



FY15 Combat Marksmanship Symposium

Out-Brief

**Colonel Timothy M. Parker, USMC
Commanding Officer
WTBn, Quantico, VA
7 November 2014**



Symposium Mission



- ⊕ Chartered as a forum for vetting issues.
- ⊕ Serves in an advisory capacity to Deputy Commandant Combat Development & Integration (DC CD&I) and marksmanship advocates.
- ⊕ Examines marksmanship related issues for review and consensus prior to submission to other forums, other advocates, and HQMC staff sections as required.



Competition in Arms Program (CIAP)



Combat Shooting Matches

Discussion:

- ⊕ MCO 3591.2K has directed the conduct of Combat Shooting Matches (3-Gun)
- ⊕ FY15 Schedule (proposed)
 - ⊕ Okinawa – March 2015
 - ⊕ 29 Palms – June 2015
 - ⊕ MCB Lejeune – July/Aug 2015
 - ⊕ MCB Pendleton – Aug 2015
- ⊕ FY15 Marine Corps Combat Championships
 - ⊕ FY15 TAD funding unavailable
- ⊕ MCO 3591.2K update
 - ⊕ Identify allowable weapons (pistol, rifle, shotgun)
 - ⊕ Guidelines for stages of fire
 - ⊕ Establish geographical regions
 - ⊕ Identify uniform requirements/restrictions

DC, CD&I (Advocate)

- ⊕ For informational purposes only

New Distinguished Category

Discussion:

- ⊕ Combat Shooting Matches do not fit the mold of existing distinguished categories of rifle and pistol

Recommendations:

- ⊕ Create a new distinguished category that would appropriately recognize Marines competing in Combat Shooting Matches
- ⊕ Advocate decision to go forth with creating a distinguished shooting category/badge for Combat Shooting Match for submission to Marine Corps Uniform Board



DC, CD&I (Advocate)

- ⊕ Approved _____
- ⊕ Disapproved _____
- ⊕ Further Guidance _____



Weapons

Authorized Gear & Equipment MARADMIN for Entry Level Training (ELT) / Annual rifle Training (ART) / Annual Pistol Training (APT)

Discussion:

- ⊕ Remove web sling (leave 3 point & Common Wpns Sling)
- ⊕ Include weapons with Marine Corps High Temperature Aerosol Paints (MCHTAP) (when approved)
- ⊕ Add Glock 19 and equipment (MARSOC)
- ⊕ Add USMC Holster System (M9 Pistol), with/without light attachment, to be utilized during APT

Recommendation:

- ⊕ Approve Authorized Gear & Equipment MARADMIN release

DC, CD&I (Advocate)

- ⊕ Approved _____
- ⊕ Disapproved _____
- ⊕ Further Guidance _____



Glock 19



M16A4 with 3-Point Sling



M9 with Holster System



M16A4 with Common Wpns Sling



M16A4 with MCHTAP

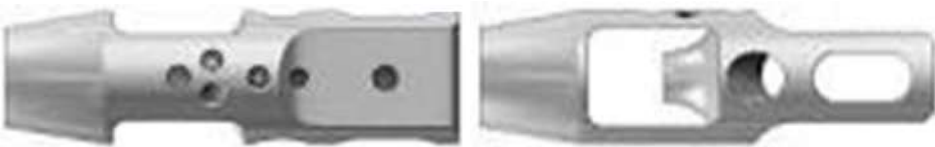


Weapons

R&D Proposals

Discussion:

- ⊕ Accuracy during multiple shot engagements is adversely affected by poor recoil management and inconsistent trigger pull
- ⊕ The current service rifle 3-stage trigger has varying trigger pull between each stage
- ⊕ Current technology exists to mitigate/reduce these variables.



Recommendation:

- ⊕ Generate a deliberate UNS to initiate research, testing and evaluation to obtain a compensator which will further enhance recoil management and a trigger that provides consistent trigger pull.



