

FORT DEVENS, MA



Training Support Center Catalog

and

Training Aids, Devices, Simulators & Simulations (TADSS) MANUAL

as of 1 December 2021

This manual is provided to the customers of the
Training Support Center
12 Feinburg Street, Bldg 3574
Fort Devens, MA 01434-5605

TSC Email
usarmy.devens.93-sig-bde.list.tasc@army.mil

TSC Manager
978-615-6060

Material Handler
978-615-6061

TSC Fax number
978-615-6259

Find us on the web at:
<https://home.army.mil/devens/index.php/Misson%20and%20Vision/Garrison/DPTMS>

See video of some of our most commonly used devices:
<https://www.youtube.com/watch?v=QstVm-OsVuo&feature=youtu.be>

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INTRODUCTION

1-1. Purpose

a. This manual provides procedures, responsibilities, and guidance for obtaining and using Training Aids, Devices, Simulators, and Simulations (TADSS) and Graphic Training Aids (GTA) from the Fort Devens TSC.

b. The catalog is published as an aid in the identification and description of training devices that the Training Aids Support Center (TSC), Fort Devens, MA currently has on hand to support units in their training needs. These training devices are acquired and fielded by the U.S. Army Simulation, Training, Instrumentation Command (STRICOM) and the Army National Guard.

c. Many of the training devices depicted here have been produced in limited quantities to meet specific training requirements and can be generally distributed to requesting units and individuals. For information concerning availability, supply, and maintenance support, contacts us at the TSC with your questions.

1-2. Scope

a. This manual is applicable to all employees and visitors of the TSC. Any personnel or activities, which request and use training devices, are required to adopt and conform to these procedures.

b. This manual is based on Army regulations, FORSCOM directives, local conditions and local requirements.

c. In the event any information in this manual should be in conflict with Army regulations or standards or FORSCOM directives, the latter will govern.

1-3. Mission

a. Provide one-stop TSC services to commanders and staffs of Army Active Components, Reserve Components, ROTC and other authorized units/activities (including other US Government and civilian activities, other US military services and foreign military support) located at Fort Devens and within the New England boundaries as defined in AR 350-52. Plan, direct and supervise activities of the TSC to insure timely and effective response to supported units/activities. The TSC will set up group tours when requested from account holders and other activities in order to enhance communication for training needs.

b. Loan of Training Devices: Warehouse, issue and receive operations for user- operated training aids and devices.

PROCEDURES

2-1. Operating Hours

The TSC operating hours are 0730-1600 hrs Monday through Friday. Other hours or weekends are on a case by case basis with the approval of the DPTMS Director. Requests to have the TSC open other than normal operating hours must be submitted at least 90 days before the dates a customer is requesting the change to be made.

2-2. Establishing Accounts

a. Each unit serviced by TSC must have a valid account established. All organizations down to company level may establish an account by submitting a valid DA Form 1687 Notice of Delegation of Authority (version November 2015), and Commanders Assumption of Command memorandum. The DA Form 1687 may be digitally or wet signed. It can then be scanned and sent by email to usarmy.devens.93-sig-bde.list.tasc@army.mil; unit will be informed of account number when assigned. Unit must enter account number on each request form order submitted to TSC.

b. DA Form 1687 must be renewed every year or upon change of responsible officer.

2-3. Changing or Renewing an Account

a. When an outgoing commander or account holder is replaced, the outgoing and incoming commander or account holder will check with the TSC for any TADSS in their possession and special instructions.

b. Conduct joint 100% inventory of all TSC equipment on hand receipt at the commander or account holder location IAW DA PAM 710-2-1.

c. The incoming commander or account holder will submit a copy of appointment orders and a new DA Form 1687 for authorized persons on the account.

d. Discrepancies are reported on relief documents IAW AR 735-5 and an updated Training Support-Material Army-wide Tracking System (TS-MATS) Hand Receipt Issue document (Used in LIEU of DA Form 2062 and/or DA Form 3161) is signed.

2-4. Requesting Training Devices

a. All requests for training devices are to be submitted on the TSC Request Form, either in person, email or fax. Email all request forms to usarmy.devens.93-sig-bde.list.tasc@army.mil. A copy of the TSC request form can be found on page 93 of this manual.

b. Requests should be submitted **no later than** four weeks prior to the date the items are needed, or at the earliest possible date to avoid conflict with the availability of the request equipment. Every effort will be made to provide requested equipment, items are issued on a first-come, first-served basis. Walk-ins are highly discouraged and may not be serviced based on the workload of TSC staff.

c. Requests received will be checked for accuracy. The request will also be checked against the DA Form 1687 on file to insure the account is up to date, has no outstanding delinquent turn-ins, and the individual that signed the request is authorized to do so. The TSC will then determine availability of requested equipment. If requested equipment is available, and dates and times requested for pickup or turn-in can be accommodated, the request is approved and the unit will be notified. If dates and times cannot be accommodated, the unit representative will be contacted to arrange an acceptable date and time for pickup and turn-in.

d. Certain training devices have “**TRAINING REQUIRED (Contact TSC staff)**” under their title. Depending on the schedule/work load of the TSC staff, units may have to get that training on a date before their scheduled pickup. **You must contact the TSC staff to make arrangements for the required training, do not assume you will be trained when you draw the equipment.**

e. Unless special circumstances exist due to training mission requirements, the loan of devices will not exceed 30 days.

f. The Training device catalog is arranged in numerical device number sequence as published in DA PAM 350-9 / TRADOC PAM 350-9 to include fabricated and local devices. If a unit finds a training device listed in DA PAM 350-9 or TRADOC PAM 350-9 that is not stocked at the TSC and the unit feels it would be beneficial to their training, please contact the TSC and we will make every effort to get you that training device (this does not pertain to training simulators i.e. Call for Fire, Engagement Skills Trainer, Games for Training, etc)

Basic Series Number	Type of Equipment
01	Aviation
03	Chemical
05	Engineer
06	Field Artillery
07	Infantry
08	Medical
09	Ordnance
10	Quartermaster
11	Signal
17	Armor
19	Military Police
20	General
21	Individual
23	Weapons
30	Military Intelligence/Opposing Forces
44	Air Defense Artillery
55	Transportation
57	Airborne
71	Combined Arms
99	Miscellaneous

2-5. Issue of Training Devices

a. When the scheduled unit arrives at the TSC warehouse, TSC personnel verify that unit has a soldier that has completed the necessary certification courses that are required for certain TADSS. The unit's signature card will be checked to verify that the individual who will sign for the equipment is authorized to do so. The requested equipment is then jointly inventoried by the TSC personnel and the authorized unit representative. All TADSS equipment will be issued on Training Support Materiel Army wide Tracking System (TS-MATS) hand receipt, in lieu of DA Form 2062. The issuing document(s) are signed and dated by the TSC personnel. The authorized unit representative will sign, print name, rank, email address and telephone number. The Original is retained and placed in a turn-in suspense file by the TSC personnel and a copy is provided to the authorized unit representative upon completion of issue.

b. Additional issue

(1) Customer will sign for all devices and components being issued prior to loading. Customer must have the proper type of vehicle to transport and secure the training devices so that the transport will not incur damages to government property.

(2) When transporting propane or oxygen, the oxygen and propane will not be transported with bottles lying down or secured together, the oxygen and propane bottles will be separated to prevent accidental explosion, car batteries will be transported separately from oxygen or propane bottles.

2-6. Turn-in of Training Devices

a. **All items should be returned to the TSC in the condition the customer would want that item issued to them.** TSC personnel and authorized unit representative conduct a joint inventory of all equipment that was issued. Components will be given a visual inspection for any damage and on-the-spot function check for serviceability. All malfunctioning and damaged components are tagged and set aside for repair. Upon completion of turn-in, TSC personnel will sign and print name, and authorized unit representative will sign and print name, rank, and telephone number on the turn-in documents. The TSC warehouse retains the original, and a copy is provided to the authorized unit representative upon completion of the turn-in. If there are damaged and/or missing items, they will be listed on a DA Form 3161. The DA Form 3161 will be signed by the authorized unit representative accepting responsibility for the damaged and/or missing equipment. The unit's account will be frozen at this time. The unit representative has 30 days to clear any discrepancies. If after 30 days, the unit has not cleared the discrepancies, the unit's account will be closed and the unit commander will be notified of the closure and the reason why.

b. All devices will be returned in the original storage container. Devices will be transported and secured in a vehicle without stacking that could cause damage. Devices will be cleaned prior to turn in; **dirty, damp or rusty devices will not be accepted.** Customers are responsible for tagging malfunctioning devices for the TSC staff.

2-7. Damaged and/or Lost Items

a. Damaged items other than fair, wear, and tear will be accompanied by a DD Form 362, Statement of Charges/Cash Collection or DD Form 200, Financial Liability Investigation of Property

Loss. Devices with minor damages will have a memorandum signed by the commander explaining the circumstances of how the equipment was damaged. The damage memorandum will contain the following statement, "I have reviewed the circumstances surrounding the TSC equipment damaged by my unit and do not suspect any negligence or willful misconduct."

b. Lost items must be annotated by either a DD Form 362, Statement of Charges/Cash Collection, DD Form 200, Financial Liability Investigation of Property Loss, or a loss memorandum signed by the commander explaining the circumstances of how the equipment was lost. The loss memorandum will contain the following statement, "I have reviewed the circumstances surrounding the TSC equipment lost by my unit and do not suspect any negligence or willful misconduct."

c. The unit will be given a suspense date of 30 days after the turn-in to complete the appropriate adjustment document(s) prepared IAW AR 735-5 or appropriate memorandum sign by the unit commander.

2-8. Accounts Frozen or Closed

- a. DA Form 1687 Signature Card outdated
- b. Account delinquent for equipment past due for turn-in
- c. Documentation needed for damaged/lost items
- d. Dirty equipment
- e. Upon unit inactivation (Automatic closure)

In order to unfreeze an account:

- a. A new DA Form 1687 must be completed.
- b. Loaned TSC equipment must be returned.
- c. Property accountability documents must be completed.
- d. Equipment must be cleaned

2-9. Graphic Training Aids and Maps

a. The TSC maintains a large selection of Graphic Training Aids (GTA) in stock for issue. A complete listing can be found in Appendix B. If a unit feels that a particular GTA should be stocked at the TSC, and is not, please let us know and we will take the suggestion under consideration. Many GTAs have been digitized. Customers may download GTAs and reproduce them as required from the Central Army Registry (CAR.)

b. Finding GTAs:

- 1) Call/email TSC to see if GTA is in stock
- 2) If not in stock, visit <https://www.train.army.mil/legacy/index.html> on the internet
- 3) Sign in to the Central Army Registry (CAC card required)
- 4) Select "Product Type:" and type "GTA"
- 5) Click on "GTA – Graphic Training Aids"
- 6) You can now search for all available GTAs

c. Requesting GTAs and Maps:

- 1) No account is needed to request GTAs or Maps.

- 2) GTAs are expendable but controlled by limiting quantities being issued to each customer.
- 3) Large orders can be mailed directly to unit.
- 4) Send TSC request form to usarmy.devens.93-sig-bde.list.tasc@army.mil; or by fax to 978-796-2281

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TRAINING DEVICES

03 CHEMICAL

L 03-01, JSLIST (Joint Service Lightweight Integrated Suit Technology)



Purpose of Trainer:

Enables units to practice donning chemical protective ensemble items at designated Mission-Oriented Protective Posture (MOPP) levels.

Functional Description:

JSLIST is a two-piece chemical protective garment worn over the standard duty uniform or over personal underwear.

Size	Quantity on hand
Medium	5
Large	10
X-Large	5

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05 ENGINEER

05-22, M7 Dispensing Set, Munition, Network Command (SPIDER)



Purpose of Trainer:

Enables system training without live fire. It is comprised of six XM-92 Miniature Grenade Training Simulator (MGTS) Kits and one Munition Control Unit Trainer (MCUT) Kit.

T 05-041, Placed Training Mine (PTM) Kit



Purpose of Trainer:

Kit is used to demonstrate and practice arming and disarming procedures of mines and booby traps. Mines produce an audible sound when detonated. The kit is packaged in a durable, man portable carrying case with a foam liner.

Components of PTM kit

Antitank Mines	Antipersonnel Mines	Antihandling Devices	Fuses	Wrenches	Miscellaneous Items
M15	M16A2	M1	M603	M20	M1 Activator
M19	M14	M1A1	M605	M22	M2 Activator
M21	M18A1	M3	M607	M25	M120 Booster
		MS		M26	Spool of trip wire
		M142			

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T 05-050, Unexploded (UXO) Recognition Boards



Purpose of Trainer:

Two dimensional plastic replica training board set. The recognition boards will show actual dimensions of the ordnance items, enhancing the Soldier's ability to recognize UXO hazards. 7 board set.

T 05-051, Mine Recognition Boards



Purpose of Trainer:

Two dimensional plastic replica training board set. The recognition boards will show actual dimensions of mines, enhancing the Soldier's ability to recognize mines. 4 board set.

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T 05-060, Mine, Claymore Kit



Purpose of Trainer:

Used for emplacement training of the M18A1 Claymore Mine

T 05-062, Improvised Explosive Device (IED) Kit



Purpose of Trainer:

Kit contains different types of Iraqi training munitions. Instructions on how to make and employ IEDs in training are available in this kit. The intent is that while training, a unit will be exposed to a wide variety of IEDs. The munitions in the kit would be interchangeable to reflect the weapon of choice used in the area of operation.

