

Training Aids, Devices, Simulations, Simulators



USAG, DPTMS, FORT HOOD, TX.

**FORT HOOD TRAINING SUPPORT CENTER
2016
DIGITAL CATALOG**

<http://www.hood.army.mil/tsc/>

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TRAINING SUPPORT CENTER CATALOG

Welcome to the world of Fort Hood's Training Support Center (TSC)! We, at the TSC are proud to present the 2015 Training Support Center Catalog in an electronic format. Our purpose is to provide every supported Unit and Soldier with the right training support product at the right time to make your training at Fort Hood real and relevant.

Accessing our catalog through the web permits users to selectively scan and print the pages that pertain to their training requirements. The web site also offers us the opportunity to provide interim updates as new products become available. A CD-ROM version is available to those that do not have web access. We're confident that the information in the catalog, coupled with the information on our web pages, will provide you, our valued customers, with the most comprehensive and up-to-date information possible.

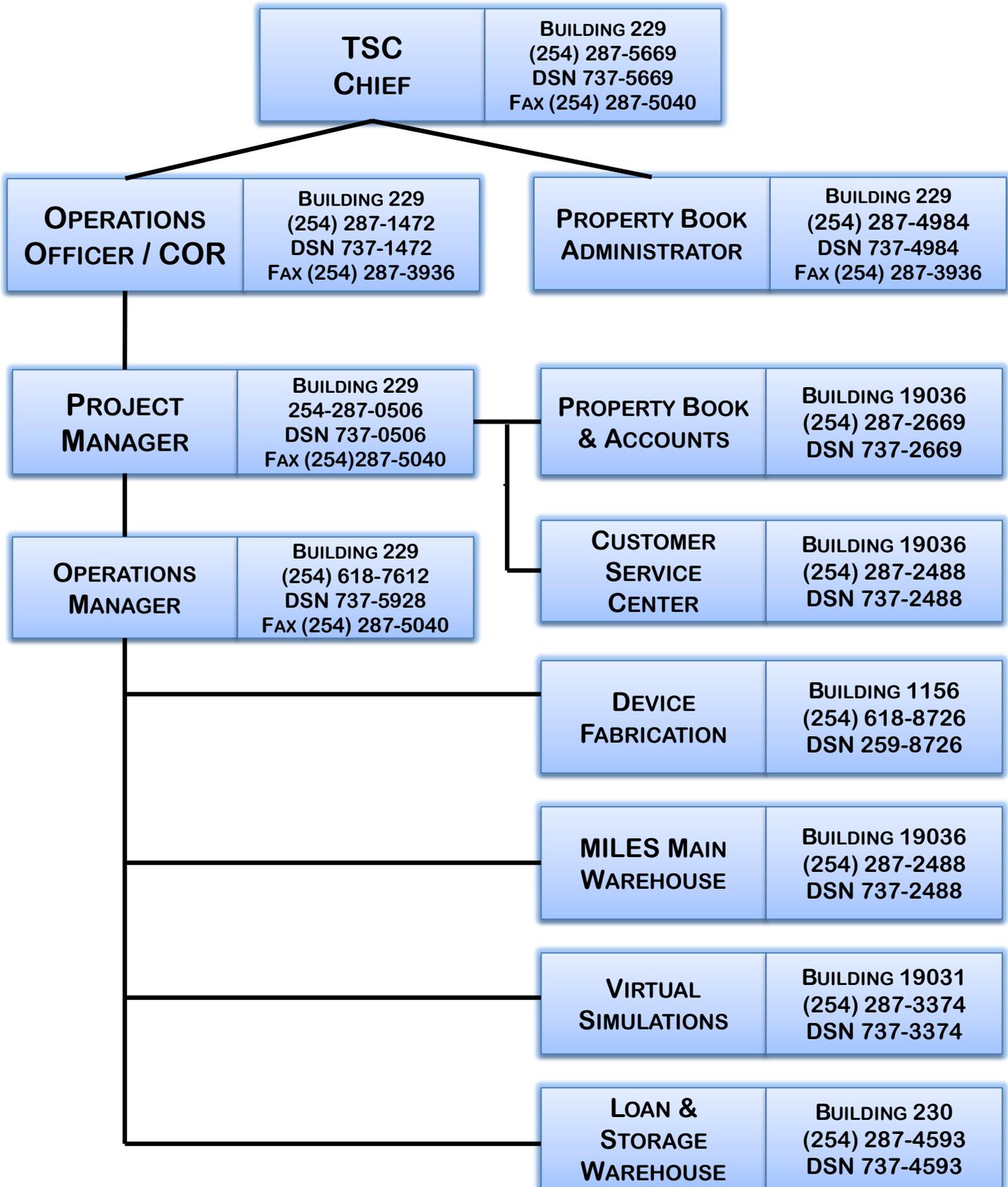
Please don't hesitate to call our Customer Service Center at (254) 287-2488 for information and expert guidance on all TSC products and services. Our Customer Service Center operating hours are Monday through Friday, 0730-1600. We frequently provide after-hours services if the need arises.

Our most valuable resource, our TSC team members, are committed to provide you products and services of the highest quality every time. Your feedback comments and valuable suggestions are always welcome and help us to achieve this goal. The Fort Hood Training Support Center team takes great pride in satisfying our customers training needs.

