Foundation

- Marine Corps Vision & Strategy 2025 IPG directs establishment of “training and education support centers at all major Marine Corps installations IOT improve TECOM support to home station training.”

- Expeditionary Force 21 gives guidance for innovation showing ROI to develop needed capabilities.

“… Development of doctrine and training…”

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The TECOM Training Support Center provides unit training/exercise design expertise and assistance to the operating forces, recommends the sequencing of use and optimizes integration of TECOM training systems and capabilities ISO Force Generation Process Phase II, III, and IV training, and provides contractual technical oversight of fielded live training systems IOT accomplish effective and efficient TECOM support to Home Station Unit Training.

References:
1) Marine Corp Vision and Strategy IPG 2025, 18 June 2007 (pg 10)
2) Marine Corps Concepts and Programs 2014
3) MCO 3502.6A, MARINE CORPS FORCE GENERATION PROCESS, 07 June 2013
4) TECOMO 3502.2, MAGTF TP TRANSITION PLAN, 26 February 2013
5) TECOM Organization Manual, 05 December 2012
6) CNA Study “Compressed Training Time” Feb 2012
TECOM TSC

Branch Head
Training Support Center
TSC Management
(COR)

Operations/TTS

Legend
Blue – GS
Green – Contractor Support
TSC Homestation Locations

- I MEF
- MCAGCC
- II MEF
- MCB Quantico
- III MEF
- TSC Branch
Training Support Center
Benefits for Home Station Training

Training Time:
• Increases Unit Training efficiency
  – Saves unit planning time for training (ref: Center for Naval Analysis)
  – Tightly links training events to Commander’s guidance and approved METL
  – Work closely with PMTRASYS on contract oversight and training system fielding during declining budgets
  – TSC-Unit collaborative process to best support Unit Training

Training Resource Optimization:
• Increases Unit Training effectiveness
  – Scenario based training designed IAW unit commander’s guidance- the best training is done "in context" to a relevant situation
  – Integrates training systems, devices, ranges & training environments most beneficial to unit’s training objectives
  – Includes multiple collective tasks in an integrated fashion, vice sequentially to best replicate the complex challenges of real operations
  – Local lessons learned- training stakeholders’ OODA Loop (example ITESS 2)
  – Training exercise (scenario/MESL) design software [RIPPLE] as GFE

Training Support Adaptation/Agility:
• Doctrine and Standards based training construct
  – Force Generation Process and MCTIMS Task mapping assistance
  – Reinforce TMIC/OTI/OTC training principles (MAWTS-1/MCTOG/MCLOG)
TSC CPEN Mission

CPEN TSC will:

– Assist MCB O&T by providing COTR support for ground training and training systems; assist with training capabilities planning, programming and resource analysis; and assist with unit training and exercise support

– Provide IMEF with integrated and coordinated TECOM Support for PTP training

In Order To:

– Provide Marines with the best training environment possible and support the training objectives stated in the CMC Vision and Strategy 2025.
Directives

TECOM / Installation MOA
- TSC support to MCI-W / Base G3/5
  - Exercise Planning, Design, Execution support (TSD)
  - Resource Management and Planning (RTAMD)
  - Contract Surveillance

CG IMEF PTP Msg; TECOM Decision Memo
- TSC support to IMEF G3T
  - Track and update service training requirements
  - Coordinate integrated TECOM support for Unit PTP
    - Supported / Supporting relationship for local TECOM resources
  - Identify and coordinate external training resources
    - JIEDDO, JCOE, etc
TSC CPEN Core Tasks

System Support:
- Conduct contract surveillance for designated programs (RTAM)
  • Monitor contract performance, system sustainment and availability
- Integrate into Base training system management architecture IOT support contract execution
  • Track and capture system usage data
  • Provide reports on contract work performance and funds obligated
  • Coordinate with Base, RTAM and PM TRASYS personnel

Planning & Analysis:
- Assist TECOM with resource analysis / assessment
  • Determine training resource gaps, redundancies, requirements
  • Support TECOM LVC concept development and material solution fielding
- Assist Base with DOTMLPF assessments during requirements development
  • Support requirements ID, fielding, sustainment and life cycle replacement
  • Support contract modification / re-compete process
Core Tasks (cont.)