5-103/1, APOB Upgraded, Anti-Personnel Obstacle Breaching System



**DVC 05-103/1 APOB UPGRADE, ANTI-PERSONNEL
OBSTACLE BREACHING SYSTEM**

Purpose of Trainer:

An explosive line charge system that allows safe breaching through complex antipersonnel obstacles. Is used to conduct deliberate or hasty breaches through enemy antipersonnel minefields and multi-strand wire obstacles. It is light enough to be carried by two soldiers with backpacks and can be deployed within 30 to 120 seconds. The APOBS is made up of a front and rear backpack subsystem containing grenade-filled, line-charge segments; a detonation cord to ignite the grenades; a drogue parachute that provides stability during flight; and two quick connectors. Additionally, a rocket-motor assembly provides Soldiers the option to initiate the APOBS in delay or command modes.

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05-104/1, Selectable Lightweight Attack Munitions (SLAM) M320E1



Purpose of Trainer:

The purpose of this training device is to train all Soldiers prior to live fire of the M4E1. The United States Engineer School, Ft. Leonard Wood, MO has determined that the audio and visual feedback provided by the M320E1 SLAM trainer is adequate, realistic training for Soldiers. This feedback will allow Leaders and operators to train in a safer environment and even reduce the amount of live fires per year that will be needed to fill the STRAC requirement. The current STRAC requirement is 1 live M4E1 SLAM per year per light Engineer Squad to 1 per Engineer Company since the trainer is so advanced/realistic.

Functional Description:

The M320E1 SLAM Improved Functional Trainer (SIFT) is composed of all the safety features, controls, interfaces and algorithms of a fully functional tactical M4E1 SLAM. The M320E1 SIFT does not have warhead explosives and explosive train, the Safe and Arming (S&A) device and the Lithium Reserve battery. The SIFT uses a similar housing and external operator interfaces as the M4E1 SLAM munition. It is as rugged as the M4E1 and is designed for classroom training. The SIFT contains outputs which can be used to power and control a Multiple Integrated Laser Engagement System (MILES) or Simulated Area Weapons Effects (SAWE) module. It incorporates a 9-volt commercial battery to power itself and both visible and audible indicators used as feedback when an error in setting the trainer is made as well as when it fires. These indicators can be turned off during the training session and turned on afterward to report if an error was made during the training session as well as the type of error. A provision is made to allow re-insertion of the SMEP and safety pin allowing multiple uses.

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05-105, AN/PSS-14 Sweep Monitoring System (SMS)



Purpose of Trainer:

The AN/PSS-14 Training Set includes the Sweep Monitoring System (SMS) and the Training Target Set (TTS) and is used to train personnel assigned to a mine detection mission. The AN/PSS-14 Training Set supports New Equipment Training (NET), institutional training, and unit sustainment training. The SMS is a camera-based training tool that assists student-operators in acquiring and maintaining the skills required to properly employ the AN/PSS-14 Mine Detecting Set. The SMS provides real-time audio and visual feedback to the instructor and operator regarding lane coverage, sweep speed, and sensor head height.

Functional Description:

The SMS consists of a ruggedized base station computer, a tripod with two tracking cameras and speaker, and an ultra-lightweight optical target mounted atop the AN/PSS-14 Mine Detecting Set sensor head. Operator performance is displayed in real-time on the computer's display, and performance errors are announced in real-time through the speaker. Operator performance data is also stored for later review. The SMS is configured for a 1.5m x 15m lane, replicating the combat mission scenario selected for the countermine training, mounted atop the AN/PSS-14 sensor head.

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05-105/1, AN/PSS-14 Training Mine Set



Purpose of Trainer:

The AN/PSS-14 Training Targets are for use as training devices for training any Military Occupational Specialty (MOS) that is currently required to operate the AN/PSS-14 or similar mine detector, including, but not limited to, Combat Engineers, Infantry, Armor/Cavalry, Special Operations Forces and appropriate members of other services with a mine detection mission. The training targets are used in the conduct of new equipment training, institutional training, and unit sustainment training. Though developed as the training device for the Handheld Standoff Mine Detection System (HSTAMIDS), the training targets are also suitable for use in training of all hand held mine detector wands such as the AN/PSS-12.

Functional Description:

The training targets are selected and arrayed in a manner replicating the combat mission scenario selected for the countermine training.

L 05-107/1-M80, Pressure Sensitive Landmine/Bouncing Betty

TRAINING REQUIRED (Contact TSC staff)



Purpose of Trainer:

A non-pyrotechnic pressure sensitive landmine trainer that can support all training involving landmine awareness, mine hazards, training on deployment/retrieval operations and landmine reaction during combat operations.

Functional Description:

Concealed below ground, is detonated when 20 pounds of pressure is applied. Audible and visual effects are intense and add to the realism in a live training environment. Easily reloadable.

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L 05-108, Medium Improvised Explosive Device (IED) T120

TRAINING REQUIRED (Contact TSC staff)



Purpose of Trainer:

To provide the soldier with a simulated OPFOR IED training device in a FTX setting. Remote controlled training device. Can be detonated from a 1000 meters line of site.

Functional Description:

The T120FT is a large IED field training device that can be powered either by compressed air, nitrogen or CO2 gas. Multiple firing modes are available with its internal controller, 18 VDC power source and selector switch. With the selector in the DOWN or Normal position, a voltage between 12 and 24V DC will fire the unit. With the selector in the MIDDLE position, the unit will fire when an external voltage between 1.5 and 24 volts DC applied. With the selector in the UP position, the T120FT can be detonated simply by shorting (making a contact between) the two binding posts by any conductive means such as a contact switch. Both the MIDDLE and UP positions utilize the internal power source to detonate the unit. The Down or Normal position turns the internal power source off.

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L 05-109/XM-2A, .50 Caliber Simulator

TRAINING REQUIRED (Contact TSC staff)



Purpose of Trainer:

The XM-2A unit produces the sound and flash of a live machine gun for training and recognition purposes. The unit uses oxygen and propane gas from small industrial type bottles. It is very portable, easy to conceal and easy to operate. Unit can be operated by a remote control unit from a distance of 300 yards. Produces a concussive blast wave and noise in excess of 150 decibels.

<http://www.intlrepo-depo.com/simulators/xm-2a-water-proof-unit/>

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L 05-109/XM-10, Blast Simulator

TRAINING REQUIRED (Contact TSC staff)



Purpose of Trainer:

The XM-10 unit produces the sound and flash of a simulated IED or Artillery shell impact explosion for training troops how to react to a device being detonated in their area of operation. The unit uses oxygen and propane gas from small industrial type bottles. It is very portable and easy to operate. Unit can be operated by a remote control unit from a distance of 300 yards or manually with 25 foot supplied cable. Produces a concussive blast wave and noise in excess of 120 decibels.

<http://www.intlrepo-depo.com/simulators/xm-10-ied-artillery-simulators/>

<https://www.youtube.com/watch?v=vlVhZqcrpwc>

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L 05-110, Suicide Bomber Vest (SBV) with Powder **TRAINING REQUIRED (Contact TSC staff)**



Purpose of Trainer:

The Suicide Bomber Vest is an Improvised Explosive Device (IED) simulator that can realistically demonstrate the behavior and effects of an individual suicide bomber. It supports training by allowing trainers to actually wear and detonate the device in lifelike scenarios. This device provides an instantaneous, high output, realistic explosion sound with billowing smoke to complete the effect. It provides an intense audible and visual shock effect generating the maximum sense of realism and impact in a live training environment. Has four individual devices that can be removed from the vest to be used as Tripwire Training Booby-traps.

Functional Description:

The Suicide Bomber Vest can be worn directly on the body and set off without harming the wearer or surrounding observers. One pull of the activation cord and the non-pyrotechnic detonations blast outward from the wearer for visual effect. The user need only load the non-pyrotechnical smoke simulation powder into the casings around the vest, load in a 12-gram Co2 cartridge and attach to the rip cord for each simulation. Each refill creates an explosion so the vest can be configured to achieve the desired effect with one to four detonations.

L 05-1010-DEV, Shape Charge 40LBS



Purpose of Trainer:

The device is used to simulate a 40lb shape charge.

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L 05-1011-DEV, Shape Charge 15LBS



Purpose of Trainer:

The device is used to simulate a 15lb shape charge.

L 05-1012-DEV, Cratering Charge 40LBS

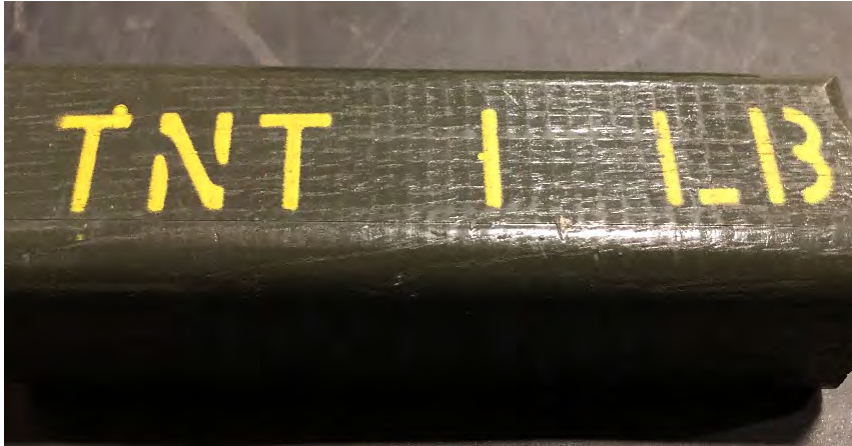


Purpose of Trainer:

The device is used to simulate a 40lb cratering charge.

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L 05-2000-DEV, TNT BLOCKS



Purpose of Trainer:
TNT Blocks

L 05-2003-DEV, Lensatic Compass (Model Mock-up)



Purpose of Trainer:
Mockup of a US Army compass given a designated point on the ground. 2 foot diameter model used to teach land navigation.

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06 FIELD ARTILLERY

06-116, M1130 105mm Inert Training Projectile

**Purpose of Trainer:**

Provides realistic training on identification, and handling of an M1130 105mm Projectile. Cannot be ballistically fired.

Functional Description:

The device is unpackaged. It has a threaded ogive that can be used to install inert fuzes appropriate for the projectile.

Physical Information:

Weight – 33.94 lbs (nominal) w/o fuze

Length – 17.96” (max) w/o fuze or hex shipping plug

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06-120, M1064 105mm Illumination Cartridge



Purpose of Trainer:

Provides realistic training on identification, packaging/un-packaging and handling of Cannon Artillery Ammunition.

Functional Description:

The device is packaged in a fiberboard container similar to the actual projectile. It contains an inert propellant charge and primer in the cartridge casing. It has a threaded ogive that can be used to install inert fuzes appropriate for the projectile.

Physical Information:

Weight – 34.06 lbs (15.45 kg)

Length – 21.63” (549.5 mm w/fuze)

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07 INFANTRY

USM-54-14-01, 9-Hole Firing Barricade



Purpose of Trainer:

Perform dry-fire drills to prepare soldiers for the firing table in Training Circular 3-20.40 (Training and Qualification-Individual Weapons). Dimensions: 72" tall x 48" wide x 4" thick. Weight: 39 lbs. Made of polyethylene.

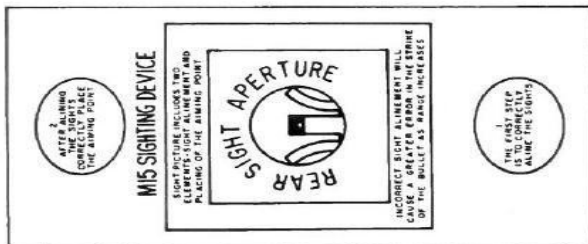
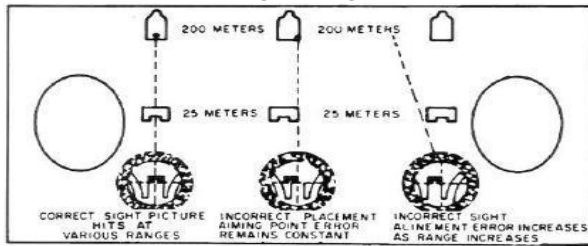
L 07-02-DEV, Paige Sighting Device



Purpose of Trainer:

Training aid that is a means of teaching the correct sight picture to a soldier using their own rifle. It allows the soldier to learn sighting with actual rifle sights and to demonstrate what they have learned to the instructor. Enables the instructor to check soldiers aim for accuracy.

07-26, M15 Sighting Device



DVC NO. 07-26

Purpose of Trainer:

To support individual task training for M16 series weapons and M4 carbine training strategies outlined in FM 3-22.09

Functional Description:

The Rifle Sighting Trainer M15 is a cardboard device used to establish correct sight alignment.

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07-55, 5.56MM Conversion Kit (Rimfire)



Purpose of Trainer:

The Conversion Kit (CK) provides a method to use .22 caliber LR, rim-fire ammunition in the M16 or M16A1 Rifle for individual training purposes. The use of .22 caliber ammunition in place of the standard military 5.56mm ammunition will result in reduced training costs and allow the use of firing ranges that cannot accommodate the higher velocity and longer range cartridges.