Your training success is our business!

PHONE LIST AND ORGANIZATION

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TSC AREA OF RESPONSIBILITY

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ALPHABETICAL LISTING OF TEXAS COUNTIES SUPPORTED BY FORT HOOD TSC

Anderson	Eastland	King	Runnels
Andrews	Ector	Knox	Rusk
Angelina	Ellis	Lampasas	San Jacinto
Archer	Falls	Lee	San Saba
Baylor	Fannin	Leon	Shackelford
Bell	Franklin	Limestone	Schleicher
Borden	Erath	Llano	Scurry
Bosque	Fisher	Lubbock	Smith
Brazos	Freestone	Lynn	Stephens
Brown	Gaines	Madison	Sterling
Burleson	Garza	Martin	Somervell
Burnet	Glasscock	Mason	Stonewall
Callahan	Grayson	McCulloch	Sutton
Camp	Gregg	McLennan	Tarrant
Cherokee	Grimes	Menard	Taylor
Clay	Hamilton	Midland	Terry
Cochran	Haskell	Milam	Throckmorton
Coke	Henderson	Mills	Tom Green
Coleman	Hill	Mitchell	Titus
Collin	Hockley	Montague	Trinity
Comanche	Hood	Montgomery	Tyler
Concho	Hopkins	Morris	Upshur
Cooke	Houston	Nacogdoches	Upton
Coryell	Howard	Navarro	Walker
Crane	Hunt	Nolan	Washington
Crockett	Irion	Palo Pinto	Williamson
Crosby	Jack	Parker	Wise
Dallas	Johnson	Polk	Wood
Dawson	Jones	Rains	Yoakum
Delta	Kaufman	Reagan	Young
Denton	Kent	Robertson	Van Zandt
Dickens	Kimble	Rockwall	

Total Counties Supported: 127

HOW TO ACQUIRE TSC PRODUCTS & SERVICES

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SERVICES	FILL OUT	SUBMIT	PHONE #	COMMENTS
<u>VIRTUAL SIMULATIONS:</u> CFFT FSCATT EST 2000 HEAT CDT/MV / Stryker MET VCTS	RFMSS Request	RFMSS	PH (254) 287-3374	» Plan 4 to 6 weeks out for best results » Be sure to meet all I/O requirements before scheduling.
TSC PROPERTY BOOK AND ACCOUNT MANAGEMENT	DA Form 1687	PBO BLDG 19036	PH (254) 287-2669	» DA Form 1687 for signature authority
CLASSES	FILL OUT	SUBMIT	PHONE #	COMMENTS
<u>TADSS FAMILIARIZATION TRAINING:</u> CTSV-CMUR TSV MILES	FH Form 7021	MILES MAIN BLDG 19036	PH (254) 287-2488	» Call to arrange date/time
<u>INSTRUCTOR/OPERATOR CLASSES:</u> EST II HEAT CFFT FSCATT CDT/MV MET	Call to Schedule	OFT BLDG 19031	PH (254) 287-3374	» Call for dates/times » Plan 4 to 6 weeks out for best results » Some classes are limited in size.
PRODUCTS	FILL OUT	SUBMIT	PHONE #	COMMENTS
HITS	RFMSS Request	RFMSS	PH (254) 287-3374	» Request must be submitted 45 days in advance
MILES XXI PGS TSV I-MILES CREW Devices	FH Form 7021	MILES MAIN BLDG 19036	PH (254) 287-2488	» Submit request at least 45 days in advance » Major exercises will require 105 days in advance
All non-MILES TADSS GTAs	FH Form 7021	Loan & Storage BLDG 230	PH (254) 287-4593	» Submit request at least 2 working days in advance
Training Device Fabrication	FH Form 7022	Customer Service Center BLDG 19036	PH (254) 287-2488	» Plan ahead as we are usually booked 3 months out

TSC PROPERTY BOOK AND ACCOUNTS

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TSC Property Book Section **Bldg 19036 North Ave.** **PH: (254) 287-2669**

TSC ACCOUNTS

What is a TSC Account? A TSC account establishes property accountability. This in turn authorizes the release of products and services for your Unit. The following information provides some simple steps and guidelines that will keep your TSC account up to par!

Here are some simple rules:

- Only ONE account per battalion, squadron, or detachment.
- Up to 8 authorized signatures per company level Unit (2 x DA Forms 1687's). Typically, up to 32 authorized signatures per battalion (8 x DA Form 1687's).

Establish an account:

- Complete a memo to the TSC Chief (see our PBO in Building 19036).
- Complete DA Form 1687, Delegation of Authority (3 copies), signed by the designated TSC Battalion Account Holder (E-6/GS-5 or above).
- Up to 8 personnel per company level Unit may be authorized to Request/Receive property.
- Must be within the geographic responsibility of Ft. Hood (AR 350-52).

Change/Renew an account:

- Conduct joint 100% inventory of all TSC equipment on hand receipt at change of TSC account holder.
- Submit new memo to the TSC Chief (see our PBO in Building 19036).
- Submit new DA form 1687 at change of TSC account holder or authorized personnel on the account.
- Discrepancies reported on relief documents and updated DA Form 2062 is signed.
- A lapsed account could result in a frozen account. File new DA Form 1687 annually with authorized signatures if account is more than one year old. If you forget, we will notify your battalion account holder.

