TACOM
Unit Training Assistance Program
Warren, Michigan
COMM: 586-282-4276
DSN: 786-4276



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Inside this issue:

LOTTIS Statistics

Updated/New Training 3-4 Materials/Extra Skid Steer and BPDS CD's

Downloading 5-7
Training Material and
Video Instructions

Submitting 8
Training Material
Instructions

UTAP Word Puzzle 9

Marine Corps PM 10-14 TRASYS Article

Newsletter/Links Info 15

Quote of the Day

Anyone who stops learning is old, whether at twenty or eighty. Anyone who keeps learning stays young. The greatest thing in life is to keep your mind young.

Henry Ford



https://utap.army.mil











February 2016

UTAP WELCOME

Welcome to this edition of the Unit Training Assistance Program (UTAP)

Newsletter, UTAP NEWS. For those of you that are new members within the last month, the UTAP team would like to personally welcome you to our program.

CUSTOMER ASSISTANCE TEAM (CAT)

UTAP has a Customer Assistance Team (CAT) that deals personally with your request for assistance. The CAT goes directly to the source with your request and works toward a resolution. Whether you are looking for training material or a solution to a problem that you are having with a TACOM system, CAT's mission is to get you a suitable answer. The CAT can be reached in several ways:

LOTTIS home page, Under "Customer Assistance Tab/Contact Us" Link

By e-mail at: <u>usarmy.detroit.tacom.mbx.ilsc-utap@mail.mil</u>

By phone at Comm: 586-282-4276

DSN: 786-4276

News Articles/Training Material

Attention Members: If you have a news article that you would like inputted into UTAP News, please send your article to UTAP's e-mail address at usarmy.detroit.tacom.mbx.ilsc-utap@mail.mil or under the "Contact Us" Link located on LOTTIS home page, by the 15th of each month.

Training Material

Do you have training materials that you would like to share with LOTTIS members? If so, click "Submit Training Material to LOTTIS" Link located on LOTTIS Home Page or contact the Customer Assistance Team at UTAP's e-mail address above. Page 8 gives instructions on how to submit training material within LOTTIS.

Page 2 February 2016

LOTTIS STATISTICS

January 2016 LOTTIS Statistics

New Members Number of Files Viewed/Downloaded

228 4910

Five Most Popular Training Materials Viewed/Downloaded

- I. Driver's Training
- 2. HMMWV
- 3. MSD V3
- 4. LTAS
- 5. Rigging

Three Most Popular Newsletters Read

- I. UTAP News
- 2. Hip Times
- 3. EMS Insider

Updated Newsletters Loaded Into LOTTIS

- I. EMS Insider
- 2. MCCLL January 2016

New changes coming to LOTTIS within the next six months. So as to not overwhelm our customers of the new changes, each month we will post a couple of new changes that will take place.

- The look and navigation of the site.
- The name change of LOTTIS

Page 3 February 2016



ARMY/MARINES

The following updated/new training materials were uploaded under the Army/Marines Tab in LOTTIS—January 2016:

310 Small Unmanned Ground Vehicle (SUGV) Mini-EOD

OPNET

Pocket Guide Master Student Guide



510 PackBot FasTac OPNET

Operator Checklist Student Guide



Talon Man Transportable Robotic System (MTRS) IV

OPNET

OPT GTA Card



Page 4 February 2016

Updated/New Training Materials

The following training material was uploaded under the Army Tab in LOTTIS:

Vibratory Plate Compactor (VPC) OPNET

Operation

FLMNET

Maintenance



Mortar Fire Control System (MFCS) FLMNET

MI50 Barrel Clamps Part I of 2 MI50 Barrel Clamps Part 2 of 2

AGT 1500 Maintenance Supplemental

FOD Water

FOD Water Part I

FOD Water Part 2

EXTRA Skid Steer Loader CDs and Berminghammer Pile Driver System (BPDS) Operated by the All-Terrain Crane (ATEC) AT-422T CBIT CDs

UTAP still has extra Final Operator and Maintenance Training Heavy Type II (M400T) and Light Type III (M400W) Skid Steer Loader CDs and also has extra BPDS CBIT CDs. If your unit would like one of these CD's, send POC name and work mailing address to:

usarmy.detroit.tacom.mbx.ilsc-utap@mail.mil

and a CD will get mailed to your unit.

*The BPDS CD can only be viewed on a stand-alone computer or an MSD V2 or V3.