DC, CD&I (Advocate)

- ⊕ Approved _____
- ⊕ Disapproved _____
- ⊕ Further Guidance _____

Reduce Service Rifle Barrel Flex

Discussion:

- ⊕ Need to enhance the capabilities and accuracy of M16/M4 and Marines
- ⊕ Reduce the effects of flex due to sling tension (which is highlighted by use of RCO / SDO)

Recommendation:

- ⊕ Priority 1 of 3 proposed mods
- ⊕ Direct the conduct of testing and evaluation for material solution
 - ⊕ Free floating rail system: \$316.00
 - ⊕ Heavier barrel contour: (M4A1 conversion) \$118.00



DC, CD&I (Advocate)

- ⊕ Approved _____
- ⊕ Disapproved _____
- ⊕ Further Guidance _____



Weapons



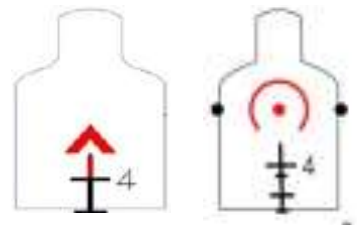
Optics Commonality

Discussion:

- ⊕ Currently we are required to train Marines on two different reticle patterns (Rifle Combat Optic (RCO) & Squad Day Optic (SDO))
- ⊕ Since initial procurement of RCO, multiple studies have resulted in a better understanding of optics technology. The subsequent purchase of the SDO & Machine Gun Day Optic (MDO) which has a more intuitive reticle pattern, contributes to rapid target acquisition and improved accuracy.

Recommendation:

- ⊕ Priority 2 of 3 proposed mods
- ⊕ Adopt elements of the RCO / SDO / MDO reticle patterns and develop a common reticle pattern as the Marine Corps standard
- ⊕ Phase out current reticles and replace with modified reticles in conjunction with maintenance cycle.



DC, CD&I (Advocate)

- ⊕ Approved _____
- ⊕ Disapproved _____
- ⊕ Further Guidance _____

Ambidextrous Service Rifle

Discussion:

- ⊕ Left handed Marines (10%) must remove the service rifle from the firing position in order to conduct corrective action
- ⊕ An ambidextrous magazine release and safety selector is available to outfit left handed Marines, and preclude removing the rifle from the firing position



Recommendation:

- ⊕ Priority 3 of 3 proposed mods
- ⊕ Direct the conduct of testing and evaluation for existing material solutions
 - ⊕ Modification of bolt latch release
 - ⊕ Ambidextrous charging handle
- ⊕ Approve as an authorized modification



DC, CD&I (Advocate)

- ⊕ Approved _____
- ⊕ Disapproved _____
- ⊕ Further Guidance _____



Service Ammunition (5.56mm & 9mm)

Discussion:

- ⊕ Current service ammunition does not provide optimal accuracy and lethality.
- ⊕ There is an approved Program of Record (POR) for AB49 (5.56mm) which provides increased accuracy and lethality over A059 for similar cost.

Recommendation:

- ⊕ Expend current A059 stock piles (expendable in 7 years) and start procuring AB49.
- ⊕ Generate a deliberate UNS to initiate R&D to procure a similarly more accurate and lethal service pistol round without compromising reliability.



DC, CD&I (Advocate)

- ⊕ Approved _____
- ⊕ Disapproved _____
- ⊕ Further Guidance _____

M855 AB49





Combat Rifle



Rifle Table 2-3d Implementation Plan

Discussion:

- ⊕ FY14 DC, CD&I approved Tables 2-4d mods
- ⊕ Testing/validation of approved tables revealed 4 additional rounds were required IOT train to standard.