Close an account:

- Accounts are closed if they expire, are no longer required, or upon Unit inactivation. Turn-in loaned equipment and account for property to the TSC.

TSC PROPERTY BOOK AND ACCOUNTS

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Delinquent Accounts

While we're on the subject of accounts, let's talk about delinquent accounts. An account is delinquent whenever you are late in turning in either MILES/TADSS equipment or individual training aids (including non-expendable GTAs).

Failing to turn-in training aids on time is a lose-lose situation.

- Your Unit looks bad, the chain of command is embarrassed and no one is happy.
- You cannot borrow any additional equipment from any warehouse without special authorization.
- Another Unit is deprived of equipment that they have reserved for training.

Property Accountability

Property Accountability is important. Damage/Loss of loaned TSC equipment can cause the account to be in jeopardy. Following these rules will keep your account in the clear.

- The battalion account holder is responsible for the entire account. This means that he or she must initiate the Financial Liability of Property Loss Investigation, if required.
- Damage/Loss of TSC equipment requiring a Commander's Statement must be signed by the Company Level Commander and reviewed by the Battalion Commander. Refer to AR 735-5 or contact our property administrator at 287-2669 for details or a sample damage statement.
- **Your account must be renewed annually.**



Remember... keeping your account clear and on time is a win-win for the Fort Hood training community!

CUSTOMER SERVICE CENTERS

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The vast majority of Soldiers who come in contact with TSC products and services will make contact through our customer service representatives.

TRAINING DEVICE FABRICATION AND MILES

CUSTOMER SERVICE CENTER

☎ Call (254) 287-2488 for information

Located in Bldg 19036 at North Ave.

Place work orders for Training Device Fabrication and MILES and Gunnery training aids or for expert information and guidance for all your training needs. The Training Device Fabrication and MILES Customer Service Center is open from 0730-1600 hours, Monday through Friday to include training holidays to take care of customer requests.

VIRTUAL SIMULATIONS CUSTOMER SERVICE CENTER

☎ Call (254) 287-3374 for information

Located in Bldg 19031 on 53rd Street

TSC Virtual Simulations are scheduled through the Range Facility Management Scheduling System (RFMSS) under Range ID "TSC." The customer service representative can assist Units with RFMSS scheduling or provide expert information on customer requirements for the use of all TSC Virtual Simulation systems. The Virtual Simulations Customer Service Center is open from 0730-1600 hours, Monday through Friday to include training holidays to take care of customer requests.

CUSTOMER SERVICE CENTERS

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RFMSS SCHEDULING OF TSC SIMULATIONS

TIPS TO REDUCE CONFLICTS WHEN SCHEDULING ON RFMSS

- Ensure Unit has certified operators to run the virtual simulator.
- Always begin the new request from the **two week calendar** to ensure the facility is available and no conflict exists.
- **Must have 1 request for each day of use requested.**
- Must include start and end times with your dates.
- Provide a reliable POC and phone number.
- Include additional Unit data (Company, Battalion) under the “User Fields” tab.
- Provide I/O Rank and Name for requested system.
- Please follow up your request by checking the status either on RFMSS or by calling the scheduling office at 287-3374.
- If your request is still pending after 24 hours then there is an issue and we haven't been able to get a hold of anyone with the listed phone numbers on the request to resolve it.
- The more information that you provide us on the request, the better we can serve your training requirement.

FILL OUT THE REQUEST COMPLETELY

https://rfmss.hood.army.mil/?startDate=29/07/2010&endDate=29/07/2010&deskId=10005 - RFMSS - Windows Internet Explorer pro

Scheduling: Request LOCAL ZULU

RCNI* NEW Unit* Start Date 29/07/2010 00:00 L Sponsor ID
Priority End Date 29/07/2010 00:00 L POC Person ID
Request Type* REQUEST Days Until Training 2 Submitted Date POC Phone Number
Installation* FORT HOOD UNIT POC PHONE NUMBER

Submit Request Exit (no save)

Action	Standard	Continuous	Air	Status	Sub-Status	Fire Desk	Facility/Airspace Subdivision	Event Name	Start Date	End Date	Max Facility / Airspace Subdiv Altitude (MSL ft)
new edit delete	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	RES		TSC	EST 10.E		29/07/2010 00:00 L	29/07/2010 00:00 L	1000

Communications Vehicle Conflict Restriction Support **User Fields*** History

Action	Memo Text	User Name	Memo Date
No data to display new			

TRAINING DEVICE FABRICATION SHOP

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The TSC Training Device Fabrication Shop Bldg 1156 on Hell on Wheels Blvd just off 27th ST. PH: (254) 618-8726

The Training Device Fabrication Shop provides a local design and fabrication capability for training aids and devices not available through normal supply and equipment channels.