Functional Description:

The device consists of two major components, a magazine insert (or adapter), for .22 caliber, LR ammunition, and a bolt assembly. The magazine component is a 10-round magazine which fits into a standard 5.56mm 20- or 30-round magazine. The .22 caliber bolt assembly consists of a smoothbore barrel configured externally to the 5.56mm chamber, and internally to accept the .22 caliber LR cartridge and a bolt with a rim-fire firing pin. The device is installed in the M16 or M16A1 Rifle in place of the regular bolt carrier group, is blowback operated, is capable of firing in the semiautomatic mode only, and is limited in accuracy to 50 meters.

L 07-56, Blank Ammunition Firing Attachment: M4 Carbine Rifle



Purpose of Trainer:

The device permits firing of blank .223 caliber ammunition with the M4 carbine rifle. It will function as the weapon effect signature simulator for the M4 carbine rifle in engagement simulation systems such as the Multiple Integrated Laser Engagement System (MILES).

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L 07-57, Blank Ammunition Firing Attachment: M249 Machinegun



Purpose of Trainer:

The device permits firing of blank .223 caliber linked ammunition with the M249 Machinegun. It will function as the weapon effect signature simulator for the M249 Machinegun in engagement simulation systems such as the Multiple Integrated Laser Engagement System (MILES).

L 07-58, Blank Ammunition Firing Attachment: M240 Machinegun



Purpose of Trainer:

The device permits firing of blank 7.62mm ammunition with the M240 Machinegun. It will function as the weapon effect signature simulator for the M240 Machinegun in engagement simulation systems such as the Multiple Integrated Laser Engagement System (MILES).

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07-59, Blank Ammunition Firing Attachment: M2 Machine Gun



Purpose of Trainer:

The device permits firing of linked blank .50 caliber ammunition with the M2 machine gun. It will function as the weapon effect signature simulator for the M2 machine gun in engagement simulation systems such as the Multiple Integrated Laser Engagement System (MILES).

Functional Description:

The firing attachment consists of one muzzle restriction with orifice, three spacer rods, one support, attaching hardware and guide assembly. It allows the weapon to function by restricting the gas flow at the muzzle end of the barrel. The guide assembly is used to act as a spacer to assure proper feeding of a live round of ammunition into the feed way. The attachment is designed to fire the production improved M1A1 blank ammunition.

07-68, M287 Tracer Bullet Trainer for the M137 AT4 Anti-Tank Weapon



Purpose of Trainer:

Simulates operation and firing of the AT4 Tactical Anti-Tank Weapon. It allows the student to fire a 9mm tracer bullet at stationary and moving armor targets. The bullet has the same trajectory as the 84mm rocket that is fired by the AT4 weapon.

Functional Description:

M287 Practice Launcher is a right-shoulder fired trainer that is similar to the AT4 tactical weapon. It consists of a tube, sling, pop-up M16-type peep/post sight, transport safety, safety cocking lever, firing button, instruction decals, and bolt. A 9mm machine gun barrel is located inside the tube. Firing is accomplished by removing the bolt, placing the 9mm tracer bullet inside the bolt, inserting the bolt, removing the transport safety pin, placing the weapon on the right shoulder, releasing front and rear sights, cocking, depressing the safety, aiming and pressing the firing button. Maximum effective range is 300 meters.

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T 07-083B, M16A2 Rifle, Plastic



Purpose of Trainer:

Full-scale, three dimensional plastic replicas of the M16A2 rifle with a modified barrel. This device can be used for drill and ceremony instruction, physical training, and demonstrations.

L T 07-84, M16 Sighting Device



Purpose of Trainer:

A metal frame that attaches to the rear of the M16A1/A2 rifle carrying handle. A piece of smoked Plexiglas is inserted in the frame to allow a coach to view the Soldier's aiming point. This device slips onto the rear of the carrying handle for the M16A1/A2 rifle. When the Soldier looks through his sights, the coach, positioned alongside the Soldier, can look at the reflection on the tinted glass and view the same picture as the Soldier. This device is also known as the cheater or Belgian sight. The M16 sighting device allows coaches to insure their Soldiers are aiming correctly at the targets. Order L T 07-84R for right-handed Soldiers and L T 07-084L for left-handed Soldiers.

T 07-085, Magazine Rounds Counter

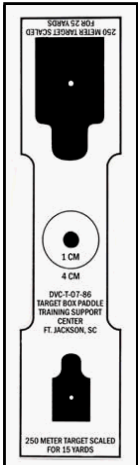


Purpose of Trainer:

A hammer shaped plastic device which has graduations from 5 to 30 for measuring ammunition in 5 round increments. This device is used for accurately measuring the number of rounds in a magazine. Use of it not only saves loaders time, but insures that each Soldier has the proper number of rounds for each exercise. The handle of the device is placed into the magazine and forced down as far as it will go into the magazine. The Soldier looks at the graduations and instantly knows whether the magazine has enough ammunition. It can also be used to ensure that a magazine functions properly before loading.

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T 07-086, Target Box Paddle



Purpose of Trainer:

A plate of Plexiglas, 12 5/8" in length, with a silhouette target (scaled for 250 meters at 25 meters and 15 yards) on each end. On the center of the handle there are 2 circles (4cm and 1cm). The smaller one is for checking the shot group size during the target box exercise and the larger circle is for the live fire exercise. Soldiers practice with this device to insure that they can find the same aiming point each time they fire. Soldiers look through the sights of an M16A1 (in a cradle) and tell their counterparts downrange in which direction they need to move the target paddle to achieve proper aiming point. When the proper aiming point is achieved the assistants mark the target board. Soldiers need to have 3 out of 3 shots within the 1cm circle to receive a go on the exercise.

T 07-087, Riddle Sight Device



Purpose of Trainer:

A silhouette target printed on a plastic strip which adheres to a small metal frame that attaches to the front sight of the M16A1 rifle. The device is used to insure that Soldiers can obtain a correct sight picture with their own weapons. The device is attached to the front sight post and then moved until the Soldier obtains the correct sight picture.

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T 07-093B, Javelin Missile Simulation (MSR)



Purpose of Trainer:

The MSR is used to familiarize the soldier with the physical characteristics of the Javelin round. It is a full-size, non-operational replica of the Javelin round in the field handling mode. The system weight and physical dimensions of each of the missile simulated rounds are the same as the tactical round +5%.

T 07-096, Carbine, M4, Plastic



Purpose of Trainer:

A plastic replica of the M-4 Carbine with the external appearance and weight of the actual weapon. This device can be used in field exercises not requiring live fire.

T 07-099, M9, Pistol, Plastic



Purpose of Trainer:

A plastic replica of the .9mm plastic pistol with the external appearance and weight of the actual weapon. This device can be used for teaching disassembly and reassembly procedures without using the real pistols.

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T 07-104, Ashley Targets Enemy/Friendly



Purpose of Trainer:

Realistic vinyl target representations of friendly, enemy, or non-combatant Soldiers and civilians. The use of these TADSS will add target discrimination as a sub-task for initial entry training.

T 07-105, Rifle Rest Target Box



Purpose of Trainer:

A wooden crate device that provides a position cradle for firing and aiming the weapon. This device is used for basic rifle marksmanship training.

T 07-106, AT4 Rocket Launcher (Field Handling Trainer)



Purpose of Trainer:

A plastic replica of the AT4 FHT rocket launcher with the external appearance and weight of the actual weapon. The use of this TADSS allows safe, realistic handling training.

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T 07-109, Compass, Magnetic, Lensatic



Purpose of Trainer:
Land navigation

T 07-113, Machine Gun, M240B



Purpose of Trainer:
A plastic replica of the M240B Machine Gun with the external appearance and weight of the actual weapon. The use of this TADSS allows safe, realistic handling training.

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L 07-121, Modern Army Combative Kit (MACK)



Purpose of Trainer:

The MACK Kit will allow all units to sign out gear for their combative training.

The Kit includes the following:

Part#	Nomenclature	Quantity on hand
07-121/1	High Gear Suit – Large	2
07-121/2	High Gear Suit – Small	1
07-121/3	High Gear Suit – Medium	2
07-121/4	High Gear Suit – Extra Large	1
07-121/5	Punching Mitts – Pair	18
07-121/6	Punching Gloves – Pair	18
07-121/7	Groin Protector (4 Medium, 4 Large)	8
07-121/8	Head Protector (4 Medium, 4 Large)	8
07-121/9	Body Shields	18
07-121/10	Thai Pads – Pair	18
07-121/11	Loadout Training Bags	10
07-121/12	M4 Training Rifle	4
07-121/13	9mm Training Pistol	4
07-121/14	Training Knives	4

Units not wishing to sign out the complete kit may request items by part number and quantity.

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07-126, Javelin, Basic Skills Trainer (BST)

TRAINING REQUIRED (Contact TSC staff)



DVC 07-126 JAVELIN, BASIC SKILLS TRAINER

Purpose of Trainer:

The Javelin BST is a three-dimensional training device used to train students and qualify gunners on the Javelin weapon system. The BST is a self-contained, computer-based, indoor training computer (PC) that is equipped with special hardware and software.

Functional Description:

The Student Station consists of a Missile Simulation Round (MSR) which provides a three-dimensional simulation of the Javelin. The Instructor Station centers around a desktop PC that provides means to install or upgrade software, create and save gunner training records, and monitor gunner performance during an exercise. The Instructor Station provides all power, video, and sound signals to the Student Station from a single point of connection. It also is equipped with a surge suppressor for protection from power fluctuations.

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07-126/A, Javelin, (Block 1) Basic Skills Trainer (BST)

TRAINING REQUIRED (Contact TSC staff)



Student Station



Instructor Station

Purpose of Trainer:

The Javelin BST is a three-dimensional training device used to train students and qualify gunners on the Javelin weapon system. The Javelin BST is a self-contained, computer-based, indoor training computer (PC) that is equipped with special hardware and software.

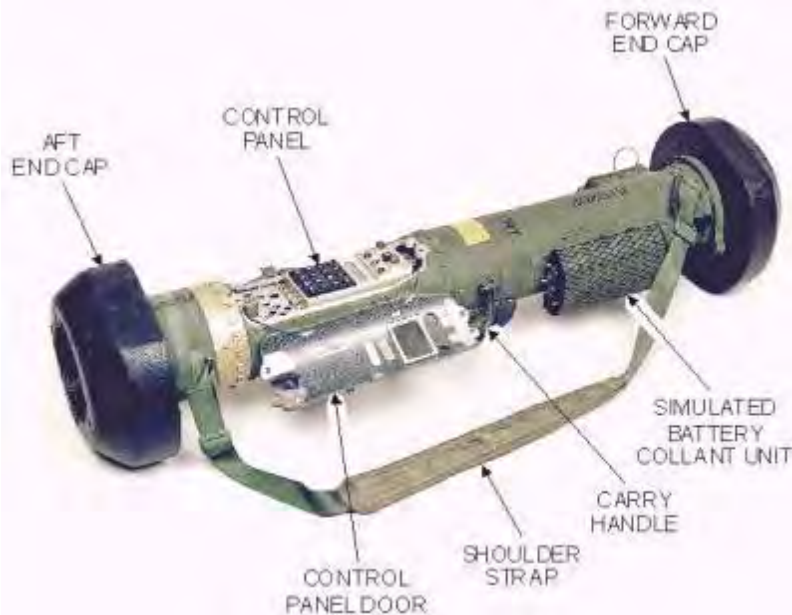
Functional Description:

The major components of the Javelin BST are the Student Station and the Instructor Station. The student station consists of a simulated CLU (SCLU) and a Missile Simulation Round (MSR) which provides a three dimensional simulation of the Javelin. A cable links the Student Station with the Instructor Station for transfer of Student Station power, video motion, and switch signals between the two components. The Instructor Station centers on a desktop PC that provides means to install or upgrade software, create and save gunner training records, and monitor gunner performance during an exercise. The Instructor Station provides all power, video, and sound signals to the Student Station from a single point of connection. It also is equipped with a surge suppressor for protection from power fluctuations. The Instructor Station generates exercises that provide a wide range of training situations to which the gunner must react using the Student Station. Training exercises for the Javelin BST are created using real terrain from actual visible and infrared imagery, and matching 3-dimensional target models for natural target movement. Exercises developed using these processes are played back on the instructor station monitor during gunner training. The gunner views these exercises through the SCLU and reacts to the situations presented in each exercise.

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07-127, Javelin Field Tactical (FTT) Student Station

TRAINING REQUIRED (Contact TSC staff)



Purpose of Trainer:

The FTT Student Station (SS) provides visual, aural, and physical cues associated with the Javelin Missile when engaging targets. Visual cues provided by the FTT include Seeker imagery with the appropriate track gates and crosshairs. Aural cues include a simulation of launch signature effects of the Javelin Missile. Weight of the SR, when connected to the CLU; provide the simulation of the Javelin Missile.

Functional Description:

The Student Station is used for situational exercise (STX) or field training exercises. The FTT student station combines the Command Launch Unit (not supplied) with a simulated round and incorporates a Multiple Integrated Laser Engagement System (MILES) laser transmitter to allow simulated Javelin engagements during training exercises. The student station comes with a battery and charger.

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L 07-132, Laser Marksmanship Training System (LMTS)

TRAINING REQUIRED (Contact TSC Staff)



Purpose of Trainer:

The Laser Marksmanship Training System (LMTS) will simulate weapons training events which lead to live fire qualifications for individual and crew weapons. LMTS will be used primarily as a unit/individual, indoor/outdoor, multi-lane, small arms crew served and individual marksmanship training device. It uses the individual soldier's personal issued weapon and will allow units to conduct individual and sustainment marksmanship training using biological and chemical protective equipment. Since it is light, transportable, uses self-sustained power sources and requires no fixed facilities support, it is also idea for training scenarios in the field.