⊕ Ammo Savings:

⊕ Infantry:	Now	1,309 Rounds
	Projected	663 Rounds
	Validated	667 Rounds

⊕ All others:	Now	595 Rounds
	Projected	663 Rounds
	Validated	667 Rounds

Recommendation:

- ⊕ Approve validated reduced ammunition savings

DC, CD&I (Advocate)

- ⊕ Approved _____
- ⊕ Disapproved _____
- ⊕ Further Guidance _____

Re-Designate New Tables

Discussion:

- ⊕ Current Table 3 designation of 3a-d fails to provide a Commander with clear reporting of unit readiness in MCTIMS
- ⊕ Tables 3a, 3b, 3c, and 3d are four distinct tables of fire that are trained and evaluated individually but are reported collectively as "Table 3".

Recommendation:

- ⊕ Re-designate Tables 3a, 3b, 3c, and 3d as Tables 3, 4, 5, and 6.

DC, CD&I (Advocate)

- ⊕ Approved _____
- ⊕ Disapproved _____
- ⊕ Further Guidance _____



Combat Rifle

Score Reporting

Discussion:

- ⊕ When Tables 3a-4d were initially implemented units were authorized to modify the tables to meet local range deficiencies.
- ⊕ To account for variations in execution, scoring was calculated as a percentage of a maximum achievable score.
- ⊕ Refinement of the tables and improvements to supporting ranges have eliminated the need for variations in scoring.
- ⊕ A simpler point scoring system based on numerical score is now possible at all training locations.

Recommendation:

- ⊕ Remove current reporting conversion percentage and report scores as numerical

DC, CD&I (Advocate)

- ⊕ Approved _____
- ⊕ Disapproved _____
- ⊕ Further Guidance _____

Conceptual Threat Target

Discussion:

- ⊕ FY14 DC, CD&I approved conceptual threat target for testing and evaluation
- ⊕ Threat target as tested meets all requirements as an improvement to executing short range training

Recommendation:

- ⊕ Approve tested threat target as NSN item IOT procure for Tables 2-3d
- ⊕ Expand test of threat target to include Table 1

DC, CD&I (Advocate)

- ⊕ Approved _____
- ⊕ Disapproved _____
- ⊕ Further Guidance _____





Combat Rifle



Range Commands

Discussion:

- ⊕ Currently there is no standardization of range commands
- ⊕ Often site/unit specific commands are being utilized for ELT / ART
- ⊕ Live fire mishap investigation resulted in the publication of a TRNGCMD policy letter directing SOIs East & West to standardize range commands
- ⊕ Standardized range commands would eliminate confusion

Recommendation:

- ⊕ Task Marksmanship Proponent to produce / socialize standardized range commands to be used Marine Corps wide
- ⊕ Incorporate into MCO 3574.2L

DC, CD&I (Advocate)

- ⊕ Approved _____
- ⊕ Disapproved _____
- ⊕ Further Guidance _____

Table 2 Improvements

Discussion:

- ⊕ FY14 DC, CD&I approved testing and evaluation of conceptual Table 1 course of fire
- ⊕ Testing and evaluation conducted showed conceptual course of fire would be better employed as improvements to Table 2

Recommendation:

- ⊕ Discontinue testing and evaluation of Table 1 modifications
- ⊕ Initiate testing and evaluation of conceptual Table 2 modifications at Marksmanship Training Units (MTU) which instruct the Combat Marksmanship Coach (CMC) and Combat Marksmanship Trainer Courses (CMT) courses

DC, CD&I (Advocate)

- ⊕ Approved _____
- ⊕ Disapproved _____
- ⊕ Further Guidance _____



Combat Rifle



Rifle T&R Tasks

Discussion:

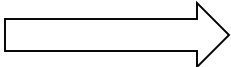
- ⊕ Current T&R tasks do not reflect employment centric tasks; “Engage Threats” vice “Conduct Table X Course of Fire”
- ⊕ Joint Small Arms Capability Study, MCWL Moving Target Engagement Test, and alternate Table 1 tests validate employment centric tasks
- ⊕ Currently there are two different 1000 level rifle tasks, one residing in the Infantry T&R and one in the MCCS T&R

Recommendation:

- ⊕ Endorse one set of Rifle T&R tasks to be used at both Entry Level and annual training.
- ⊕ Task Marksmanship Proponent to produce and socialize revised Rifle T&R tasks prior to 0300 T&R revision in June 2015 IOT focus on employment centric tasks.

