Gun (MILES)	1:8	1:2	No	0	No

* Before Id indicates a TADSS

Materials Required

Instructor Materials:

- TM 9-1265-211-10 (SH-2).

Student Materials:

- Student Handout 1, Advance Sheet.
- Student Handout 2, Extract from TM 9-1265-211-10.

**Classroom,
Training Area,
and Range
Requirements**

 BIVOUAC AREA
 CLASSROOM (40X40 PER 16 STUDENTS)

**Ammunition
Requirements**

<u>Id</u>	<u>Name</u>	<u>Exp</u>	<u>Stu Ratio</u>	<u>Instr Ratio</u>	<u>Spt Qty</u>
A080 -	CTG 5.56MM BLANK M200 F/RIFLE M16A1/M16A2	Yes	1:1	1:2	0

**Instructional
Guidance**

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

NOTE: Conduct this lesson at the beginning of the STX. Students must have weapons and earplugs for the sight alignment portion of the instruction.

Before class--

- Read and study all TSP material and be ready to conduct the class.
- This TSP has questions throughout to check on learning or generate discussion among the group members. You may add any questions you deem necessary to bring a point across to the group.
- You must know the information in this TSP well enough to teach from it.
- This TSP presents references to allow you to inform your students where they would look in the reference to follow your instruction.
- Instructor: Read all TSP material.

During class--

- Conduct the class IAW this TSP.

After class--

- Report any lesson discrepancies to the Senior Instructor.
 - Conduct an after action review for the lesson.
 - Collect all recovery materials.
-

**Proponent
Lesson Plan
Approvals**

<u>Name</u>	<u>Rank</u>	<u>Position</u>	<u>Date</u>
/s/Benjamin M. Salcido /t/Salcido, Benjamin M.	GS-09	Training Specialist	11 July 2003
/s/Brian H. Lawson /t/Barnes, Ronnie G.	MSG	Chief, PLDC	20 July 2003
/s/Brian H. Lawson /t/Lawson, Brian H.	SGM	Chief, NCOES	20 July 2003
/s/Albert J. Mays /t/Mays, Albert J.	SGM	Chief, CDDD	21 July 2003

SECTION II. INTRODUCTION

Method of Instruction: <u>Conference / Discussion</u>
Technique of Delivery: <u>Small Group Instruction (SGI)</u>
Instructor to Student Ratio is: <u>1:8</u>
Time of Instruction: <u>5 mins</u>
Media: <u>None</u>

Motivator

In the past, the most effective training for combat was the experience gained in combat itself. It was deadly, costly, and a soldier's first mistake often was his last. Sometimes, to add realism to training, the Army uses live ammunition. The use of live ammunition is dangerous, and it does not add the realism desired because the trainee knows the other guy isn't trying to hit him. Multiple Integrated Laser Engagement System (MILES) adds realism to combat training. With MILES, the other guy is trying to hit you; he may even do it. But, you'll get another try at him, and another, and another, until you are proficient and as ready for actual combat as modern technology can make you. During this lesson, we will place the MILES into operation.

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:	Operate the Multiple Integrated Laser Engagement System (MILES).
Conditions:	In a tactical environment given an M16A1/A2, a MILES infantry system, and a Small Arms Alignment Fixture (SAAF) and SH-2.
Standards:	Operated the Multiple Integrated Laser Engagement System (MILES) by-- <ul style="list-style-type: none"> • Adjusting sights. • Engaging a target at 100 meters. IAW TM 9-1265-211-10 (SH-2).

Safety Requirements

Students must wear hearing protection when firing blank ammunition and enforce the minimum engagement range of six meters. Give students a safety briefing and include the warning statements from the inside cover of TM 9-1265-211-10 (see SH-2-2).

Risk Assessment Level

Low. Conduct a risk assessment at the local level based on conditions and use of equipment. Maintain a copy of the assessment on file.

Environmental Considerations

NOTE: It is the responsibility of all soldiers and DA civilians to protect the environment from damage.

None

Evaluation

There is no evaluation for this lesson.

Instructional Lead-In

Operating the Multiple Integrated Laser Engagement System (MILES) is a part of your training that helps prepare you for combat. MILES provides the Army with realistic training that places soldiers in force on force combat situations that allows for casualties during training. It aids warrior leaders in developing their warrior ethos of becoming a trained and proficient warrior leader able to adapt to the many situations that happen on the battle field to loss of soldiers. It helps tune the warrior leader's skill to deploy, engage and destroy the enemy.