Functional Description:

The LMTS is a system that provides quantitative feedback in place of the "Dime/Washer" exercise, focusing on the four fundamentals of marksmanship (steady position, sight alignment and picture, breathe control and trigger squeeze). It provides real time feedback in all seasons on the soldier's assigned weapon, transmitter. The Zero Reflective target is used to zero the weapons and laser transmitter. It also provides training for correct sight picture and alignment. The laser detectors are located in the TR700 and TR900 targets and are optimized for use at 25 meters however these will work accurately from 6 inches out to 50 meters for the TR700 target and from about 6 inches out to about 75 meters for the TR900 target. The TR700 target registers and counts the number of hits on a numerical counter up to 99. The TR700 uses target silhouette masks in 100, 200, or 300 meter sizes to simulate the target size and scale. The TR900 target is connected via cable to a scoring device loaded with software, which records the time and placement of shots on the target by the laser transmitter upon being "fired" by the soldier. The target comes with overlays to simulate various distances for the soldier's point of aim. The scoring device displays the time of shot, time between shots, placement of shots, the shot order (1,2,3....), center of shot group and shot dispersion. Up to ten (10) targets can be connected to a single scoring device.

Physical Information:

The 460 System provides a scaled lane range capability that can be controlled by one scoring device and one instructor. Built around the TR-900S target, hits are displayed live in real-time during the timed firing session. It supports training with any weapons that accommodate the MP400B laser (rifle, pistol, shotgun). The software is capable of storing shooter data (name, rank, unit, etc.) for on-demand recall, and performance data (shot sequence, location, time, center of the shot group, and dispersion) for each shooter. The system can be disassembled and packed in the included Pelican® case for storage and transportation and can be configured with up to 10 targets.

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L 07-132/A, Mini-RETS 7 Target Set

TRAINING REQUIRED (Contact TSC Staff)



Purpose of Trainer:

The Laser Marksmanship Training System (LMTS) will simulate weapons training events which lead to live fire qualifications for individual and crew weapons. LMTS will be used primarily as a unit/individual, indoor/outdoor, multi-lane, small arms crew served and individual marksmanship training device. It uses the individual soldier's personal issued weapon and will allow units to conduct individual and sustainment marksmanship training using biological and chemical protective equipment. Since it is light, transportable, uses self-sustained power sources and requires no fixed facilities support, it is also ideal for training scenarios in the field.

Functional Description:

The Mini-RETS 7-Target Set is a wired 7-target system that can be scaled to replicate a full scale field range from 15 or 25 meters. Targets are controlled by a scoring device. Built around the TR-700 target, targets are raised on lifter units according to a timed scenario preset by the user or run on standard default settings. Target hits drop the target and are automatically scored, and the system produces a scorecard for each shooter. The system can be easily assembled and disassembled and may be linked with other Mini-RETS for up to 3 lanes of 7 targets. Included with this system are scaled E-type masks that present standard target silhouettes at appropriate scaled ranges.

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07-158, Tow Improved Target Acquisition System-Tactical Engagement Simulation System (ITAS-TESS)



Purpose of Trainer:

ITAS-TESS is training and simulation system comprised of a HMMWV or Ground-Mounted system and a ground instrumentation system that supports individual, crew, gunnery, and collective live force-on- force training at Home Station or the Combat Training Centers (CTC).

Functional Description:

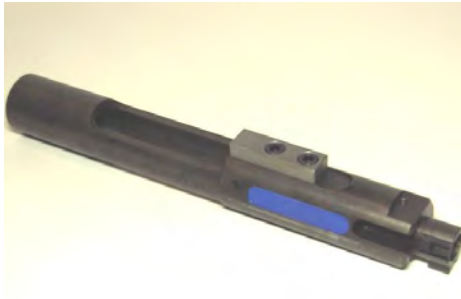
ITAS-TESS is a wireless training system capable of simulating all TOW missiles. The system is comprised of a Laser Module Unit (LMU) which incorporates three eye safe lasers: a pointing laser; a bore sight laser; and a MILES laser. This unit mounts on the side of the ITAS. The Instrumentation Player Unit (IPU) provides position location, telemetry radios for CONUS and OCONUS use, System Kill Indicator, MILES sensors, and a flash data card for recording and playback for AAR. The Training Missile provides the power link to the system. Six wireless MILES sensors are included in each kit. The vehicle commander can observe on his video display what the gunner sees. The system is transparent to the Soldier and compatible with all MILES systems and the CTCs.

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07-162, 07-164, 07-165, Close Combat Mission Capability Kit (UTM Rounds)



07-162, CCMCK, M9 Training Barrel



07-164, CCMCK, M16/M4 Training Bolt and Carrier Assembly



Face Mask



07-165, CCMCK, M249 SAW Training Bolt and Slide Assembly

Purpose of Trainer:

The purpose of this training device is to temporarily convert the M16/M4 rifles, M9 Pistol, and M249 Squad Automatic Weapon for firing of low-velocity marking ammunition. This device is a component of the Close Combat Mission Capability Kit (CCMCK). The CCMCK weapon conversion system and ammunition allows for force-on-force close combat training using ammunition that marks the target yet presents minimal hazard to personnel wearing appropriate safety equipment.

Functional Description:

The CCMCK weapon conversion kit allows for Soldier/Operator conversion and installs in the same manner as the standard service barrel. The converted weapon retains original upper/lower receivers, slides, and frames with mounted accessories (sights, rail systems, optics/electro-optics, aiming lights, etc.), if attached. CCMCK provides normal weapon employment cues such as aiming, firing, force-on-force training, and interactive live-fire scenario task and mission execution. The CCMCK conversion kit will not allow service ammunition to be fired when a weapon is converted for use with the CCMCK ammunition. CCMCK marking ammunition is loaded into the standard magazine for the weapon, fed into the converted weapon, and operated in accordance with the normal operating procedures for that weapon. Once loaded, it cycles the weapon and functions in the same manner as service ammunition. Converting the weapon to use CCMCK marking ammunition does not

cause any undue effects or degradation of the normal service components, overall weapon longevity, or the general function of the weapon.

Equipment Required, Not Supplied:

As a minimum, the required safety equipment for using CCMCK in Force-On-Force training, in addition to the CCMCK face mask, will consist of single hearing protection, standard Combat Helmet or Advanced Combat Helmet, standard gloves, standard Sand, Wind and Dust goggles, groin protection, and two layers of clothing (standard combat shirt and Battle Dress Uniform (BDU) or Army Combat Uniform (ACU) with sleeves rolled down). These are included in the soldier and organizational equipment (OCIE) CTA 50-900 items. Safety equipment/clothing must be worn in a manner such that there is no exposed skin during training.

DVC #	NSN	DODIC
07-162, CCMCK for M9, 60 ea on hand		
Cartridge, 9mm, Practice, M1041, Yellow	1375-01-536-7720	AB12
Cartridge, 9mm, Practice, M1041, Red	1375-01-536-7721	AB13
Cartridge, 9mm, Practice, M1041, Blue	1375-01-536-7722	AB14
07-164, CCMCK for M16/M4, 192 ea on hand		
Cartridge, 5.56mm, Practice, M1042, Blue	1305-01-536-5822	AB09
Cartridge, 5.56mm, Practice, M1042, Red	1305-01-536-5827	AB10
Cartridge, 5.56mm, Practice, M1042, Yellow	1305-01-536-5829	AB11
07-165, CCMCK for M249, 54 ea on hand		
Cartridge, 5.56mm, Practice, M1071, Linked, Blue	1305-01-537-1521	AB16
Cartridge, 5.56mm, Practice, M1071, Linked, Red	1305-01-537-1522	AB17
Cartridge, 5.56mm, Practice, M1071, Linked, Yellow	1305-01-536-9289	AB15

L 07-2006-DEV, M203 Grenade Round Inert



Purpose of Trainer:

Practice Inert M203 Grenade Round.

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08 MEDICAL

08-01A, Manikin, Nursing Doll



Purpose of Trainer:

The device is intended to be used by military medical personnel at all levels of medical training and evaluation of basic nursing care. It provides trainees realistic practice in nursing care techniques and is used in evaluation of techniques such as catheterization, bladder irrigation, colonic irrigation enemas, nasal and optic douching and hypodermic injection. The specific training requirements supported are shown following the descriptive data.

Functional Description:

The device is adult size, made of plastic material that simulates the appearance, texture and resilience of human skin with interchangeable male and female genitals for complete catheterization. It has a life-size intubation head with simulated skull, a functional mouth with flexible tongue and removable dentures, a trachea, pinchable nose, and simulated lungs that inflate with ventilation for mouth to mouth respiration. The joints of this device simulate ball and socket action for natural movements. It has an esophagus with reservoir for lavage and gavage; rectum with reservoir for enemas and colonic irrigation; a stomach reservoir that can be filled with fluids to simulate gastric regurgitation and surgical belly plate with stomas. It has six injection sites and two interchangeable IV pads. Simulated blood, casualty make-up and provided. Interchangeable wounds can be used to simulate different types of casualties. The device is provided with a carrying case.

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08-04, War-Wound Moulage Set



Purpose of Trainer:

The War-Wound Moulage Set is an enhancement of DVC 08-14 Casualty Simulation Kit providing the means to train military personnel in first aid treatment of combat-type casualties and permits trainees to practice and develop first aid skills. Use of the device helps remove shock of first sight of a severe wound and develops skill in identifying and treating wounds.

Functional Description:

The device consists of a set of vinyl-plastisol models or moulages, each of which closely simulates an actual wound to the human body. Each moulage is life-sized, with bone structure and flesh shown in relief on the surface. It is finished in colors simulating real human skin, bone, and flesh. The moulage may be strapped onto a soldier acting as a casualty or as a recipient of treatment during a FTX or lesson in first aid. During training, the subject wearing the moulage can manually operate a pump and reservoir which causes simulated blood to flow through veins and arteries built into the moulage. The flow may be either pulsating or steady. In addition to the following life size moulages, the set comes with a pump and “blood” reservoir, and five packages of powder for making one gallon each simulated blood formula in a carrying case:

- a. Amputation of leg
- b. Compound fracture of femur
- c. Compound fracture of humerus
- d. Compound fracture of lower leg
- e. Gunshot wound of the hand (palm)
- f. Laceration of the forehead (scalp)
- g. Shrapnel wound of the abdominal wall with protruding intestines.
- h. Shrapnel wound of the lower jaw with partial loss of jaw.
- i. Atomic burn of the back
- j. Atomic burn of the chest
- k. Atomic burn of the face
- l. Atomic burn of the hand (palm, & dorsal area)
- m. Face in shock
- n. Frostbite of foot
- o. Phosphorus burn of the hand
- p. Second and third degree burns of the forearm
- q. Trench foot
- r. Hypodermic needle insertion technique moulage
- s. Sucking wound of the chest.

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08-05/B, Deluxe Intravenous (IV) Training Arm



Purpose of Trainer:

To provide lifelike training on injections to major veins.

Functional Description:

The Deluxe IV Training Arm gives unlimited access to the major veins in the arm and hand, and a deltoid IM injection site. The IM site contains a foam pad that was designed to be squeezed out and dried to facilitate multiple uses. It has multiple veins: 4 in the hand, 5 in the forearm and 3 antecubital. Specific veins include antecubital, basilica, cephalic sites and dorsal metacarpal. It allows for insertion of an IV in the arms and hands with an initial flash cue and includes the capability of IV fluids to be infused by an IV catheter. The Deluxe IV Training Arm allows for multiple punctures with a minimum of ten punctures at each site prior to requiring replacement parts.

Physical Information:

Full-sized, anatomically correct arm that extends from the upper arm to the fingertips.

08-14, Casualty Simulator Kit



Purpose of Trainer:

The device provides materials for realistically simulating many types of wounds incurred in battle or disaster. The materials are used in training military and civilian groups in first aid to casualties and to condition these groups not to be shocked at the appearance of the casualties. The specific training requirements supported are shown following the descriptive data.

Functional Description:

The Casualty Simulation Kit consists of 100 stick-on wound moulages and a variety of makeup material to be applied, in accordance with the accompanying instructions, to selected persons who act as casualties during simulation of a battle or disaster.

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08-15, Resuscitation Training Manikin

Purpose of Trainer:

The device provides realistic practice in mouth-to mouth and/or cardiopulmonary resuscitation. This training device supports training in first aid and medical Soldier's Manual tasks in all MOSC's. We carry multiple types of CPR manikins as described below; please designate preferred type on request form.

Little Anne



Constructed with realistic anatomical parts that provide life-like and educationally effective CPR training.

- A realistic airway construction means that the airway naturally remains obstructed without the use of proper head tilt, chin lift or jaw thrust. This leads to more realistic training as chest rise will be seen when correct ventilations are made.
- Little Anne's anatomically correct torso and sternal notch allow the student to practice identification of all anatomical landmarks relevant to conducting adult CPR training.
- Realistic oral and nasal passages allow for mouth-to-mouth ventilation.

Little Anne AED



Same as the Little Anne above plus all the essential features necessary for learning adult defibrillation and defibrillator pad placement. Compatible with Device L 08-29, AED 3.