DC, CD&I (Advocate)

- ⊕ Approved _____
- ⊕ Disapproved _____
- ⊕ Further Guidance _____



RCO’s at Entry Level Training (ELT)

Discussion:

- ⊕ ELT sites have RCO short falls due to maintenance and supply issues that are effecting their ability to accomplish the mission.
- ⊕ OPFOR have similar, but less significant shortfalls

Recommendation:

- ⊕ Request LOGCOM examine a means for increased RCO throughput to the Supporting Establishments and OPFOR, with priority to ELT sites
- ⊕ Create a Depot float allowance.
- ⊕ Requires action from DC, I&L and PMIW.

DC, CD&I (Advocate)

- ⊕ Approved _____
- ⊕ Disapproved _____
- ⊕ Further Guidance _____



Combat Rifle



Small Arms Weapons Instructor Course (SAWIC)

Discussion:

- ⊕ Black Sea Rotational Force (BSRF), SPMAGTF-CR, HADR mission sets, and tenets of EF21 have created a requirement for personnel trained in Foreign Weapons possessing the ability to plan training / live fire
- ⊕ Since the deactivation of SAWIC these skills reside solely with Marine Gunners
- ⊕ Mission requirements have surpassed the capacity of Marine Gunners

Recommendation:

- ⊕ Direct Marksmanship Proponent to review the T&R standards of the former SAWIC (MOS 0932) POI and the current Foreign Weapon Instructor (FWIC) POI and determine which skills are applicable to current requirements
- ⊕ Provide CG, TECOM an analysis of cost, time, and manpower to combine FWIC & SAWIC

DC, CD&I (Advocate)

- ⊕ Approved _____
- ⊕ Disapproved _____
- ⊕ Further Guidance _____

USMC Holster System Chest Mount

Discussion:

- ⊕ CMC/CMT courses currently cover training of USMC Holster System in three positions (Hip, Hip Extension, Thigh)

Recommendation:

- ⊕ Restrict wear of USMC Holster System during CPP to trained positions
- ⊕ Task Marksmanship Proponent to conduct research on future expansion of holster wear based on OPFOR requirements (chest, shoulder, etc.)



DC, CD&I (Advocate)

- ⊕ Approved _____
- ⊕ Disapproved _____
- ⊕ Further Guidance _____



Range and Facilities Campaign Plan Update



Discussion:

- ⊕ **FY14 DC, CD&I directed the creation of a Range and Facilities Strategic Campaign Plan.**
- ⊕ **Will operate along two lines of effort (LOE); sustainment of existing facilities and recapitalization/modernization to meet future capabilities.**
- ⊕ **LOE 1 will identify deficiencies based on current requirements, prioritize deficiencies, and procure funding sources IOT standardize MCCMP range sustainment.**
 - ⊕ **Priority: Safety/protection, infrastructure and maintenance, targetry and feedback systems, training and instruction support.**
- ⊕ **LOE 2 will identify future requirements, conduct studies, prioritize recapitalization / modernization, and procure funding sources IOT standardize MCCMP range development.**
 - ⊕ **Priority: Training and instruction support, targetry and feedback systems, infrastructure and maintenance, safety/protection.**
- ⊕ **OPT Co-Chairs: MCICOM, MCCDC (C465 and C464), and WTBn (C476).**
- ⊕ **OPT Members: HQMC Advocates/MARFORs, MCI (NCR), MCI (E, W, PAC, NCR), ONR, MCWL, and OAD.**
- ⊕ **Stakeholders: Marksmanship Components (14 MTU's) and PP&O.**
- ⊕ **1 year POA&M: Brief Marine Installation Board (MIB), submit deficiencies, brief I&L Board, finalize campaign plan, present to MROC.**

DC, CD&I (Advocate)

- ⊕ **For informational purposes only.**



Simulations



ISMT

Discussion:

- ⊕ Previously purchase M16A2's do not allow utilization of RCO.
- ⊕ Several ISMT facilities have yet to replace remaining M16A2 with M16A4/M4.
- ⊕ Current ISMT is dated and lacks a formal requirement.