Page 5 February 2016

LOTTIS Downloading Instructions Keyword Search

On this page, and the next two, are examples of how to locate training materials in LOTTIS, either by Keyword Search or under Categories Column. As always though, if you need assistance, click on the Customer Assistance Request Tab and submit your inquiry on what you need assistance with and the LOTTIS Customer Assistance Team will be happy to assist.

- (I) Go to LOTTIS at https://utap.army.mil
- (2) On the Sign-in Page, click on I Agree
- (2) On LOTTIS home page, click on either the Army, Marines, or Navy Tab
- (3) In the Keyword Search Icon, type in the piece of equipment you are looking for by either spelling out the piece of equipment, using acronyms, NSN (without the dashes) or LIN, then click on **Search**
- (4) Once the file appears, click on "Click here to get details" then scroll down the page and you will see the training material files on hand.





Page 6 February 2016

LOTTIS Downloading Instructions Categories

- (I) Go to LOTTIS at https://utap.army.mil
- (2) On the Sign-in Page, click on I Agree
- (3) On the LOTTIS Home Page, click on either the Army, Marines, or Navy Tab
- (4) Under "Categories" Column, click on the piece of equipment you are looking for
- (5) Under "Sub-Categories For" Column, click on the piece of equipment you are looking for
- (6) Under "End-Categories For" Column, click on the piece of equipment you are looking for and then scroll down the page to see the training material files on hand.





Categories

Amm Violencent Scrietms Arctifers, Sections Bridges, Sections Bridges, Sections Control Scrietms Control Experience Control Co

Sub-Categories For

<u>Assured Mobility Systems</u>
Heavy Wheel Tactical Vehicles and Trailers
<u>Light Wheel Tactical Vehicles and Trailers</u>
Medium Wheel Tactical Vehicles and Trailers
Mine Resistant Ambush Protected (MRAP)
Stryker Brigade Combat Team
Tactical Vehicle and Trailer Accessories

End Items For

Interim Vehicle Mounted Mine Detector (IVMMD)
Joint EOD Rapid Response Vehicle (JERRV)
Medium Mine Protected Vehicle (MMPV)
Medium Mine Protected Vehicle (RG-31)
Mine Protected Clearance Vehicle (Buffalo)
Vehicle Mounted Mine Detection (VMMD) MK III (Husky)
1 - 6

Page 7 February 2016

LOTTIS Downloading Instructions Videos

- (I) Go to LOTTIS Home Page at https://utap.army.mil
- (2) On the Sign-in Page, click on I Agree
- (3) Click on the Videos Tab
- (4) Under the "Army Items with Videos Updates" Column, click on the piece of equipment you are looking for
- (5) Under the "Equipment" column, click on the video and either click on Open or Save (down arrow) tab (located at the end of the page) to view the video





Page 8 February 2016

LOTTIS Submitting Training Materials

If you have training material that you would like uploaded into LOTTIS, please follow the below instructions:

- (I) Go to LOTTIS Home Page at https://utap.army.mil
- (2) On the Sign-in Page, click on I Agree
- (3) Scroll down to the left hand side of the page
- (4) Under the Column, Submit Training Material, click on the Submit Training Material to LOTTIS Icon
- (5) Then follow the instructions on uploading files



For Official Use Only(FOUO)



Number of files downloaded:

Library Of TACOM Training Information Site (LOTTIS)

TACOM, LCMC, IL.SC, UTAP AMSTA-LCF-MU, MS 104 6501 East 11 Mile Road, Warren MI 48397 Comm - 586-282-4276 DSN - 312-786-4276



Tactical Drivers Training Course (Advanced)
Tell A Friend About UTAP Services
LOTTIS TUTORIAL

nks Contact Us Update Profile
Help Logout

Does your Unit need Sustainment or Refresher Training on TACOM Equipment? Click here to request information.

Home | Newsletters/Posters | Customer Feedback | M9 ACE News | EMS Insider | Moving Dirt | HMMWV FOV | HIP TIMES | MCCLL NEWS | MSD NEWS |

Submit Training Material

Do you have training material that would benefit other field personnel that use TACOM equipment? If so, click the Submit Training Material To LOTTIS button below and follow the instructions.

Your submission will be reviewed by the UTAP Team and, if acceptable, the material will be added to the LOTTIS web site.

If you have any questions contact us at 586-282-4276 or usarmy.detroit.tacom.mbx.ilsc-utap@mail.mil

Submit Training Material To LOTTIS

Disclaime

This material is NOT intended to replace institutional training or New Equipment Training by the Program Manager and therefore will NOT qualify you for any Additional Skill Identifier (ASI).