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Resusci Anne Basic



Simulates an adult of average physiology, and is designed for realistic training of basic life support techniques in accordance with international recommendations. Features included in the manikin are:

- Natural obstruction of the airway
- Moveable jaw
- Human-like compliance for inflations and compressions
- Chest rise with inflation
- Realistic landmarks for compression point location
- Carotid pulse, manual

Resusci Anne SkillReporter AED



All the same features of the Resusci Anne Basic above plus:

- SkillReporter AED versions come with a combined light signal box showing CPR performance in real-time, and a printer that can print both real-time curves and statistical report of CPR performance. Also comes with a special chest skin with LEDs showing proper pad placement. Compatible with Device L 08-29, AED 3.

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08-20, Infant Resuscitation Training Manikin



Purpose of Trainer:

The device provides realistic practice in mouth-to mouth and/or cardiopulmonary resuscitation on infants.

Functional Description:

The device is an infant, plastic, non-inflatable body with movable head, arms and legs. The infant manikin also shows gastric extension should excessive pressure be used for inflation.

L 08-21/A, Hemorrhage Control Training Kit – Non-bleeding



Purpose of Trainer:

Enables a platform for learning hemorrhage control/wound packing techniques used in the effective application of Combat Gauze products.

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L 08-21/B, Hemorrhage Control Training Kit – Bleeding



Purpose of Trainer:

Enables realistic and portable wound packing simulation for TCCC, TECC, TEMS, PHTLS, active shooter and customized training.

L 08-24, Manikin Junior



Purpose of Trainer:

Life-like size and weight of a 5-year-old child simulates the problems encountered in a real-life rescue. Available with choking or water rescue kits.

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L 08-25, Pneumothorax Trainer



Purpose of Trainer:

The Pneumothorax Trainer, with bilateral tension pneumothoraxes and decompression portals in each axilla and subclavian region, and is specifically designed for training professionals in the practice of chest decompression.

L 08-26, Cricoid Stick Trainer



Purpose of Trainer:

Designed trainer for surgical and needle cricothyrotomy. Skills can be practiced on this model with interchangeable rigid and soft tracheas that also articulates to a range of adult manikins.

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L 08-27, Airway Management Trainer (AMT)



Purpose of Trainer:

Realistic practice is the key to developing proficiency in airway management skills. The Laerdal® Airway Management Trainer's lifelike upper torso and head can be used to demonstrate and practice intubations, ventilation, and suction.

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L 08-29, AED 3, Defibrillator Trainer



Purpose of Trainer:

Educationally effective, offers all the essential features necessary for learning appropriate AED use and techniques. Affordable training through the simulation of the HeartStart FR3 AED in appearance and operation. The AED FR3 provides a realistic training experience for emergency responders to deliver optimal therapy when facing cardiac arrest. The AED 3 trainer is configured with eight real world scenarios. Each scenario can be easily configured to conform to local protocols. Language voice prompts can also be changed with the touch of a button.

08-36, Nerve Agent Antidote, Mark 1 and Type 1



Purpose of Trainer:

This nerve agent antidote auto injector training kit is for training individuals in the proper administration of Antidote for Chemical Nerve Agent poisoning without using real injectors.

08-37, Convulsant Nerve Agent Trainer



Purpose of Trainer:

To aid in the training of individuals for the proper administration of Convulsant Antidote for Nerve Agent (CANATD) without the use of the actual injectors.

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L 08-38, MEGA Code Kelly Advanced with Simpad and Patient Monitor

TRAINING REQUIRED (Contact TSC staff)



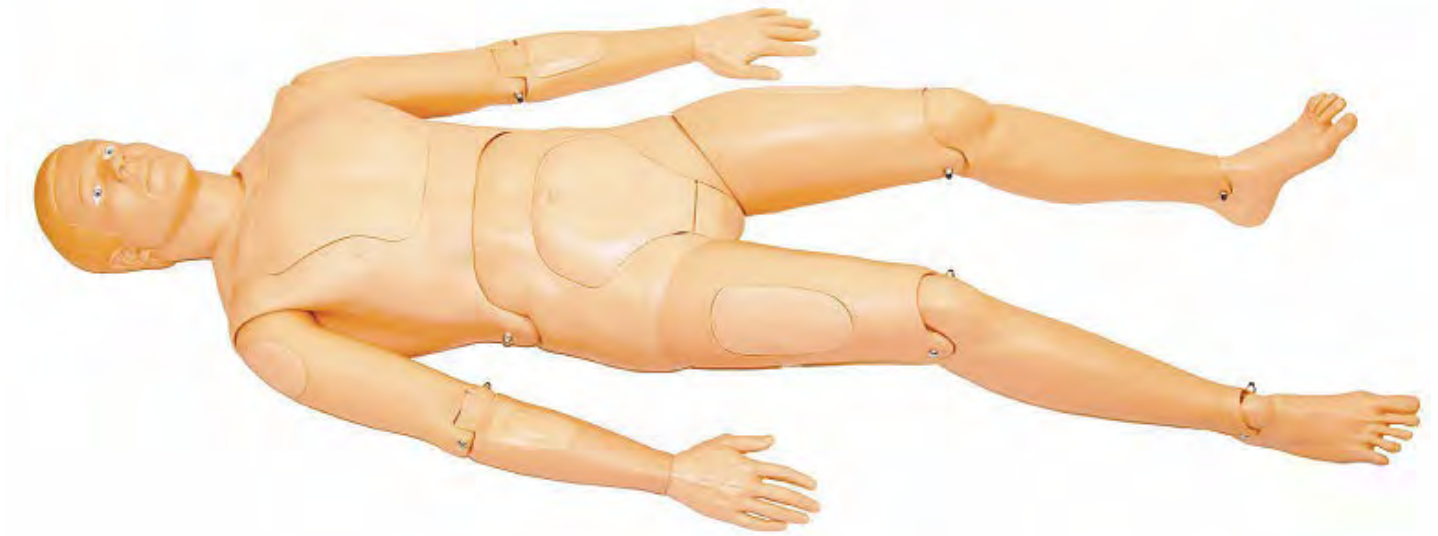
Purpose of Trainer:

A full-body manikin designed for the practice of advanced, difficult and obstructed airway scenarios and IV therapy. Allows cardiac defibrillation, pacing and ECG interpretation of over 1000 rhythm variation.

- Flexible manikin platform, complete with scenario based simulation curriculum provides a wide range of accessory modules to accommodate training, including CPR, ACLS, NBC, trauma, bleeding control and first aid
- Airway/Intubation Trainer
Obstructed Airway, Endotracheal, Nasotracheal intubation, Ventilation, Surgical and Needle cricothyrotomy, Suction techniques, Stomach auscultation
- Cardiac Related Skills
Cardiac rhythm variations, manual chest compressions, pacing, defibrillation and synchronized cardioversion
- Circulatory Skills and IV Drug Administration
Bilateral carotid pulse, Brachial and Radial pulses, blood pressure, IV Cannulation, venipuncture, Subcutaneous and intramuscular injections, Tension Pneumothorax Decompression
- Simpad System features
 1. Handheld, intuitive touchscreen remote for easy “pick up and play” experience
 2. Operate on-the-fly or utilize Scenarios and Themes for consistent simulation training
 3. Optimal data capture for quality debriefing
 4. Mobile – teach anywhere
 5. Patient monitor provides clinical realism

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L 08-40, Extri-Kelly Manikin



Purpose of Trainer:

Is a full-body, lifelike manikin which realistically simulates a patient. It is specifically designed for training professionals in the practice of extrication. 53 lbs.

L 08-41, First Aid Training Manikin



Purpose of Trainer:

Is a full-body, lifelike manikin which realistically simulates a patient. Anatomically correct landmarks and realistic chest compression/ventilations for practicing correct CPR techniques. Removable reusable mouthpieces and economical disposable airways reduce clean-up time. Correct head tilt/chin lift techniques must be performed for ventilation. Manually generated carotid pulse. Realistic articulation for applications of cervical collars, splints and traction or application to spineboard.

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L 08-42, Sked Stretcher



Purpose of Trainer:

Used for patient packaging and extraction.

L 08-43, Baxstrap Spineboard



Purpose of Trainer:

Used to immobilize the cervical spine. Position the patient on the BaXstrap using the appropriate number of personnel. Properly fasten/strap the patient to protect against patient movement in any direction. The BaXstrap can be used in a number of field scenarios.

08-51, Rescue Randy Task Trainer



Purpose of Trainer:

To provide lifelike adult victim handling, transportation and extrication training.

Functional Description:

The Rescue Randy contains anatomically correct features with articulated joints. The weight distribution of the Rescue Randy is according to the human weight distribution chart. It weighs 165 lbs and is 6ft tall. It is made of durable PVC vinyl that makes it water resistant. The Rescue Randy contains rust resistant joints for the elbow, shoulder, hips and knee.

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08-52, Critical Airway Management Trainer



Purpose of Trainer:

Accurately represents the human airway with visual and tactile cues. It features anatomical landmarks including sternum and rib cage plus substernal notch. The manikin contains tongue, teeth, vocal cords, uvula, glottis, epiglottis, vallecula, oropharynx, nasopharynx, larynx, arytenoids cartilage and trachea. The Critical Airway Management Trainer supports airway adjuncts such as Nasopharyngeal Airway, Oropharyngeal Airway, Combitube, Endotracheal (ET) tube, and Laryngeal Mask Airway (LMA). By using the features of tongue swelling and laryngospasm the instructor creates a critical airway management problem that requires the student to perform surgical cricothyroidotomy. The Trainer also supports oropharynx suctioning of the patient and provides ventilation cues, such as the chest wall rising and falling, when all types of ventilation are correctly administered.

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08-54, Multiple Amputation Trauma Trainer (MATT)

TRAINING REQUIRED (Contact TSC staff)



Purpose of Trainer:

The TraumaFX® MATT is a ruggedized, tetherless, remote controlled trauma trainer that delivers high-fidelity simulations of lower-body blast injuries commonly caused by Improvised Explosive Devices (IEDs) or other explosive events.

MATT employs state-of-the-art special effects materials and technologies to deliver incredibly realistic visual and tactile stimuli with lifelike response to treatment. Bleeding from the tourniquet trainers can be occluded at any point along the femoral artery from the groin to just above the amputation sites. Instead of only using one sensor in a 'sweet spot', MATT has sensor rails running the entire length of the legs as well as locations around the groin that can be accessed with direct pressure from a hand, knee, or tourniquet device.

KEY BENEFITS TO TRAUMA FX (MATT)

- Full-motion animatronics combined with practical special effects technology
- Arterial bleeding from both legs
- Accurately simulates pulse bleeding and the effects of tourniquet application
- Multiple tourniquet points along legs
- Bleeding can be controlled with direct pressure from knee or elbow
- Can be used with human actors
- Specially formulated synthetic tissue with unparalleled realism and durability
- Highly realistic visual and tactile stimuli
- Ruggedized Remote Control with extended range
- Crepitus to cue for crushed pelvic region
- Realistic, resilient, and water resistant
- Durable urethane core
- Solid state electronics
- Scrotal avulsion
- Easy to clean and maintain after use
- Optional interchangeable priapism to simulate spinal injury

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L 08-56, AT Kelly Torso



Purpose of Trainer:

Lifelike manikin, which realistically simulates a male patient. It is specifically designed for training professionals in the practice of pre-hospital trauma skills. Airway Management Skills: Oral Intubation, Nasal Intubation, Oropharyngeal airway insertion, Nasopharyngeal airway insertion, Digital Intubation, Suction. Circulatory Skills: Subclavian Cannulation. Other Skills: Pneumothorax Decompression, Chest Compression, Abdominal Thrust, and Stomach Auscultation.

L-LITTER, Litter



Purpose of Trainer:

Used to transport wounded Soldiers in combat training exercises.

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08-76/A, Trauma FX Airway Plus Lifecast/Amputation Arm

TRAINING REQUIRED (Contact TSC staff)



Purpose of Trainer:

The TraumaFX AirwayPlus Lifecast - Pulses/Breathing Amputation Arm (KGS-TFX-APLPBA-1) is a ruggedized upper body unit medical Tactical Combat Casualty Care Exportable (TC3X) trainer that takes realism to the next level by helping trainees learn how to treat and perform interventions on patients suffering from traumatic upper body injuries. The KGS-TFX-APLPBA-1 is covered in lifelike synthetic skin and includes a simulated rib cage and sternum.

Functional Description:

The KGS-TFX-APLPBA-1 helps teach responders to perform TC3X life-saving tasks such as maintaining a patient's airway, needle chest decompression, cricothyroidotomy, intraosseous infusion, chest tube insertion, hemostatic wound intervention, and intubation. The TraumaFX KGS-TFX-APLPBA-1 is unparalleled in ruggedness and durability, and was designed specifically for use in tough outdoor terrains, and features articulating shoulders and realistic, reinforced silicone arms. It can be carried, dragged, and transported in a variety of vehicles and aircraft. The KGS-TFX-APLPBA-1 can withstand nearly any weather condition, making it ideally suited for real world simulation training for TC3X training courses. The KGS-TFX-APLPBA-1 is a multi-purpose training simulator that can function as a stand-alone skills station or be connected to any TraumaFX lower torso trainer for use in training lanes. The KGS-TFX-APLPBA-1 has simulated injury and intervention sites allow for multiple uses with cost-effective replacement components.

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08-77/A, Packable Hemostatic (HEMO)Trauma Trainer

TRAINING REQUIRED (Contact TSC staff)



Purpose of Trainer:

The Packable Hemostatic (HEMO) Trauma Trainer is a ruggedized lower body unit medical Tactical Combat Casualty Care Exportable (TC3X) trainer that takes realism to the next level by helping trainees learn how to treat and perform interventions on patients suffering from traumatic lower body injuries.