Recommendation:

- ⊕ Replace remaining M16A2's with current weapon systems IOT utilize the proper optic.
- ⊕ Conduct a study to test if simulation training should be a requirement.
- ⊕ Integrate ongoing Verification and Validation Assessment (V&VA) into Range and Facilities Strategic Campaign Plan for future simulation training requirements

DC, CD&I (Advocate)

- ⊕ Approved _____
- ⊕ Disapproved _____
- ⊕ Further Guidance _____

Questions





Back Ups





Past/Future Actions

- ✓ **MARADMIN Calling/Announcement Message**
- ✓ **Working Group (WG) Lead Preparations**
- ✓ **RSVP for Attendance**
- ✓ **CMS Opening/Briefs/WGs Convene**
- ✓ **Briefs of Interest**
- ✓ **WG Out-Briefs to Executive Steering Committee**
- ✓ **ESC Decisions/Wrap-up/Brief**
- ✓ **Out Brief to CG, Training Command (VTC)**
- ✓ **Out Brief to the CEAB (VTC)**
- ❑ **Out Brief to CG, Training and Education Command**
- ❑ **Out Brief to DC, CD&I (Advocate)**
- ❑ **CMS Results MARADMIN**
- ❑ **Publish the annual authorized weapons and optics MARADMIN**
- ❑ **Quarterly VTC / Meetings on action items**
- ❑ **Prepare for FY16 Symposium (Oct 2015)**



Background

- ⊕ **The Combat Marksmanship Symposium (CMS) is a MAGTF forum.**

- ⊕ **Previous CMSs and Charter**
 - ⊕ 07-11 Mar 2011: FY11 CMS
 - ⊕ July 2011 (approx): CMS Charter signed
 - ⊕ 24-28 Oct 2011: FY12 CMS
 - ⊕ 15-19 Oct 2012: FY13 CMS
 - ⊕ 7-10 Apr 2014: FY 14 CMS
 - ⊕ **20-23 Oct 2015: FY 15 CMS**

- ⊕ **WTBn Quantico, Training Command**
 - ⊕ **Mission is to serve as the Marine Corps proponent for all facets of small arms combat marksmanship and be the focal point for marksmanship doctrine, training, competition, equipment, and weapons.**
 - ⊕ **Designated as the lead agent to establish and conduct the Combat Marksmanship Symposium.**

Focus is MAGTF level marksmanship issues across the DOTMLPF spectrum



Historical Symposium Impacts



⊕ FY-11

- ⊕ Implementation of RCO at Entry-Level (MCRDs and TBS)

⊕ FY-12

- ⊕ Authorization for use of T/O Individual Weapons for annual Qualification IE: M27 IAR, M45 CQB
- ⊕ Adoption of a Common Weapon Sling (VCAS)

⊕ FY-13

- ⊕ Development of a Moving Threat T&R (03XX Core Plus Task)
- ⊕ Implementation of the Combat Pistol Program

⊕ FY-14

- ⊕ Consolidation of Tables 3a-4d
- ⊕ Authorization of Bn Gunners to execute CMC/CMT



Symposium Purpose



- ⊕ **Reinforce Combat Marksmanship as a dominant force in our Marine Corps culture.**
- ⊕ **Standardize the way we conduct Marksmanship across the Marine Corps.**
- ⊕ **Assess the training continuum -- from “Yellow Footprints” to combat.**
- ⊕ **Provide a venue to address issues that impact marksmanship training.**
- ⊕ **Facilitate alignment of technological and tactical developments with doctrine.**



Executive Steering Committee (ESC)



