

Operate the Multiple Integrated Laser Engagement System (MILES 2000)

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	
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TRAINING SUPPORT PACKAGE (TSP)

TSP Number / Title	T225 (2) OPERATE THE MULTIPLE INTEGRATED LASER ENGAGEMENT SYSTEM (MILES 2000)
Effective Date	01 Oct 2003
Supersedes TSP(s) / Lesson(s)	None
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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INTRODUCTION TO THE MULTIPLE LASER ENGAGEMENT SYSTEM (MILES 2000)
T225 (2) / Version 2
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>	
	<u>INDIVIDUAL</u>	071-990-0010 (*) 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 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 23-6920-10/2	Miles 2000 for ASAAF	27 May 2002	
TM 6920-10/4	Miles 2000 for CD/TDTD	27 May 2002	
TM 6920-10/7	Miles 2000 for M16A2	27 May 2002	

Student Study Assignments

Before class--

- Read SH-1, SH-2, and SH-3.

During class--

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

After class--

- Turn in all recoverable material.

Instructor Requirements

1:8; SSG, PLDC graduate; ITC, SGITC qualified, and attend MILES 2000 training.

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 ADAPTER BLANK, M16A1 / A2	2:1	1:2	No	0	Yes
*1005-00-140-3515 Blank Adaptor	1:40	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
*1265-01-079-5264 Small Army Alignment Fixture (SAAF)	1:16	1:2	No	0	No
*1265-01-092-0891 CONTROL GUN Q/GREEN KEY	1:16	1:2	No	0	No
*1265-01-192-7665 MILES Laser Transmitter for M60/M240B MG	1:8	1:2	No	0	No
*1265-01-236-6725	1:1	1:2	No	0	No

MILES Simulator System Firing Laser M89					
*6135-00-900-2139 Battery 9 volt, BA-3090	3:1	1:2	No	0	No
6515-00-137-6345 PLUG, EAR	1:80	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

* Before Id indicates a TADSS

**Materials
Required**

Instructor Materials:

- TSP.
- VGTs.
- PE-1.
- Controller Device/training Data Transfer Device (CD/TDTD).

Student Materials:

- Student Handout 1, Advance Sheet.
- Student Handout 2, extract from TM 6920-10/7.
- Student Handout 3, extract from TM 6920-10/2.
- One MILES 2000 infantry system per student.
- One Automatic Small Arms Alignment Fixture (ASAAF) per 8 students.
- One individual M1A1/A2 weapon with blank adapter per student.

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

CLASSROOM (40X40 PER 16 STUDENTS)
FIELD TRAINING SITE 1 KM X 1 KM

**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	2:1	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.

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.
-

**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	16 Jul 2003
/s/Brian H. Lawson /t/Barnes, Ronnie G.	MSG	Chief, PLDC	17 Jul 2003
/s/Brian H. Lawson /t/Lawson, Brian H.	SGM	Chief, NCOES	17 Jul 2003
/s/Albert J. Mays /t/Mays, Albert J.	SGM	Chief, CDDD	18 Jul 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. The Multiple Integrated Laser Engagement System (MILES 2000) adds realism to combat training. With MILES 2000, the other guy is trying to hit you; he may even do it. But, you'll get another try at him, 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 2000 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 2000).
Conditions:	In a classroom and in a tactical environment given a MILES 2000 infantry system TM 6920-10/7 (SH-2) and TM 6920-10/2 (SH-3).
Standards:	Operated the Multiple Integrated Laser Engagement System (MILES 2000) by: <ul style="list-style-type: none"> • Conducting preoperational inspection of the MILES 2000. • Aligning the M16A1/A2 using the Automatic Small Arms Alignment Fixture (ASAAF). IAW TM 6920-10/7 (SH-2) and TM 6920-10/2 (SH-3).

Safety Requirements

- Conduct a risk assessment IAW the NCOA's SOP.
 - All students must wear hearing protection.
 - Enforce the minimum engagement range of six meters.
-

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

None

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.