Functional Description:

The HEMO Lower Body is a simulation of a traumatic single amputation with pulsing arterial bleeding requiring the placement of a tourniquet or direct pressure. This simulator also displays a groin injury involving a severed femoral artery that requires wound packing to achieve homeostasis, and has a lower leg crush injury with venous bleeding. The system is equipped with rugged animatronics to mimic the leg movement of a severely injured person. The system is composed of a seamless silicone skin molded over a strong urethane and anodized aluminum core that houses all electrical and electromechanical components. The TC3X HEMO's right amputation leg allows for easy removal of the tibia and fibula amputation fragments in a quick release fashion.

Once the bone fragment is removed, the knee bone becomes stand alone and is exposed so the user can install the Prosthetic Leg Cover directly at the knee joint.

When a PLC is installed on a TC3X HEMO, it can better support the training scenarios that do not require a right leg amputation.

The HEMO can be paired with any TraumaFX Upper Body and accommodates the Prosthetic Leg Cover. The HEMO's unparalleled ruggedness allows it to be carried and dragged through inhospitable field training environments without damage. The HEMO can withstand nearly any weather condition, making it ideally suited for Tactical Combat Casualty Care (TCCC) and Combat Lifesaver training courses.

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08-78/A, Trauma FX Airway Plus Lifecast

TRAINING REQUIRED (Contact TSC staff)



Purpose of Trainer:

The TraumaFX AirwayPlus Lifecast - Pulses/Breathing (APL-PB) is a ruggedized upper body unit medical Tactical Combat Casualty Care Exportable (TC3X) trainer that takes realism to the next level by helping trainees learn how to treat and perform interventions on patients suffering from traumatic upper body injuries.

Functional Description:

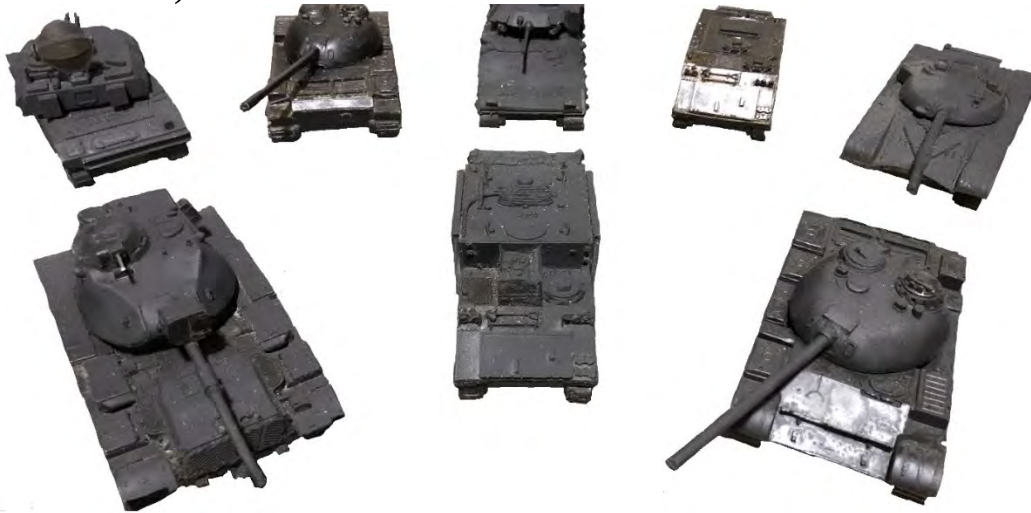
The APL-PB helps teach responders to perform life-saving tasks such as maintaining a patient's airway, needle chest decompression, cricothyroidotomy, intraosseous infusion, chest tube insertion, hemostatic wound intervention, and intubation. The TraumaFX APL-PB is unparalleled in ruggedness and durability, and was designed specifically for use in tough outdoor terrains, and features articulating shoulders and realistic, reinforced silicone arms. It can be carried, dragged, and transported in a variety of vehicles and aircraft. The APL-PB can withstand nearly any weather condition, making it ideally suited for real world simulation training for Tactical Combat Casualty Care (TCCC) and Combat Lifesaver training courses. The APL-PB is a multi-purpose training simulator that can function as a stand-alone skills station or be connected to any TraumaFX lower torso trainer for use in training lanes. The APL-PB has simulated injury and intervention sites allow for multiple uses with cost-effective replacement components.

The APL-PB is designed for rugged use in realistic training environments. The APL-PB Upper Body is a simulation of a severely injured person with a complete, realistic airway for any method of airway intervention, and breathing. The APL-PB trains responders to perform life-saving tasks such as maintaining a patient's airway, needle decompression, chest tube insertion, cricothyroidotomy, IV placement, and intraosseous infusion. The system is composed of a seamless silicone skin molded over a strong urethane and anodized aluminum core that houses all electrical and electromechanical components. The APL-PB can be paired with any TraumaFX Lower Body and accommodates a 90° bend at the waist.

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17 ARMOR

T 17-102, Armor Vehicle Models



Purpose of Trainer:

A set of three-dimensional models of solid hard plastic are 1/35th scale models of American and foreign nation armored vehicles. They may be used for classroom or outdoor instruction in the recognition of armored vehicles. The set consists of the following 25 vehicles: M60A1, M113, M113A1, M551, M577, AMX-13, AMX-30, Leopard 1, Leopard 2, Centurion, Chieftain, T-10, T-34, T-54, T-55, T-62, T-62A, T-64, T-72, T-76, PT-76, BMP, BRDM, M1, and M2 Bradley.

T 17-105, 105MM M920 Sabot Round Inert



Purpose of Trainer:

Rounds are used by instructors to provide Soldiers training in ammunition identification, experience in handling, and chambering of the service rounds in a manner to stress safety and avoid damage to service projectiles.

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T 17-106, 105MM M921 Heat Round Inert



Purpose of Trainer:

Rounds are used by instructors to provide Soldiers training in ammunition identification, experience in handling, and chambering of the service rounds in a manner to stress safety and avoid damage to service projectiles.

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20 GENERAL

T 20-005, RPG-7 Antitank Grenade Launcher with Round



Purpose of Trainer:

A full-scale, three-dimensional replica of the RPG-7 antitank grenade launcher. Designed to enhance the realism of opposing force simulation during tactical training and can also be used for classroom or field instruction on foreign nation weapons. It duplicates the size and physical appearance of the actual RPG-7, facilitating instruction on its components and characteristics. A removable model of the 85mm round with collapsible fins is mounted in the launcher assembly.

T 20-006, AK-47 Assault Rifle



Purpose of Trainer:

OPFOR small arms AK-47 assault rifle

T 20-007, PRK Squad Machine Gun



Purpose of Trainer:

OPFOR small arms PRK squad machine gun

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T 20-008, PM-50 Pistol w/Holster



Purpose of Trainer:

This device is designed to enhance the realism of Opposing Force simulation during tactical training and can also be used for classroom or field instruction on foreign nation weapons

T 20-009, POMZ-2, Antipersonnel Grenade



Purpose of Trainer:

OPFOR grenades/mines, POMZ-2, AP grenade

T 20-010, RG-42 Antipersonnel Grenade



Purpose of Trainer:

OPFOR grenades/mines, RG-42, AP grenade

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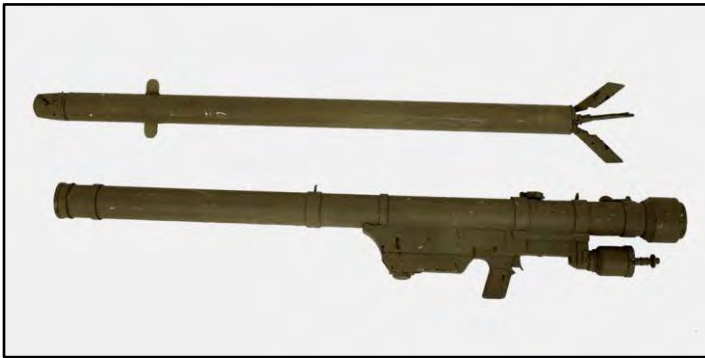
T 20-012, RKG-3 Antitank Grenade



Purpose of Trainer:

OPFOR grenades/mines, RKG-3, antitank grenade

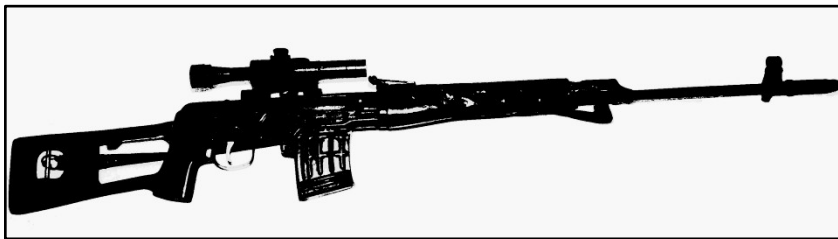
T 20-014, SA-7 (GRAIL)



Purpose of Trainer:

A full-scale, three-dimensional plastic and metal replica of the SA-7 guided antiaircraft missile system (GRAIL), consisting of the launcher and removable missile. The GRAIL is used during classroom and field instruction to emphasize the lethality of foreign nation antiaircraft capabilities. It is also used by the opposing forces during tactical exercises to enhance realism and introduce an antiaircraft dimension to field intelligence play.

T 20-018, Rifle, Sniper SVD



Purpose of Trainer:

A full-scale, three-dimensional plastic replica of the SVD sniper rifle. This device is used for classroom and field recognition training to emphasize the lethality characteristics employment of foreign nation small arms.

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T 20-024, UZI Machine Gun



Purpose of Trainer:

A full-scale, three-dimensional plastic replica of a foreign nation's small arms. This device can be used for classroom or field recognition instruction, or can be carried during tactical exercises to add realism to the portrayal of opposing force troops.

L T 20-029, Briefcase Bomb



Purpose of Trainer:

A briefcase that has inert pipe bombs with nails and nuts for shrapnel. The case has a dummy cell phone for a trigger and an alarm that will alert the students when the case is opened. The device can be used in the classroom or outside to teach students about how IED's might be placed into target areas.

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T 20-030, Suicide Vest with Audible Dead Man Switch



Purpose of Trainer:

The Suicide Bomber Vest is an Improvised Explosive Device (IED) simulator that can realistically demonstrate the behavior and effects of an individual suicide bomber. It supports training by allowing trainers to actually wear and detonate the device in lifelike scenarios. This device provides an instantaneous, high output, realistic explosion sound. It provides an intense audible and visual shock effect generating the maximum sense of realism and impact in a live training environment.

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Southwest Asia Clothing

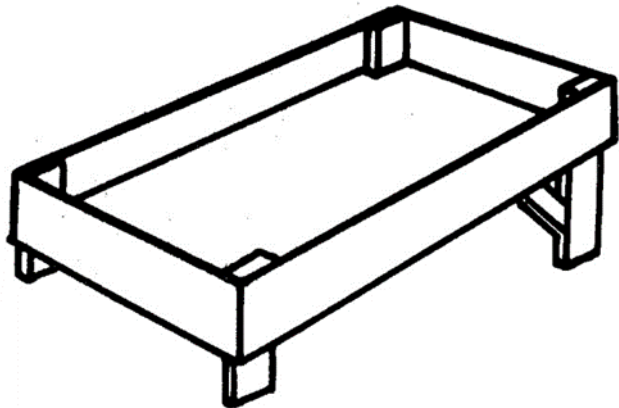
Device#	Nomenclature	Quantity on hand
T 20-031A	Islamic Men Dress Shirt Long Sleeve - Medium	20
T 20-031B	Islamic Men Dress Shirt Long Sleeve - Large	60
T 20-034B	Islamic Men Dress Pants - Large	30
T 20-036B	Iraqi Police Uniform Shirt - Large	20
T 20-036C	Shoulder Epaulets - Pair	20
T 20-040	Men's Salwar Kameez (Mixed Colors)	30
T 20-041	Afghanistan Style Burqa (Chador), 150 Navy/150 Black	30
T 20-042A	Men's Kurta Shirt, Mixed Colors - Large	30
T 20-042B	Men's Kurta Shirt, Mixed Colors - X-Large	30
T 20-043	Traditional Pakol-One Size (Mixed Colors)	15
T 20-044	Traditional Cotton Kufi-One Size (Mixed Colors)	15
T 20-045	Men's Embroidered Sindhi Cap-Medium (Mixed Colors)	20
T 20-047A	Men's Vest - Large, (Mixed Colors)	15
T 20-047B	Men's Vest - X-Large, (Mixed Colors)	15
T 20-048	Afghan Lungie Cloth, 10-12 Feet, (Mixed Colors)	15
T 20-049A	Iraqi Abaya Women, Large, (Mixed Colors)	10
T 20-049B	Iraqi Abaya Women, X-Large, (Mixed Colors)	10
T 20-050	Iraqi Female Scarf - Regular, (Mixed Colors)	10
T 20-051	Iraqi Alamira Religious Veil-Regular, (Mixed Colors)	15
T 20-052A	Women Salwar Kameez, Large, (Mixed Colors)	15
T 20-052B	Women Salwar Kameez, X-Large, (Mixed Colors)	15
T 20-053	Shayla Wrap Hijab (Acrylic)-Oversized, (Mixed Colors)	15
T 20-054A	Men's Saudi Style Abaya - Large, (Mixed Colors)	10
T 20-054B	Men's Saudi Style Abaya - X-Large, (Mixed Colors)	10

Purpose of Trainer:

Soldiers use Southwest Asia clothing to add realism during force on force exercises and should be used in all ARTEPS that use an opposing force.