The training material on this site should be used to SUPPLEMENT training in the operational domain.

nstructions

Use the file Browse button below to upload a file.

Please explain why you think these files would be of value in the comments field. The UTAP team will review your file and load it into LOTTIS if acceptable.

ARNING! - LOTTIS is an FOUO site.

DO NOT upload any material classified higher than FOUO nor any material which may contain Personal Identifiable Information (PII).





Page 9 February 2016

UTAP Word Puzzle

Great Job Chief Reese, Mr. Bragg, Mr. Sugai, CPT Woody, Mr. Callender, Mr. Standard, Mr. Kelsch, Chief Cameron and Mr. Lantry on completing and turning in January's UTAP Word Puzzle! If you would like to see your name in March's UTAP NEWS, finish the below word puzzle and e-mail it back to <u>usarmy.detroit.tacom.mbx.ilsc-utap@mail.mil</u> **Good Luck!**

Т	С	M	E	J	С	F	L	A	Т	R	A	С	K	I
N	M	M	L	Z	0	E	Ν	I	Z	A	G	A	M	L
Ε	J	R	E	D	Ν	I	F	E	G	Ν	A	R	A	N
M	V	D	Η	R	Τ	В	0	G	Η	S	Y	В	0	Τ
Т	С	N	Χ	0	A	Ν	Р	V	D	Ν	0	I	Р	A
A	A	U	F	M	M	M	Ε	L	S	R	Т	0	Ε	R
Ε	V	0	G	Y	I	Ν	Z	M	A	С	R	M	Y	G
R	I	R	R	Ε	Ν	L	Z	Τ	Ε	Τ	Р	Y	Y	Ε
Т	A	G	Z	K	A	Т	0	Т	A	L	F	M	Р	Τ
Y	Т	A	S	K	Τ	R	Ε	L	A	0	Р	0	M	R
U	I	A	Ε	S	I	D	A	С	I	I	D	Р	R	G
D	0	D	Ν	E	0	P	E	D	L	L	Χ	J	U	M
С	N	Т	S	K	Ν	D	A	M	В	I	Ε	Ν	Τ	S
J	С	Χ	Η	M	Ε	R	K	R	D	J	K	Q	Т	Η
D	L	Ε	I	Η	S	R	L	G	Η	A	U	L	В	С

AMBIENT
EMPLACED
KEYWORD
PORTAL
SUPPLEMENT

AVIATION FLATRACK LABORATORIES RADIO TANKER

CONTAMINATION GROUND MAGAZINE RANGEFINDER TARGET DETECTION HAUL PLATFORM SHIELD TREATMENT Page 10 February 2016

Program Manager Training Systems Orlando



Program Manager, Training Systems (PM TRASYS) Orlando, consists of devices used to assist in the combat training, support, and education of uniformed Marines. These devices cover a wide range of categories from virtual trainers and live ranges, to learning software and video review systems.

Training systems provide the United States Marine Corps with the capability to host safer and more cost effective training. Training systems make up the majority of the PM TRASYS acquisition and sustainment program portfolio. The current, PM TRASYS training systems alignment includes three divisions:

- Collective Training Systems (Maj Richard Cushing, USMC, Product Manager)
- Individual Training Systems (Mr. Anthony Carbonari, Product Manager)
- Range Training Systems (Mr. Luis Garcia, Product Manager)

This article is dedicated to the current Indoor Simulated Marksmanship Trainer (ISMT). ISMT was developed based on a 1993, a Mission Needs Statement (MNS) for a small arms marksmanship training capability and a 1998 Operational Requirements Document (ORD), Change 2, approved 10 Apr 1998, which established the requirement for a deployable, interactive, indoor training simulator for preparatory and sustainment training for Marines in basic and advanced marksmanship, using infantry weapons. The ISMT requirement includes:

- Shoot/no-shoot judgments
- Weapon employment tactics
- Tactical decision making

The ISMT systems are installed at Marine Corps bases and U.S. embassies worldwide and enable proficiency with small arms to be maintained at minimal cost. Spanning two decades and multiple iterations, the ISMT has become the backbone of United States Marine Corps (USMC) small arms simulated training. In addition to providing an avenue for supporting initial and sustainment training relating to marksmanship events, the ISMT enables specific tactical/combat skills reinforcement, lanes training, and indirect fire training.