Operations:

- Assist Base O&T with support to unit training events
  - Facilitate exercise planning, design and scenario support
    - Training Objectives, METL, Task linkage to exercise concept
    - Product development to support exercise framework (setting, events, Intel products, RP bios, etc)
  - Facilitate exercise resource integration and training execution
    - RP contract coordination (SOW, funding coordination, surveillance)
    - Training devices, atmospherics, ranges, TAs, training systems, COIN enablers
    - Exercise control products / assistance (MSELs, RIPPLE threads, narratives)
    - AAR products
  - Assist I MEF with unit PTP training plan development
    - Clarify deployment requirements in coordination with I MEF
    - ID TECOM approved resources to meet SVC, MEF requirements
      - Single point of coordination for TECOM support to Home Station Training
    - Recommend sequencing and integration of resources
    - Provide PTP feedback / recommendations to TECOM G3
Common Misperceptions

Things CPEN TSC **DOES NOT** do:

- **Conduct formal training**
  - TSC will facilitate unit training by providing various support products and help, but does not have any expertise to “conduct” training.

- **Conduct unit assessments / build unit TEEPs**
  - These actions are inherent responsibilities of the Unit Commander and the Chain of Command.

- **Evaluate unit training**
  - This is done as part of formal training venues or service supported training events such as ITX, MTX or LSE; TSC does neither of these

- **Schedule training events**
  - This is done by units in direct coordination with the training resource provider

- **Validate or approve training requirements**
  - Done by MARFORs via the MEFs to PP&O
  - TECOM develops training solutions to requirements (when appropriate)
  - TSC informs MEF units about the resource solutions
TSC CPEN POC List

TSC Head (763-7996)
Steve Ferrando

Operations (763-8243 / 8244)
Nelson Rodriguez
Tim Blake
Todd Luginbuhl
Jared Daresbourg
Chuck Colleton
Eric Loya
Kevin Kylis
Steven Taylor
Nick Clark

Contracts / Sys Spt (763-8244)
Dan Mobley

System Planning (763-6920)
Les Wheeler

IIT Site Mgmt (763-4835)
Bert Thielen
Matt Fennell
Jonell Laxa

HSTL Site Mgmt (763-4901)
Tom Martin

C-IED Equip Mgr (763-4901)
Ed Frain

RIPPLE FSR (763-8243)
Paul Stevens
Questions?
## Range and Training Area Capabilities

**Combat Training Environments**
- MOUT Sites
- Infantry Immersive Trainer
- Convoy Ops Courses
- Shoot Houses
- Ship on Land
- Airfield Raid Facilities
- Urban CAS
- FOBs/ECPs/VCPs
- C-IED Training Lanes
- Search Houses
- AAR Facilities

**Range Instrumentation**
- Force on Force
- Tactical Video Capture System
- Avatars
- SITE
- RISCON

**Range Training Aids and Devices**
- Targets
- Automated Targetry
- Battlefield Effects Simulators
- Atmospherics
- IIT Role Players

**Range Services Support**
- West Coast COMS
- East Coast COMS
- 29 Palms COMS
- RTISS
- IIT SMEs

### Training Support Centers

- Optimize and operationalize home station service level training resources employed in support of unit training.
- Provide integrated and coordinated TECOM Support for PTP/MAGTF-TP training.
- Provide exercise design, scenario development, and Training Support Packages linked to Commander's Training Objectives.

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TSC support to the MAGTF-TP
(TECOMO 3502.2 dtd 26 Feb 2013)

Individual and Specialized Skills

Entry Level Training (ELT)
Specialized Individual Training and Education
- OTI
- WTI
- ELI
- ITI

Training Plan Development

METL Training Guidance

Training Support Center (TSC)

Unit Level

Battle Staff Training Program (BSTP)
Staffs trained to plan and execute integrated MAGTF operations.

Integrated Training Exercise (ITX)
Units trained in those technical skills required to integrate with other elements of the MAGTF.

Mountain Exercise (MTNEX)
Units trained in those technical skills required for complex, cold weather environments.

MARFOR Battle Staff Training

MARFOR Battle Skills Training (Home Station Training)

MARFOR Exercises

Horizontal Integration

Vertical Integration

Readyly Deployable Forces

Large Scale Exercise (LSE)
MAGTF elements capable of planning and executing integrated MAGTF operations.