Examples of items fabricated:

- Terrain Boards, Map Boards, METL Boards, Sand Tables
- Training Mines and Training IEDs for recognition training
- Functional triggers to be used with Training IEDs
- Mock-ups
- Land Navigation field stakes



EFP Array in Fake Rock Training IED



Terrain Model



Dead Dog Training IED

Requesting Fabrication:

Request for device fabrication are submitted on FH Form 7022 to Customer Service Center located in building 19036 (MILES Main Warehouse) or directly to the Training Device Fabrication Shop. For repair or maintenance of any locally produced training aid or device, make coordination with shop personnel. Consultations are provided upon request for complex items or if you're unsure of what exactly you need for your training requirement. **Any items requested must not be available through normal procurement channels or on the open market.**



Things to know:

- Please note that all training aids and devices produced by the TSC Device Fabrication Shop are the property of the U.S. Army.
- Submit request well in advance as we are usually booked 3 months out.
- Request must support training requirements.



Mock MRAP (WSTC)

LOAN & STORAGE WAREHOUSE

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The TSC Loan & Storage Warehouse Bldg 230 on 42nd Street and Battalion Ave PH: (254) 287-4593

The Loan & Storage Warehouse provides a wide selection of equipment for short-term loan. A complete listing of TADSS can be found in this catalog.

Key Training Aids and Devices:

- First Aid Training Aids
 - Resuscitation Manikins
 - IV Arms
 - War Wound/Moulage Kits
 - Rescue Randy Manikins

- Preparatory Marksmanship Instruction (PMI) Training Aids
 - Rifle Rest
 - Target Paddles
 - Riddle Device
 - M16/M4 Sighting Device
 - Laser Marksmanship Training System (LMTS)



Ordnance Kit



Mock Rifles

- Simulated Tank & MGS Rounds
 - 120mm/105mm
 - Sabot
 - HEAT
 - MPAT

- Sub-caliber and Marking Round Conversion Kits
 - AT4 Sub-caliber trainers
 - Aimtest 120mm/105mm Sub-caliber trainer
 - Close Combat Mission Capability Kit (CCMCK) marking round conversion kits
 - M9 conversion bolt
 - M16/M4 conversion bolt
 - M249 conversion bolt



War Wound Kit

LOAN & STORAGE WAREHOUSE

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- Other Training Aids and Devices
 - Plastic M16/M4 1:1 Scale Replicas
 - Funeral Detail Coffins and Flags
 - Small Arms Noise Simulator
 - Artillery/IED Noise Simulator
 - Vehicle ID kits
 - Grenade ID kits
 - Training IED recognition kits
 - Arabic Attire for role playing

Request:

Request for TADSS should be received by the Loan & Storage Warehouse a minimum of **two working days** prior to the scheduled date of pick up. TADSS request forms are available at the Loan & Storage Warehouse.



Artillery/IED Noise Simulator



Mock Suicide Bomber Vest



Cultural Attire for Role Playing



T120 IED Simulator



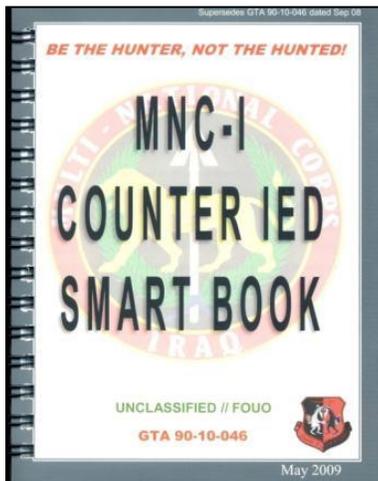
Things to Know:

Request for loans should be submitted on FH Form 7021 directly to the Loan & Storage Warehouse Units outside of Fort Hood can submit by email. The period of loan should be requested only for the dates that the items are required to support instruction or training and will be indicated on the loan request.

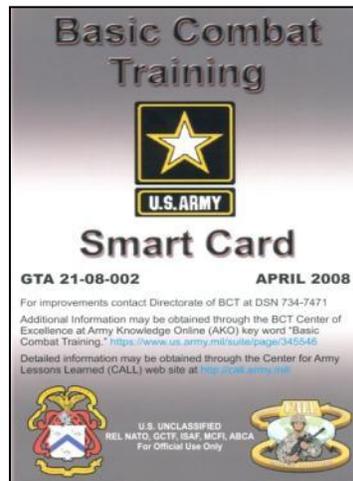
Items should be returned on the due date so that the equipment can be made available to other Units or organizations. Units or organizations not returning items on the date indicated on the request are considered **DELINQUENT** and could result in the freezing of the entire TSC account.

The TSC Loan & Storage Warehouse Bldg 230 on 42nd Street and Battalion Ave PH: (254) 287-4593

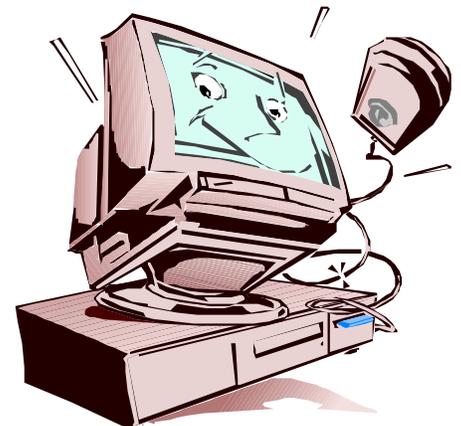
- We have a large selection of GTAs in stock for issue. If we don't have it – we can get it, generally within two weeks.
- You do NOT have to be on signature card to get a majority of GTAs available.
- Some GTAs are *non-expendable*. That means that they are loaned and returnable. You DO have to be on Signature Card, DA Form 1687 to sign for these GTAs.
- Request GTAs on TSC Form LS 06, available at Loan & Storage Warehouse



Example GTA



Example GTA



GTAs On-Line

If we don't have what you need and you need yours right away try getting them on line. Central Army Registry (CAR) log into AKO select the "My Training" tab search for the keyword GTA.