The ISMT provides a variety of static marksmanship targets at various ranges and enables instant feedback regarding the accuracy of each shot. Accuracy in this regard depends on a computer-generated algorithm for a specific, simulated weapon projectile tracing known, actual projectile performance at varying ranges. The ISMT also provides a hands-on, immersive training environment in which a series of computer-generated, video-based, projected scenarios depict selectable combat environments. Each scenario environment is populated with a predetermined mix of combatants and non-combatants as possible targets. Learning to discriminate between friendly and hostile forces is one of the most important skills supported by the ISMT, which involves split-second interpretation of the actions and physical attributes of individuals within each group.

Page II February 2016

Program Manager Training Systems Orlando



The ISMT enables Computer Generated Imagery (CGI) simulations of the environment that include, but are not limited to, geographical features, buildings, vehicles, flora, fauna, human beings, and weather conditions. The system can simulate the external physical appearance and motion of more than 100 types of wheeled and tracked ground vehicles (both military and civilian) including military vehicles of the United States, North Atlantic Treaty Organization (NATO) members, United Nations (UN) member nations, and the former Soviet Union. The system can also display a maximum of 41 aircraft in the background, depending on screen size. The ISMT provides small arms training in enhanced marksmanship, weapons employment, indirect fire, and tactical decision making for all Marines. The ISMT training system consists of several software and hardware components, with various simulated infantry weapons that enable Marines to engage numerous target types in lanes, video, and CGI tactical environments. The ISMT system simulates range firing qualification events, tactical employment events, and shoot/no-shoot decision-making.

The ISMT has the capability to project video images; a library of 300 video scenarios depicting typical USMC combat situations. These existing video scenarios can be supplemented with mission/unit-specific, locally generated CGI scenarios.



The ISMT is used by:

- Formal Schools
- Recruit Depots
- Marine Corps Embassy security Group (MCESG)
- Weapons Training Battalions (WTBNs)
- Marine Force Reserve (MFR) Units
- Opposing Force (OPFOR) Units

Page 12 February 2016

Program Manager Training Systems Orlando

ISMT is also used by Marine units aboard Navy ships to train Marines and Navy personnel, making ship deployment time available for training. Using a virtual environment, the ISMT supports meeting the training requirements set out by the relevant Training and Readiness (T&R) manuals and the ISMT Performance Specification. The ISMT is also intended to support the training standards listed in the ISMT ORD. Depending on where it has been installed, a single ISMT can train up to 5 Marines (lanes training) or 8 Marines (CGI-scenario training).

ISMT Configuration Control (CC)/Configuration Management (CM) is maintained through both Weekly Reports and Monthly Usage Data Reports sent to Program Manager, Training Systems (PM TRASYS) from field installations worldwide. These reports include usage details regarding the number of trainees who use a specific weapon, the number of rounds fired, and any systems down for maintenance or repair. Any emerging training or systems problems of either a small or large scale are thus addressed in a timely manner. The Usage Report details:

- Cost Avoidance of simulated versus live fire
- Emerging problems
- The number of rounds expended
- The number of shooters from a particular Unit
- Weapons fired from a particular system

The PM TRASYS Cost Avoidance Team tabulated the data of rounds fired annually worldwide for a specific weapon to determine cost avoidance savings as a result of using the simulated device. For example, in FY14 the ISMT AT-4 usage at seven major bases equaled 69,645 rounds fired, and the FY14 total for the Shoulder-fired, Multi-purpose Assault Weapon (SMAW) was 83,022. These figures can then be compared regarding Planned versus Actual Use at one base or all bases. This data is sent to management at both Training and Education Command (TECOM) and PM TRASYS, and can be used to determine emerging trends.

PM TRASYS is presently conducting a verification and validation (V&V) of the ISMT to establish Government confidence that the ISMT training system:

- Meets the requirements of the contract and CPD (Ref. 2)
- Enables validation through conducting a simulated weapon Fidelity Assessment
- Meets the Warfighter's training objectives

The V&V effort is broken down into three reports to cover Small Arms, Machine Guns, and Rockets and Mortars. The V&V will include surveys from major USMC bases and Marine Force Reserve (MFR) units, as well as one-on-one interviews with on-site SMEs. The V&V lists the following known capabilities of the ISMT system:

Page 13 February 2016

Program Manager Training Systems Orlando

• Allows for a variety of infantry weapons to be fired simultaneously by multiple shooters.