COCOM Exercises

Training Readiness

Service level TEEP

Legend

MARFOR Sponsored
Service Sponsored
Joint Sponsored
MAGTF Training Program

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Sample Menu

**Unit**

- METs / METL / Trng Objectives
- Size of Exercise Force (Bn, Co, Plt, etc.)
- Exercise Format
  - Lane / continuous / etc
- Timeframe and Length of Trng Event
- Trng Environment (setting, situation, threat)
- Desired Support
  - Role Players
  - Battlefield effects
  - Weapons
  - Training systems
- Exercise Execution
  - ExCon
  - Evaluation

**ESB / TSC**

- Intel Products
- Training Event Menu
- Exercise Support Products
  - RP Bios and Genograms
  - Event Thread Diagram
  - Master Scenario Event List (MSEL)
  - ID cards, passports, arrest warrant
- BFX / Atmospherics
- SOW Development
- ITESS support
- Trng Area / Range info
  - SPINS
  - Safety and execution checklists
  - Base access requirements (RPs/BFX)
- ExCon coordination / assistance
- Evaluation checklist builds
Immersive training is a combination of training resources to help replicate a realistic environment, enemy threats and unit collective tasks that create realistic, complex situations.
EXERCISE MISSION: At H-hour on D-day, XX-unit will conduct offensive operations IOT effectively meet the commander’s intent.

TRAINING FOCUS: The exercise focus should be on Platoon and Squad urban/rural dismounted patrols, interaction with the Local Nationals, C-IED and Company Level C2 operations.

Infantry Battalion METL

- MET 1: MCT 1.3.2 CONDUCT AMPHIBIOUS OPERATIONS
- MET 2: MCT 1.6.1 CONDUCT OFFENSIVE OPERATIONS
- MET 3: MCT 1.6.4 CONDUCT DEFENSIVE OPERATIONS
- MET 4: MCT 1.6.6.9 CONDUCT STABILITY OPERATIONS

Training Events that Support the Unit’s METL & Associated Training Objectives

- OpFor Conducts Ambush (Conventional)
- OpFor Conducts Small Arms Fire (COIN)
- OpFor/LN React to Detainee Handling Procedures
- OpFor/LN Follows ExFor Patrol
- OpFor/LN Impedes Movement of ExFor
- OpFor/LN Provides Information to ExFor
- OpFor/LN Approaches ExFor

Upon request the exercise design team will create any requested training events not previously listed in the Training Event Menu.

Association of METL to E-Coded Events in T&R Manual

- MCT 1.6.1
- MET2: CONDUCT OFFENSIVE OPERATIONS
- NAVMC 3500.44B
- INF-FSPT-7001 Conduct Fire Support Planning (B)
- INF-FSPT-7002 Conduct Fire Support Coordination (B)
- INF-INT-7001 Conduct Intelligence Support to Planning (D)
- INF-INT-7002 Conduct Intelligence Support to Operations (D)
- INF-INT-7004 Conduct Intelligence Integration (D)
- INF-MAN-7001 Conduct a Ground Attack (B)
- INF-MAN-7216 Operate in Urban Terrain (B)
- INF-C2-6002 Conduct Company Combat Operations Center (CCOC) Operations (D)
- INF-C2-6003 Conduct Planning (D)
- INF-CSS-6001 Conduct Tactical Logistics (D)
Sample PTP timeline

- Initial PTP meeting TSC / Unit Leadership
- PTP Coord Mtg
- Unit MA and COE Dev
- Unit TEEP Dev
- M / E / T Message to CG I MEF
- METL Brief to CG 1st MarDiv
- Commence PTP Message to CG I MEF
- PTP Brief to CG 1st MarDiv

- Block IA / IB Individual Training
- Svc Directed Training (Annual Training / MOS / Career Schools)
- Theater Directed Training
- MEF Directed Training

- Post-PTP / Pre-Deploy Brief to CG 1st MarDiv
- Block Leave

- Block IA / IB Stragglers / Remediation
- Block II
- Sm Unit Integration Training
- Block I & II Sustainment
- Block I – III Sustain
- Block III
- Unit Integration Trng
- Block IV
- PTP Equip Set Turnover
- ITX / MRX / AMRX
- BZO WEAPONS

Deploy

D-300 D-270 D-240 D-210 D-180
D-150 D-120 D-90 D-60 D-30

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OEF Infantry Battalion Force Management Timeline