Disclaimer for External Link

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TSC MILES Main Warehouse

Bldg 19036 North Ave and Rod & Gun Club Loop

PH: (254) 287-2488

The TSC MILES Warehouses provide the following:

- Loan, Issue, Receive, Store, and Maintain MILES and Gunnery Systems
- Provide Familiarization Training
- Provide field support for Force-on-Force Training and Gunnery Through Contact Teams in the field



Things to Know:

Request for TADSS equipment are made at the MILES Main Warehouse, on FH Form 7021. Individuals wishing to draw TADSS must be on a current TSC Account DA 1687 Signature Card with his or her Unit in order to draw out equipment.

TADSS Warehouse

TADSS equipment may be pick up and drop off at the TSC MILES West Warehouse. All request for TADSS equipment must go through the TSC MILES Main Warehouse.



MILES West Warehouse is located in building 56138 on West Range Road next to Pegasus Scaled Range.

PH: (254) 288-9378

MULTIPLE INTEGRATED LASER ENGAGEMENT SYSTEM (MILES)

MILES is a family of training systems which uses lasers to simulate the effects of direct fire weapons at their operational ranges. MILES operates in a fully integrated tactical training environment. MILES is available for the individual Soldier, M16/M4 Rifle, M240, M249, Sniper Rifle, M2, MK19, HMMWV Series, MRAP, M113 series, M2/M3A2, M1, OH58, AH64 and Javelin. See the TADSS listing portion of this catalog for what MILES gear is available.



**Universal Controller Device
(UCD) MILES**



**Wireless Independent Target System
(WITS) MILES**



**Individual Weapon System
(IWS) MILES**



**Shoulder Launched Munitions
(SLM) MILES**



Things to Know:

Request for MILES equipment can be made at the TSC MILES Main Warehouse on FH Form 7021. Request for MILES equipment should be made at least 45 days in advance. Major exercises will require 105 days in advance. In the event we do not have enough on hand or we simply do not have the item requested, the 105 days gives us a window to contact the Army Training Support Center for outside support.

COMMON THRU-SIGHT VIDEO (CTSV) CREW MEMBER UNIT RECORDER (CMUR)

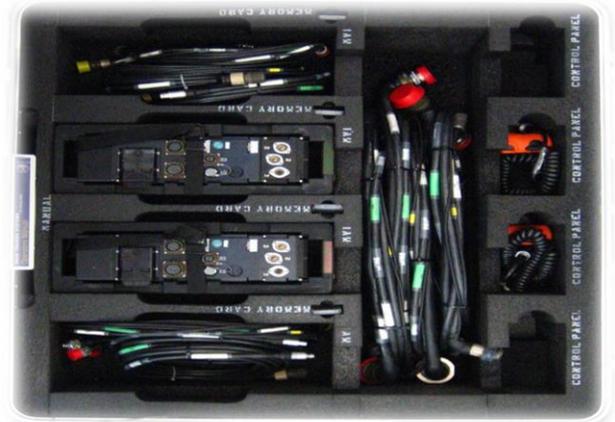
CTSV is used for After Action Reviews (AAR) for gunnery and tactical training of Tank and Bradley crews. TSV consist of a TV camera linked to the gunner's primary sight. The capability to record the gunner's sight image on video and crew communications on audio provides an added dimension to training exercises reviews. Leaders can verify gunner's performance and assess training effectiveness by reviewing video footage. Monitoring gunnery from range towers provides real time data for on the spot correction to enhance gunner's performance.



Sample Video Footage from CTSV



CTSV Kit



CMUR Kit



Things to Know:

Request for CTSV CMUR equipment can be made at the TSC MILES Main Warehouse FH Form 7021. Request for CTSV CMUR equipment should be made at least 45 days in advance. In the event we do not have enough on hand or we simply do not have the item requested, the 45 days gives us a window to contact the Army Training Support Center for outside support.

CONTACT TEAMS

Upon request, TSC has the capability to provide Contact Teams that support Units in the field and/or on Gunnery Ranges for:

- On the spot repair and troubleshooting
- Direct Exchange of damaged and/or defective equipment.



Things to Know:

Request for Contact Team support can be made at the TSC MILES Main Warehouse, Building 19036, on a FH Form 7021. For additional information, call (254) 287-2488.



Onsite PGS support

CREW DEVICES

TSC MILES Warehouse has the CREW devices pictured below, available for training.

- A large quantity of UAH at the PDTE Motor Pool have the installation kits and antennae mounted in the vehicles. Units are only required to draw the Primary Unit of the CREW-2.
- CREW devices can be drawn out for classroom instruction as well.
- Used with the Interrupt Device, the CREW devices can defeat the IEDES and other Training IED for realism.
- Laptops and PDAs are available to capture events and for EWO training.