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L 20-09-DEV, Sand Table S/M 3X5 or LG 4X8



Purpose of Trainer:

A table bearing a relief model of a terrain built to scale for study or demonstration especially of military tactics. **Please put on your request form what size table you would like 3' x 5' or 4' x 8'.**

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23 WEAPONS

L 23-28-DEV, Grenade Kit

INERT REPLICA GRENADE TRAINING KIT



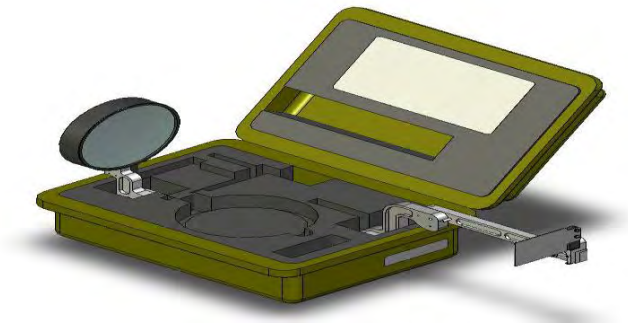
© INERT PRODUCTS, LLC

Purpose of Trainer:

Grenade Identification Kit, these grenades are not to be thrown.

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23-77, Mirror Alignment Jig Kit (MAJiK)



Purpose of Trainer:

The purpose of the trainer is to replace the current target sheet alignment method for all MILES-IWS SAT with MAJiK. The MAJiK is an ancillary aid device used to align the MILES IWS SAT laser to the soldier's weapon sight picture.

23-101, MILES, Universal Controller Device (UCD)

TRAINING REQUIRED (Contact TSC Staff)



Purpose of Trainer:

The purpose of the trainer is to replace the Basic MILES controller devices at Home Stations and Maneuver Combat Training Center Centers Army wide. The MILES Universal Controller (UCD) Device performs the following:

- a. Transmit all MILES Codes for a maximum range of greater than 100 meters with special function outputs to 500 meters [Kill, Near Miss, Reset, Resurrect, time sync] to approximately 500 meters.
- b. Expanded decode functions for system checks and fault isolation.
- c. Lab and field testing of MILES target systems.
- d. Player/Equipment preparation for force-on-force or force-on-target exercises.

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23-101A, Micro Controller Device (MCD) Indicator Simulator System, Laser



Purpose of Trainer:

The purpose of the trainer is to replace the Basic MILES controller devices at Home Stations and Maneuver Combat Training Center Centers Army wide. The MILES Micro Controller Device performs the following:

- a.* Transmit the universal kill, reset, resurrect, and near miss sequence code for a maximum range of 5 meters IAW the MILES Communication Code standard except the Player Identification (PID) and ammunition type shall not be transmitted.
- b.* Provides a visual indication of the laser transmit.

Functional Description:

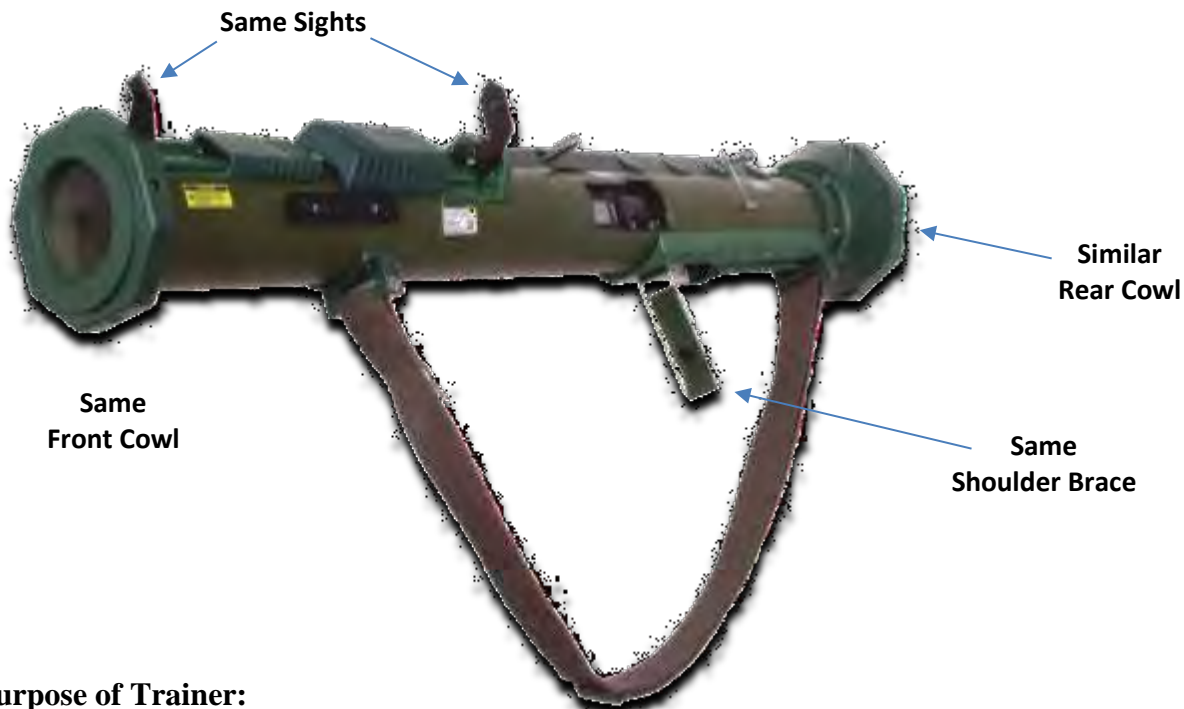
The MILES MCD will be used to support:

- a.* Lab and field testing of MILES target systems.
- b.* Player/Equipment preparation for force-on-force or force-on-target exercises.
- c.* Player training of MILES systems.

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23-102A, MILES, Shoulder Launched Munitions (SLM), AT4

TRAINING REQUIRED (Contact TSC Staff)



Purpose of Trainer:

The device is a component of the Multiple Integrated Laser Engagement System (MILES). MILES is a family of training systems which simulate the effects of direct-fire weapons at their operational ranges and operate in a fully integrated tactical training environment. MILES provides the capability for two-sided, real-time tactical engagement for realistic casualty assessments. Firing the weapon simulators is much like firing the actual weapons. However, instead of firing live ammunition, these simulators transmit harmless laser beams. To allow the simulation to be as real as possible the missiles use weapons effect simulators to simulate the noise, blast, and smoke of the actual weapons.

Functional Description:

The SLM systems are stand alone and operationally similar devices used by soldiers during force-on-force exercises. The SLM trainer used to simulate the AT4 is the most realistic of the systems and is shown above. When activated by placing it on one's shoulder and firing the trigger, it transmits a laser message which simulates the firing of a missile. It also can activate a pyrotechnic cue to simulate the back blast. It is powered from either an alkaline or Lithium magnesium 9 volt transistor style battery. The Pyrotechnic used for this simulation is the previously qualified M22.

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23-102B, MILES, Shoulder Launched Munitions (SLM), RPG7

TRAINING REQUIRED (Contact TSC Staff)



Purpose of Trainer:

The device is a component of the Multiple Integrated Laser Engagement System (MILES). MILES is a family of training systems which simulate the effects of direct-fire weapons at their operational ranges and operate in a fully integrated tactical training environment. MILES provides the capability for two-sided, real-time tactical engagement for realistic casualty assessments. Firing the weapon simulators is much like firing the actual weapons. However, instead of firing live ammunition, these simulators transmit harmless laser beams. To allow the simulation to be as real as possible the missiles use weapons effect simulators to simulate the noise, blast, and smoke of the actual weapons.

RPG7 Description

The SLM representing the RPG7 is shown above. While its similarity to an actual weapon is less than the AT4 version, it looks very much like an actual weapon including a removable warhead. Like the AT4, it transmits a laser optical message and can trigger the same pyrotechnic device.

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23-106, I-MILES Tactical Vehicle System (TVS)



Purpose of Trainer:

This device is a member of the I-MILES family of training systems. This trainer provides real-time casualty effects during Force on Force training scenarios. MILES is a family of training systems that accurately, and in real time, simulates the effect of direct, and when connected to an instrumentation system, indirect fire (artillery, nuclear, or chemical weapons, and mines) as they would affect a vehicle/soldier in combat. This permits realistic combat training without the hazards of live ammunition. MILES provides the capability for force-on-force, real-time tactical engagement at unit sizes up to battalion level, and realistic casualty assessments. Crews served weapons have a laser transmitter attached that activates when the weapon is fired with blank ammunition. However, instead of firing live ammunition, this simulator transmit an eye safe laser beam.

Functional Description:

The MILES family employs eye-safe lasers and microelectronics to realistically simulate the firing capabilities of tactical vehicles with crew served weapons, such as the M2 machine gun and/or the M240 machine gun.

The I-MILES TVS components are:

- a. Control (Operator) module
- b. Vehicle Kill Indicator (VKI) – with the amber strobe lamp separated from the electronics/computer processing unit.
- c. Laser Detectors (LD) – mounted with a primary and secondary attachment.
- d. M2 Small Arms Laser Transmitter (SAT) with brackets.
- e. M240 Small Arms Laser Transmitter (SAT) with brackets.
- f. Power Module.

Some of the platforms which use the TVS are equipped with either/both the M2 or M240 machine gun. These machine guns are equipped with the appropriate Small Arms Laser Transmitter (SAT) that are fired using normal operating procedures. Each weapon has a different MILES code. The receiving detectors, located on opposing troops and vehicles, pick up the laser pulses and instantly provide audio/visual indications of a kill, hit, or near miss. If a MILES code is received, kill indicators on personnel or vehicles will disable the associated weapon(s). The hit and kill probabilities are similar to those achieved when using live ammunition. TVS detectors are on the vehicle's exterior to sense opposing force fire. The TVS simulates the effects of direct fire engagements. The TVS has the capability to simulate the effects of indirect fire engagements when it is connected to an instrumentation system. Direct fire is simulated by receiving coded laser beams "fired" from laser transmitters. Indirect fire (artillery, nuclear, chemical, and mines) is simulated by receiving radio signals transmitted from the Mission Control Station (MCS). When incoming fire is received, the console will

determine whether the vehicle sustains a KILL or one of four types of HITS. The visual message on the display module will indicate the MILES Code and Player Identification (PID). The MILES Code is a 2-digit MILES code number used to identify simulated weapons. The PID is a 4-digit number that is a unique Player Identification of the player engaging the TVS platform. This event information is stored in the console and is capable of being downloaded after exercises for use in After Action Reviews. The MILES Code and PID accurately show the performance of specific troops and weapons.

Vehicle KILL simulates total disability to the vehicle. In addition to incoming fire, disconnecting or interrupting power to vehicle console or tampering with the detectors will also cause a KILL. Vehicles can sustain four types of hits:

- a. MOBILITY KILL simulates power train, track, wheel or other damage that would keep the vehicle from driving.
- b. COMMO KILL simulates loss of radio communications.
- c. NO EFFECT simulates vehicles being engaged, but the vehicle received no damage as a result of the engagement.
- d. NEAR MISS means direct or indirect fire was close, but did not hit vehicle.

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23-110, I-MILES, IWS 2, Code 24, Outfits M2 weapons

TRAINING REQUIRED (Contact TSC Staff)



Purpose of Trainer:

The purpose of this trainer is to replace Basic MILES and MILES 2000 systems at home-station and the Combat Training Centers (CTCs) due to age of technology and cost to maintain. The MILES Individual Weapons Systems (MILES IWS) communicate between the vest and Small Arms Transmitter (SAT); the use of a red laser, alignment knobs to align the SAT. Weight of the device is also reduced from earlier devices. The MILES IWS Code 24 kits are instrumentable for use in instrumented ranges. This device is a component of the Multiple Integrated Laser Engagement System Individual Weapons Systems (MILES IWS). MILES IWS is a family of training systems, which simulate the effects of direct-fire weapons at their operational ranges. MILES IWS is primarily used for force-on-force training from squad up to and include Brigade level.

Functional Description:

The MILES IWS Code 24 Kit is used with heavy weapon firing systems, employs eye-safe lasers and microelectronics to realistically simulate the firing capabilities of rifles, machine guns, and other direct-fire weapons. The laser firing SATs attach easily to conventional field weapons, allow ground troops to fired coded (to distinguish weapon type and player ID) laser signals. Soldier's fire blank ammunition, the —flash and bang triggers the SAT. The receiving laser detectors determine, Hit, Near Miss, or Kill status of received fire. If Killed, the receiving target disables the system preventing the killed player from firing his/her weapon.