- Allows immediate knowledge of results of shot accuracy via both scoring and visual confirmation—without having to go downrange or make radio/phone contact.
- Allows virtually unlimited rounds to be fired for practice with little additional cost.
- Enables automatic feedback on more parameters, such as weapon cant, than can be witnessed by an Instructor of several Trainees on a live range.
- Enables best-practice execution of safety-related procedures in a non-threatening environment.
- Enables close, real-time Instructor intervention to solve specific shooter difficulties.
- Enables execution and After-Action Reviews (AARs) of individual and combined-arms squad performance in simulated tactical engagements.
- Enables indirect fire communication and coordination practice (involving FO-Fire Crew-FDC)
 for the 81mm mortar if the facility is set up in advance with the necessary communications
 gear and personnel.
- Enables individual remedial training for observed shooter deficiencies.
- Enables informal marksmanship practice as time and space allow.
- Enables inter-unit competition for best scores without external bias in grading.
- Enables practice and repetition of T&R tasks in a safe, cost-effective environment until task standards are met.
- Enables practice of zeroing and shooting that involve advanced optics and night vision devices.
- Enables timed practice regarding enemy weapon and vehicle identification.
- Enhances safety, as very few accidents can occur in the controlled ISMT environment.
- Offers an excellent environment for initial weapons familiarization.
- Offers practice with donning and removing Chemical-Biological-Radiological-Nuclear/Mission-Oriented Protective Posture (CBRN/MOPP) gear in a timely manner, and in an airconditioned and non-threatening environment.
- Offers virtually unlimited pre-live-fire qualification refresher training.
- Offers crew-served weapons communication and coordination practice in a controlled environment.
- Offers practice with donning and removing Chemical-Biological-Radiological-Nuclear/Mission-Oriented Protective Posture (CBRN/MOPP) gear in a timely manner, and in an airconditioned and non-threatening environment.
- Offers virtually unlimited pre-live-fire qualification refresher training.

Page 14 February 2016

Program Manager Training Systems Orlando

The improvements provide Marines with the most realistic training to date, bringing them as close to combat as possible without putting them in the line of fire. That translates into a deadlier, more efficient force by preparing even newly minted Marines, who have never seen combat, to execute missions when bullets start flying.

This article is not all inclusive, but is meant to provide an idea of the services ISMT can offer. To learn more about ISMT and other PM TRASYS (products, services, systems, and support) select the following link for the current catalog: http://www.marcorsyscom.marines.mil/ProgramManagementOffices/PMTRASYS.aspx

PM TRASYS Points of Contact:

B usiness Office	Mr. Martin Bushika, PM TRASYS Operation Office Email- <u>martin.e.bushika I @usmc.mil</u> (407) 380-4713
Individual Training Systems Product Manager	Mr. Anthony Carbonari Email-anthony.carbonari@usmc.mil (407) 381-8764
ISMT Project Manager	CW04 Matthew J. Harris Email: Matthew.harris@usmc.mil (407) 380-4269

Article By:
Page Lutchman (PM TRASYS) and
Ted Wiegel (TAPE Services)

Page 15 February 2016

NEWSLETTERS/LINKS INFO

For additional reading, check out the variety of newsletters located in LOTTIS:

- M9 ACE News
- EMS Insider
- Moving Dirt
- HMMWV FOV
- HIP Times
- MSD News
- MCCLL Newsletter



These newsletters can be read by clicking on the name of the Newsletter Tab located on LOTTIS home page (next to the Customer Feedback tab). The newsletters arrange from the most current to the first ones that were ever published. Check them out today!





Check out the **Link Icon** located on the right side of LOTTIS home page where you can find valuable government training and military links!

AKO
ATN
Anniston Army Depot
Army Publishing Directorate
Communications-Electronics Command
DA G4
Driver's Training Toolbox
EMS NG

JACKS
USAREUR Drivers Training
CASCOM

Stars and Stripes

Land War Net LIW

MRAP Safety Awareness

Motor Pool NSRDEC

Mortar Systems

PD TMDE

MCCLL

PM Individual Weapons

Warrior University REP

PM SKOT

PS Magazine

Public Health Command

Range & Weapons Safety

Red River Army Depot Rock Island Arsenal

Sierra Army Depot

TULSA

U.S. Army Safety Center

PQDR

Defense Imagery

Customer Feedback

We would love to hear from you! If you have a suggestion that could improve our program or a comment on what you like or dislike about our program, please send us your thoughts thru our "Customer Feedback" Link located on LOTTIS Home Page.