CREW-2

Remote Control Unit



CVRJ



REMOTE CONTROL UNIT
(RCU)

Primary Unit



RECEIVER / TRANSMITTER



Things to Know:

Request for any CREW Devices can be made at the TSC MILES Main Warehouse, Building 19036, on a FH Form 7021. For additional information, call (254) 287-2488.

Home Station Instrumentation Training System (HITS)

Description

- Tracks locations of Soldiers and vehicles and simulates weapons effects and engagements, allowing units to “train as they fight” during force on force operations
- Provides accurate and rapid AAR feedback to training units
- Integrates with future and legacy MILES
- Provides the Live domain for Live-Virtual-Constructive training integration



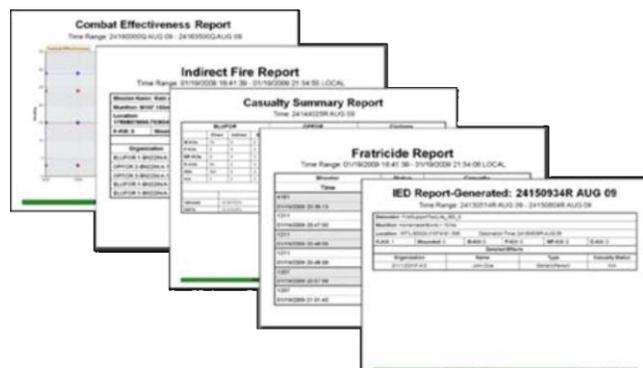
Capabilities

- 867 Dismount Soldiers
- 102 Combat Vehicles
- 193 Vehicles
- Combined total of 1,162 Entities



Schedule HITS is accomplished in two parts:

- Schedule the main HITS using **RFMSS** with **Range ID "TSC"**
HITS system information may be obtained by contacting: Mr. Greg Hughes at Telephone: (254) 247-5965 email: Ghughes28@csc.com
- Request for HITS Radios are made at the MILES Main Warehouse, on FH Form 7021. Individuals wishing to draw TADSS must be on a current TSC Account DA 1687 Signature Card with his or her Unit in order to draw out equipment.



Instrumentable Multiple Integrated Laser Engagement System Combat Vehicle Tactical Engagement Simulation System (I-MILES CVTESS)



I-MILES CVTESS is a laser-based training device to be used on Abrams, Bradley, and Opposing Forces (OPFOR) tanks and fighting vehicles to provide real-time casualty effects. It is an evolutionary approach for replacing older I-MILES CVTESS equipment currently used in force-on-force training exercises with devices that provide better training fidelity for combat vehicle systems. It will reinforce crew duties, reward proper engagement techniques and develop tactical maneuver skills of armor and mechanized infantry combined arms teams up to brigade level. It provides unit commanders an integrated training system in force-on-force and force-on-target training events at homestation training area through instrumented training. The system interfaces with instrumentation systems at Maneuver Combat Training Centers (MCTC). The I-MILES CVTESS modular design will accommodate new weapons, ammunition and vehicle types. The U.S. Army will use and field I-MILES CVTESS worldwide in all geographical areas.

Conduct of Fire Trainers (COFT)

☎ **Call 287-3374 to schedule your Unit.**

Scheduling done through the Virtual Simulations Section in Bldg 19031.

East COFT Site located in near MILES East Warehouse and Range Control

West COFT Site located by MILES West Warehouse and Pegasus Scaled Range

The COFT is a gunnery training device for TC/gunner teams. Its primary purpose is to sustain basic gunnery skills and increase combat gunnery skills. The COFT places the TC and gunner in a realistically simulated crew station and presents them with a full range of computer-controlled engagement situations. The COFT produces full-color, computer-generated action scenes in which crew members interact with various target situations. Programmed exercises vary in target type and number, range, vehicle and target motion, visibility, and other complex conditions. The crew is in no danger, no fuel is consumed, and no ammunition is expended. The result is challenging, progressive gunnery training.

Available on Fort Hood: M2A3 BATS, COFT-SA, COFT-SA Table Top, Stryker MGS AGTS, and Stryker MGS AGTS Table Top



Mobile Advanced Gunnery Training System (M-AGTS)



Things to Know:

- Unit Master Gunners (MG) submit scheduling request through the Virtual Simulations Section located in Building 19031.
- All MG scheduling a COFT must be on a DA 1687 Signature Card with the TSC to sign for keys. See Property Book Section of this catalog.
- Unit MG is responsible for training and providing Instructor/Operators.

CALL FOR FIRE TRAINER III

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Call For Fire Trainer (CFFT III) Facility

Bldg 19031 53rd Street

PH: (254) 287-3374

Scheduling done through RFMSS under Range ID "TSC."

Call for I/O Classes.

Purpose of Trainer :

The Call-For-Fire Trainer (CFFT) is designed to provide quality training for the Fire Support Specialist MOS 13F, Field Artillery Officers, as well as a common observed fire trainer for all Soldiers, regardless of MOS.