Physical Information:

The Manworn Harness consists of an infrared detector array attached to a vest that contains a sound transmitting device and a Harness Control Unit (HCU). The HCU has a local Radio Frequency (RF) transceiver that allows it to communicate to the Small Arms Transmitter (SAT). The HCU receives encoded messages from the detectors. The Halo consists of an electronic module and a set of infrared detectors mounted on a durable fabric. The Halo encircles the head providing 360 degrees coverage as a target. The Halo electronics receives encoded messages from the detectors and repeats the message to the Harness through embedded inductive loops. When the Harness is killed, the SAT is automatically disabled. The Small Arms Transmitter (SAT) is mounted on the Picatinny Rail or using a Universal Barrel Clamp of personnel and crew served weapons and transmits MILES Laser messages to a target, it communicates via IR to Soldier's harness or communicates Radio Frequency(RF) to TVS (Tactical Vehicle System). Transit case dimensions: 37.3" (L) x 35.3" (W) x 17.5" (H)

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23-111, I-MILES, IWS 2, Code 27, Outfits M16/M4/M240/M249 weapons **TRAINING REQUIRED (Contact TSC Staff)**



Purpose of Trainer:

The purpose of this trainer is to replace Basic MILES and MILES 2000 systems at home-station and the Combat Training Centers (CTCs) due to age of technology and cost to maintain. The MILES Individual Weapons Systems (MILES IWS) communicate between the vest and Small Arms Transmitter (SAT); the use of a red laser, alignment knobs to align the SAT. Weight of the device is also reduced from earlier devices. The MILES IWS Code 27 kits are instrumentable for use in instrumented ranges. This device is a component of the Multiple Integrated Laser Engagement System Individual Weapons Systems (MILES IWS). MILES IWS is a family of training systems, which simulate the effects of direct-fire weapons at their operational ranges. MILES IWS is primarily used for force-on-force training from squad up to and include Brigade level.

Functional Description:

The MILES IWS Code 27 Kit is used with heavy weapon firing systems, employs eye-safe lasers and microelectronics to realistically simulate the firing capabilities of rifles, machine guns, and other direct-fire weapons. The laser firing SATs attach easily to conventional field weapons, allow ground troops to fired coded (to distinguish weapon type and player ID) laser signals. Soldier's fire blank ammunition, the —flash and bang triggers the SAT. The receiving laser detectors determine, Hit, Near Miss, or Kill status of received fire. If Killed, the receiving target disables the system preventing the killed player from firing his/her weapon.

Physical Information:

The Man-worn Harness consists of an infrared detector array attached to a vest that contains a sound transmitting device and a Harness Control Unit (HCU). The HCU has a local Radio Frequency (RF) transceiver that allows it to communicate to the Small Arms Transmitter (SAT). The HCU receives encoded messages from the detectors.

The Halo consists of an electronic module and a set of infrared detectors mounted on a durable fabric. The Halo encircles the head providing 360 degrees coverage as a target. The Halo electronics receives encoded messages from the detectors and repeats the message to the Harness through embedded inductive loops. When the Harness is killed, the SAT is automatically disabled. The Small Arms Transmitter (SAT) is mounted on the Picatinny Rail or using a Universal Barrel Clamp of personnel and crew served weapons and transmits MILES Laser messages to a target, it communicates via IR to Soldier's harness or communicates Radio Frequency(RF) to TVS (Tactical Vehicle System). **Transit case dimensions: 37.3" (L) x 35.3" (W) x 17.5" (H), 20 sets per case.**

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30 OPPOSING FORCES

L 30-01, Islamic Dress/Male Complete Outfit



Purpose of Trainer:

The off white long sleeve shirts and drawstring pants are constructed from polyester cotton and available in sizes medium and large. The black and white scarf is of cotton and the headband of a nylon rope material. Soldiers use Southwest Asia clothing to add realism during force on force exercises and should be used in all ARTEPS that use an opposing force. ****Female Complete Outfit also available (L 30-02).**

L T 30-16A, OPFOR Shirt



Purpose of Trainer:

Army wide OPFOR Shirt. They are available in multiple sizes. The OPFOR Shirts come in green or black. Please indicate what color you would like on your request form.

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99 MISCELLANEOUS

L 99-47-DEV, Bluebody Throwing Grenade



Purpose of Trainer:

The Bluebody Grenade has the same dimensions and weight as a live grenade. The grenades can be used for proper throwing techniques or in any combat training exercise. Used with Fuse, Hand Grenade, Practice, 1330-00-168-5502, DODIC: G878

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SIMULATORS

07-129, Engagement Skills Trainer (EST) II

Building 615, Queenstown Street

Scheduling for use is handled through the Range Facility Management Support System (RFMSS)

<https://rfmss.belvoir.army.mil/> For questions concerning the EST Trainer please contact the Contracting Coordinator at 978-615-6058.



Purpose of Trainer:

The Engagement Skills Trainer (EST) II is used as a unit and institutional, indoor, multipurpose, multilane, small arms, crew served and individual antitank training simulator. The EST is an industry proven, commercially available, computer operated simulator. The EST provides audio and visual presentations and feedback during training scenario exercises simulating the operation of a variety of small arms weapons. The EST simulator utilizes visual display systems, audio system(s), aiming detection system(s), pseudo or modified real weapons with weapon power source interfaced by computer to provide Marksmanship, Shoot/Don't Shoot decision training, and Unit Collective Squad Level training scenarios. These trainers safely replicate weapon training events which lead to live fire individual and weapon crew qualification and that contribute to increased weapon, crew, fire team, and squad combat effectiveness training in Army defined scenarios.

The EST is used primarily to:

- a. Train and evaluate individual marksmanship Training for initial entry soldiers at the Army Training Centers.
- b. Provide active and Reserve Component unit sustainment training in preparation for individual and crew small arms live fire weapons' qualification.
- c. Provide Active and Reserve Component units a capability to train in Shoot/Don't Shoot situations currently not resourced.
- d. Provide unit collective gunnery and tactical training for static dismounted Infantry, Scout, Engineer, Military Police Squads, and Combat Support/Combat Service Support (CS/CSS) elements.

Functional Description:

Each EST II subsystem consists of an Instructor Operator Station (IOS), modified weapons, floor boxes, high-resolution projector, speakers, camera-detection system, air compressor, screen, and associated cabling and hoses. Weapon modification include an eye-safe laser; sensors to measure trigger pressure, cant and ammunition magazine/ belt status (as well as status of on-off or selector switches); and a compressed air operating system. The Rack Distribution Unit (RDU) located in the IOS serves as the main signal interface between components. Modified rifles, pistols, machine-guns, and shotguns will be modified to work with the systems and rendered incapable of firing live ammunition. Shoot/Don't Shoot, Collective and Marksmanship scenarios are pre-loaded onto each I/O station that is delivered with each subsystem.

APPENDIX A – References

AR 350-38

Policies and Management for Training Aids, Devices, Simulators, and Simulations

AR 350-52

Army Training Support System

AR 710-2

Supply Policy Below the National Level

AR 735-5

Policies and Procedures for Property Accountability

DA Pam 710-2-1

Using Unit Supply System (Manual Procedures)

DA Pam 350-9

Index and Description of Army Training Devices

TRADOC Pam 350-9

U.S. Army Training and Doctrine Command Training Devices for Armywide Use

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APPENDIX B – GTA's and Maps

Number	Name
03-05-015	Chemical Protection & Decontamination
03-06-008	CBRN Warning and Reporting System
03-10-001	CBRN Individual Protective Equipment (IPE)
05-02-012	Protractor & Coordinate Scale
05-02-013	How to find your way
05-02-029	Conversion Factors & Common Formula's
05-02-034	Azimuth-Bearing Grid Magnetic Conversion
05-07-013	Rapid Field Classification Booklet
05-08-001	Survivability Positions
05-08-003	Hazardous Material Spill Procedures
05-08-012	Individual Safety Card (Supersedes 8-5-50, Heat Injury)
05-10-038	Bosnia Mine Card
05-10-051	Afghanistan Mine Identification Cards (69 Cards in the Deck)
07-01-035	MK-19 Disassembly Layout Chart
07-01-036	M9 9mm Disassembly Layout Chart
07-01-038	Infantry Leaders Reference Card
07-01-039	M16A2 Disassembly Layout Chart
07-01-040	M-4 Carbine Disassembly Layout Chart
07-01-041	Conversion Chart for elevation angles to wind speed in knots
07-01-042	M249 Disassembly Layout Chart
07-01-043	Basic Rifle Marksmanship Coach's Card
07-01-044	M240B Disassembly Layout Chart
07-01-045	M16A4 Rifle Disassembly Layout Chart
07-04-006	Building the Company Team for Defense, Infantry Leaders Reference
07-04-008	Linkup Operations, Infantry Leaders Reference
07-06-003	AN/PSN-13 Quick Reference Guide
07-08-001	PASGT and ACH Helmet Proper Wear & Adjustment
07-08-003	Physical Readiness Training Quick Reference Card

07-09-001	MRAP Emergency Rollover/Egress Procedures
07-71-001	Combat Skills for Small Unit Leaders
08-01-004	Medevac Request Form
08-05-051	Preventive Medicine Measures for Company Size Units
08-05-055	Injurious Plants
08-05-056	Tick Bourne Diseases
08-05-060	A Soldier's Guide to Staying Healthy at High Elevations
08-05-062	Army Guide to Deployment Health
08-06-012	Adverse effects of cold cause, symptoms, prevent
08-11-014	(MILES) Casualty Cards (1 box = 5 decks, 100 cards per deck)
09-06-038	M2 Browning Machinegun .50 Caliber Chart
09-12-001	Unexploded Ordnance (UXO) Procedures
10-08-007	.50 Caliber Machine Gun Layout Chart
11-01-007	Send a Radio Message
12-01-003	ACE Suicide Intervention
12-01-006	Suicide Prevention Training Tip Card
17-02-015	Call for Fire
19-04-003	Individual Protective Measures to Combat Terrorism
19-07-001	Enemy Prisoner of War Basic Commands
20-01-001	Cold Weather Smart Card
21-03-009	Code of Conduct Pocket Card
21-03-010	Code of Conduct Chart
21-08-001	Composite Risk Management Quick Reference Booklet
21-08-002	Combat Training Smart Card (CALL)
21-09-001	Post-Traumatic Stress Disorder (PTSD) & Traumatic Brain Injury (TBI)
22-06-004	Army Values/Soldier's Creed Card
22-06-005	Army Values/Ethos Dog Tag
24-01-003	Iraq Culture Smart Card
43-01-030	Small Caliber (5.56mm to .50 cal) Weapons Hot Weather/Desert Operations
90-01-001	Improvised Explosive Device Smart Card
90-01-003	Vehicle Search Techniques Smart Card

90-01-004	Convoy Operations (Logistics)
90-01-015	Explosive Event Initial Response Guide
90-01-040	Reconnaissance Smart Card
90-01-041	Point Man Smart Card
90-01-046	RED DOT - Rapid IED Indication & Warning Dissemination Architecture
V814S	Fort Devens Military Installation Map 1:25,000
V714S	Fort Devens Military Installation Map 1:50,000
V791X14774	Tenino Map 1:50,000

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UNIT:_____

DATE:_____

ADDRESS:_____

CITY/STATE/ZIP: _____

MEMORANDUM FOR Training Support Center, 12 Feinberg Street, Bldg 3574, Fort Devens,
MA 01434

SUBJECT: Request for Training Devices

1. Request the following training devices to support _____

DEVICE NUMBER	NOMENCLATURE	QUANTITY

2. Equipment/training devices will be utilized from_____to_____.

3. Equipment/training devices will be used at:_____.

4. Request ISSUE appointment for _____.

5. Request TURN-IN appointment for _____.

6. TSC account number is_____.

7. Point of contact is_____Telephone:_____.

8. EMAIL Address: _____

9. TSC Email Address: usarmy.devens.93-sig-bde.list.tasc@army.mil

(SIGNATURE OF REQUESTOR)

TSC Manager: 978-615-6060 (O) 978-833-7601 (C)

Material Handler: 978-615-6061 (O)

Fax number: 978-615-6259

NOTICE OF DELEGATION OF AUTHORITY - RECEIPT FOR SUPPLIES <i>For use of this form, see DA PAM 710-2-1. The proponent agency is DCS, G-4.</i>				DATE YYYYMMDD	
AUTHORIZED REPRESENTATIVE(S)					
ORGANIZATION RECEIVING SUPPLIES 321st Mess Kit Repair Company			LOCATION 123 Main Street, Anywhere, MA 01234		
LAST, FIRST, MIDDLE INITIAL		AUTHORITY REQ REC		SIGNATURE AND INITIALS	
Smith, Joseph A. SSG 978-123-1234		YES YES			
Jones, Charlie B. SSG 978-987-4321		YES YES			
Johnson, Harold C. SFC 978-567-1342		YES YES			
/////////////////////////////////NOT USED/////////////////////////////////					
AUTHORIZATION BY RESPONSIBLE SUPPLY OFFICER OR ACCOUNTABLE OFFICER					
THE UNDERSIGNED HEREBY <input checked="" type="checkbox"/> DELEGATES TO <input type="checkbox"/> WITHDRAWS FROM THE PERSON(S) LISTED ABOVE THE AUTHORITY TO: Request and/or Receive Training Aids, Devices, and GTAs as indicated above.					
REMARKS Training Support Center (TSC) Fort Devens, MA 01434 POC Email: Joseph.a.smith.mil@mail.mil					
I ASSUME FULL RESPONSIBILITY					
UNIT IDENTIFICATION CODE WAAAA0			DODAAC/ACCOUNT NUMBER W9998S		
LAST, FIRST, MIDDLE INITIAL	GRADE	TELEPHONE NUMBER	EXPIRATION DATE	SIGNATURE	
Commander, Iam T.	O-3	123-456-7890	YYYY1231		

DA FORM 1687, NOV 2015

PREVIOUS EDITIONS ARE OBSOLETE

APD LC v1.01ES

Last name, first name, middle initial, rank, phone#
DO NOT PUT YOUR SSN IN THESE BLOCKS!

Can be digital or hand written
(includes First name and full last name and date)

Fort Devens Training Support Center DA Form 1687 Example