**DSR Review**
- D-360
- D-330
- D-300
- D-270
- D-240
- D-210
- D-180

**Pre-Deployment Embark Inspection (PDEI)**
- Conducted & Uploaded to MDSS II (w/ Level VI Data to JFRG) (D-37)

**Regiment Certifies PDEI to Division via MSG**
- (D-32)

**Block IA / IB Individual Training**
- MOS / CAREER SCHOOLS
- ANNUAL TRNG REQ
- CODE OF COND/SEERIB
- LAW OF WAR
- COMBAT LIFE SAVER/1CCG
- ISOPREP
- COSC (OSCAR)

**Block II**
- CAOCL CMDBR INCIDENTAL LANG
- COIN LDR COURSE *
- SITE EXPLOITATION *
- IMMERSE TRAINING (IIT/MIT)
- COMBAT HUNTER *
- ITEP (CLIC) *
- MISTIC SYSTEMS
- MISTIC LANGUAGE
- MCES CIED (MLF 1 or 2)

**Block III**
- TACTICAL DIRECTIVES
- MRAP EGRESS TRNG
- IED DETECTION DOG (IDD) *
- IDD LDRS AWARENESS *
- MRAP LICENSING *
- CAMPAIGN CONTINUITY
- GBOSS / RAVEN B

**Block III Bn FEX**
- Request to Deploy w/ SAC 1 and SAC 3 Items Due to Div-G-4

**Block III Bn FEX**
- Post-PTP / Pre-Deployment Brief to CG 1st MarDiv

**Block IV**
- ITX / MRX / AMRX
- BZO WEAPONS
- IDD FINAL CERT

1. Asterisk (*) = MET dependent
2. Panama City Mine Roller is included with MRAP licensing
3. Immersive Training = Infantry Immersion Trainer/Motorized Immersion Trainer
4. PDSS should be executed early in PTP in order to adjust PTP based off of information gathered on PDSS
Key Points:
1. All CENTCOM Theater-specific training events are subject to availability; OEF units have priority.
2. Some SOTG courses may begin before D-180.
3. Battalions will complete Core MET Assessment prior to CHOP to MEU.
4. VBSS training includes recon platoon(s) and security platoon (from rifle company).
5. The next BLT in the cycle will evaluate CERTEX and provide 100% of MEU/TEG support.
6. CERTEX schedule will be synchronized with follow-on MEU CE and BLT.
7. All individuals involved in frequent over-water flights will complete helicopter egress training.
8. Each rifle company and applicable attachments will complete a Company Raid Crs.
**31st MEU Infantry Battalion Force Management Timeline**

**Key Points:**
1. All CENTCOM Theater-specific training events are subject to availability; OEF units have priority.
2. Some SOTG courses may begin before D-180.
3. Battalions will complete Core MET Assessment prior to deployment.
4. Key personnel may be required to travel for R2P2 training with 31st MEU staff during PTP.
5. Some equipment may be required for deployment (e.g., NMCI assets).
6. Security platoon (from rifle company) may be required to travel with ADVON for VBSS training.
7. D-180 GCE will be Block I and II complete.

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**EWTG Fires Coordination Course**

**SOTG COURSES**
- RAID LDRS CSE (1 WK)
- MOTORIZED RAID (1 WK)
- MECH RAID (1 WK)
- HELO RAID (1 WK)
- LAR/CAAT RAID (1 WK)
- TRAP (2 WKs)

**BOAT RAID (1 WK)**
- ASSAULT CLIMBER (5 WKs)
- NLW (1 WK)
- HA/DR (1 WK)
- DYNAMIC ASSAULT (5 WKs)
- URBAN RAS (5 WKs)
- URBAN SNIPER (3 WKs)

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**IBEP / Core MET Blocks I - II - III**
- MOS/Billet/Career Schools
- ANNUAL TANG REG
- Code of Conduct/SERE-B/RIB
- Law of War
- ISO/REP
- COSC (OSCAR)
- CBRN

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**Post-PTP / Pre-Deployment Brief to CG 1st MarDiv**

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**QC**

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**Release M / E / T D-240 Message to CG I MEF**

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**MEET Brief to CG 1st MarDiv**

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**MSC Core METL Assessment**
UDP Infantry Battalion Force Management Timeline

Key Points:
1. All CENTCOM Theater-specific training events are subject to availability; OEF units have priority.
2. Battalions will complete Core MET Assessment prior to deployment.
3. Some equipment may be required for deployment (e.g. NMCI assets).