Enhanced Student Station

Functional Description:

The CFFT supports all fire support missions; capable of depicting all current and future munitions. Provides realistic high fidelity virtual environments and intelligent friendly, opposing, and non-combatant simulated forces. Simulates mortar, artillery, naval gunfire, and Type II and Type III close air support on a variety of stationary and moving targets.

Key Benefits of the CFFT:

- Fort Sill, Fort Irwin, and Baghdad databases. Afghanistan database in near future.
- Supports Joint Fires Observer (JFO) certification
- Supports Type II and III CAS training
- Semi-automated forces add realism to training.



Instructor/Operator Station



Things to Know:

- Requires one certified I/O per system scheduled
- I/O course is conducted upon request by phone (287-3374)
- I/O course is two consecutive days. Three consecutive days if CFFT is to be signed out on loan.
- Candidates for I/O course should be familiar with Call For Fire procedures
- I/O course is limited to 6 students per class
- CFFT 1:12 Systems are available to be signed out and setup at the Unit for training.

ENGAGEMENT SKILLS TRAINER II

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Engagement Skills Trainer (EST II) Facility

Bldg 22030 South Range Road

PH: (254) 287-3374

Scheduling done through RFMSS under Range ID "TSC."
Call for I/O Classes.

Purpose of Trainer:

The Engagement Skills Trainer (EST II) is a multipurpose weapons trainer that provides training support for both individual and crew-served weapons.

- Marksmanship Ranges for all weapon systems
- Scenario Training
 - Tactical Collective-Fire Control and Distribution
 - Shoot/Don't Shoot Judgmental-ROE

Weapons Supported:

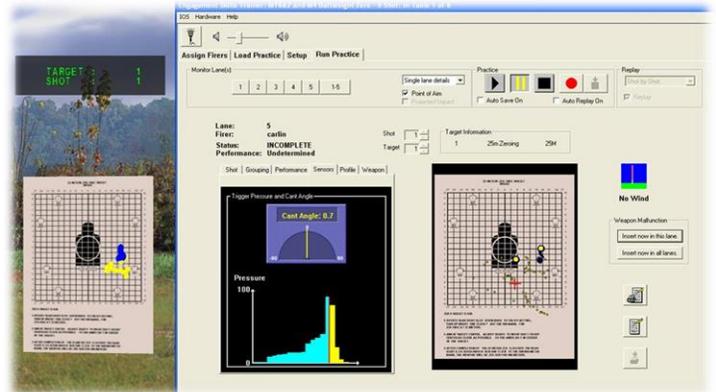
- | | | |
|---------------|---------------------|-------------------------|
| ✓ M16A2 Rifle | ✓ M4/M320 | ✓ M2 .50 Cal MG |
| ✓ M16A4 Rifle | ✓ M320 | ✓ MK19 Grenade Launcher |
| ✓ M4 Carbine | ✓ M249 SAW | ✓ M136 AT4 |
| ✓ M9 Pistol | ✓ M240B Machine Gun | ✓ M1200 Shotgun |



Collective Scenario Engagement



Rifle Zero Range



Instructor/Operator Training Tools



Things to Know:

- Requires one certified I/O per site scheduled
- I/O course is 2 consecutive days
- Limit of 15 students per I/O class
- I/O course is scheduled by calling 287-3374
- When selecting personnel to be an EST I/O, it is recommended that they are familiar with running marksmanship ranges. All procedures and commands for simulated ranges are identical to live fire.

HMMWV EGRESS ASSISTANCE TRAINER

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HMMWV Egress Assistance Trainer (HEAT) Facility

Bldg 22030/22037 South Range Road

PH: (254) 287-3374

Scheduling done through RFMSS under Range ID "TSC."

Call for I/O Classes.



I/O Operating the HEAT

Note: A study reported by *Helicopter World* (now *Defense Helicopter*) magazine in September 2000 states that a person who is "egress trained" stands a 250 percent greater chance of survival than an untrained occupant when faced with a rollover egress emergency.

Purpose of Trainer:

Teaching Soldiers, under controlled training conditions, the proper procedures to egress from an inverted high mobility multipurpose wheeled vehicle (HMMWV) will allow them to achieve self-control and overcome the natural fear and panic following the vehicle rollover. It will also reduce casualties and fatalities resulting from such rollovers, even when the vehicle is under attack, underwater, or on fire.



Soldiers egress from inverted HEAT



Things to Know:

- Units are responsible for providing two certified HEAT Instructor/Operators; one Combat Life Saver; and one designated vehicle for CASEVAC (POV or Military) per system scheduled.
- Risk Management Worksheet must be filled out to standard and signed by proper approving authority in the Unit's chain of command.
- Instructor/Operator Course given upon request and candidates must be E5/SGT or above.
- Instructor/Operator course is limited to 20 students.
- Call [287-3374](tel:254-287-3374) to get additional information on the Instructor/Operator Course requirements and for scheduling.

MRAP EGRESS ASSISTANCE TRAINER

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MRAP Egress Assistance Trainer (MET) Facility

Bldg 19031/19040 53rd Street

PH: (254) 287-3374

Scheduling done through RFMSS under Range ID "TSC."

Call for I/O Classes.



Purpose of Trainer:

Teaching Soldiers, under controlled training conditions, the proper procedures to egress from an inverted Mine Resistant Ambush Protected (MRAP) will allow them to achieve self-control and overcome the natural fear and panic following the vehicle rollover. It will also reduce casualties and fatalities resulting from such rollovers, even when the vehicle is under attack, underwater, or on fire.

Note: A study reported by *Helicopter World* (now *Defense Helicopter*) magazine in September 2000 states that a person who is "egress trained" stands a 250 percent greater chance of survival than an untrained occupant when faced with a rollover egress emergency.



Things to Know:

- Units are responsible for providing two certified MET Instructor/Operators; one Combat Life Saver; and one designated vehicle for CASEVAC (POV or Military) per system scheduled.
- Risk Management Worksheet must be filled out to standard and signed by proper approving authority in the Unit's chain of command.
- Instructor/Operator Course given upon request and candidates must be E5/SGT or above.
- Instructor/Operator course is limited to 20 students.
- Call [287-3374](tel:287-3374) to get additional information on the Instructor/Operator Course requirements and for scheduling.

FIRE SUPPORT COMBINED ARMS TACTICAL TRAINER

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Fire Support Combined Arms Tactical Trainer (FSCATT) Howitzer Crew Trainer (HCT)

Bldg 19037 53rd Street

PH: (254)287-3374

**Scheduling done through RFMSS under Range ID “TSC.”
Call for I/O Classes.**

Purpose of Trainer:

Train the gunnery team Cannon Crew member 13B.

Functional Description:

Shoots just like the real M109 SP Howitzer. Traverses 90 degrees left and right and elevates and cants just like the real thing. Uses dummy rounds, fuses, and charges. Has sensors that read the round, charge, fuse and fuse setting.



Key Benefits:

Cannon Crew Members can train on numerous individual and collective task. Soldiers can repeatedly practice crew drills to fire ammunitions and fuse combinations they've never fired before due to limitations. Has AAR printout. Future upgrade will provide for the interoperability with the CFFT to incorporate all aspects of indirect fire training from observer to gun.



Things to Know:

- **MOS specific training system** for 13B Cannon Crew Members
- Unit is required to provide one certified I/O
- I/O course is a two day course and is conducted upon request by phone (287-3374)
- Limit 6 students per I/O course

COMMON DRIVER TRAINER

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Common Driver Trainer: MRAP/Stryker Variant (CDT MV/SV)
Behind Bldg 22028 South Range Road
PH: (254) 287-3374

Scheduling done through RFMSS under Range ID "TSC."
Call for I/O Classes.



Student Station



Instructor/Operator Station

Purpose of Trainer:

The CDT MV/SV provides initial and sustainment driver training. The device consists of a simulated vehicle cab, instructor/operator station, a visual system, aural/audio system, and After Action Review station.

Functional Description:

The trainer has a fully integrated six Degree-Of-Freedom motion system. The instructor, via the instructor/operator station, is capable of selecting a visual scene, viewing the visual scene, monitoring each trainee's performance and introducing malfunction and emergency control situations. This provides the capability to create realistic scenario-based training events mirroring the actual conditions under which Soldiers are expected to perform.



CDT MV/SV Trailer



Things to Know:

- Replicate the Caiman, Maxxpro, RG-33L, RG-31 and Stryker.
- I/O must be a Company or Battalion Master Driver as indicated by appointment/additional duty orders from the commanding officer. A copy of these orders will be required to attend I/O training.
- I/O course is two consecutive days
- I/O course is limited to 4 students.
- A 48 hour notice is required in order to swap out MRAP Variant

VIRTUAL CLEARANCE TRAINING SUITE

Cont.

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Virtual Clearance Training Suite (VCTS)

Schedule VCTS through RFMSS under Range ID: TSC

- For schedule assistance contact: (254) 287-3374
- For system information contact: Edward Martinez at email: EMartinez@faac.com
- Systems located at Hell on Wheels and 20th Street



Capabilities

- VCTS Allows: 12 (4 Buffalo, 2 RG-31, 2 Panthers, 2 Huskies, 4 gunner stations, and 2 Talon III) stations to be operated simultaneously with full control over the surrounding environment. i.e. weather, munitions, civilian or enemy personnel.
- The VCTS system can be used for more than just route clearance. This system has the capabilities to be used as:
 - Convoy training (Up to 10 vehicles)
 - Security escort training (4 Gun Trucks)
 - Pre-driver training (Panther, RG-31, Husky, & Buffalo)
 - Communications training (all systems has internal\external headsets)
 - Vehicle familiarization training (All stations mirror their actual vehicle real world counterpart)
 - Training in different environmental conditions (Snow, Rain, Fog)
 - Run up to 4 different scenarios at once
 - Train-the-trainer classes available. This is a 2 day certification course in VCTS operations. This will give units internal VCTS certified operators.



Benefits

- Allows commands to provide training without threat of damage to vehicles, operators, or terrain
- Units train their own soldiers, allowing them to incorporate their own SOP's TTP's, and experience to training
- Provides realistic training without need for coordination of fuel, vehicles, assets, ranges, simulators etc.
- Multiple battle skills can be trained
- No requesting outside assets
- No PMCS
- No inclement weather concerns to hinder training