CO, WTBn Quantico
DC, PP&O
DC, AVN
DC, I&L
MARFORCOM
MARFORPAC
MARFORRES
CG, TECOM

I MEF
II MEF
III MEF
WFTBn Edson Rng
WFTBn PI
SOI East
SOI West
MCICOM
MARCORSYSCOM



Executive Steering Committee



⊕ **Consists of 17 members representing four different groups:**

- 1. HQ Elements in Support of the Advocate**
- 2. Resource Proponent**
- 3. Implementation**
- 4. Entry Level Training Continuum**



HQ Elements in Support of the Advocate



⊕ DC, PP&O

- ⊕ Represents GCE marksmanship issues.
- ⊕ Represents the focus of Marine Corps marksmanship.

⊕ DC, I&L

- ⊕ Represents the LCE.
- ⊕ Expertise in Marine Logistics Group and facility issues.

⊕ DC, AVN

- ⊕ Represents the ACE.
- ⊕ Expertise in aviation marksmanship issues.

⊕ MARCORSYSCOM

- ⊕ Serves in an advisory role.
- ⊕ Expertise in weapons acquisition and fielding.



Resource Proponent



⊕ Function

- ⊕ Address and support resourcing decisions.

⊕ Commands

- ⊕ MARFORCOM
- ⊕ MARFORPAC
- ⊕ MARFORRES



Implementation



⊕ Function

- ⊕ Receives and uses end products.
- ⊕ Executes recommendations approved by the Advocate.
- ⊕ Assesses the feasibility of support of recommendations in the Operating Forces.
- ⊕ Provides a sense of the current state of marksmanship across the MAGTF.

⊕ Commands

- ⊕ I MEF
- ⊕ II MEF
- ⊕ III MEF



Entry Level Training



⊕ Function

- ⊕ **Assesses the feasibility of support for recommendations affecting the entry level training continuum.**

⊕ Commands

- ⊕ **Training and Education Command (TECOM)**
- ⊕ **WFTBn MCRD San Diego, Edson Range**
- ⊕ **WFTBn MCRD Parris Island**
- ⊕ **SOI- West**
- ⊕ **SOI- East**
- ⊕ **WTBn Quantico**



T & R's



Employment Centric Task

Task: 0300-M16-2001

- ⊕ Engage Moving Threats

Condition:

- ⊕ Given a service rifle with Rifle Combat Optic (RCO)/Infantry Automatic Rifle (IAR) with Squad Day Optic (SDO), individual field equipment, sling, magazines, ammunition, and moving targets from 25 to 200 meters.

Standard:

- ⊕ To eliminate 60% of exposed threats through incapacitation.

Performance Steps:

1. Identify threat
2. Present the weapon to the target while assuming a combat shooting position.
3. Determine lead.
4. Apply tracking or ambush method.
5. Apply engagement techniques (controlled pair, hammered pair, controlled burst).
6. Search and assess
7. Maintain the weapon in Condition 1.

Course of Fire Centric Task

Task: MCRD-M16-1014

- ⊕ Execute Basic Combat Rifle Marksmanship (Table 2)

Condition:

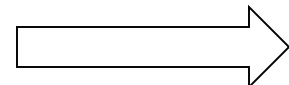
- ⊕ Given a service rifle, combat sling, individual field equipment, magazines, ammunition, and stationary and moving targets.

Standard:

- ⊕ To achieve a qualifying score of 60.

Performance Steps:

1. Execute Stage 1, Presentation Drills (Single shot, Controlled Pair, Failure to Stop).
2. Execute Stage 2, Position Change (Controlled Pairs-standing and kneeling and Failure to Stop-standing to kneeling).
3. Execute Stage 3, Multiple targets with position change (Controlled Pairs-standing, Controlled Pairs-standing and kneeling, Failure to Stop-standing to kneeling).
4. Execute Stage 4, Speed Reloads (Controlled Pairs-standing and kneeling)
5. Execute Stage 5, Moving Targets (Movers Right-standing to kneeling and Movers Left-standing to kneeling).



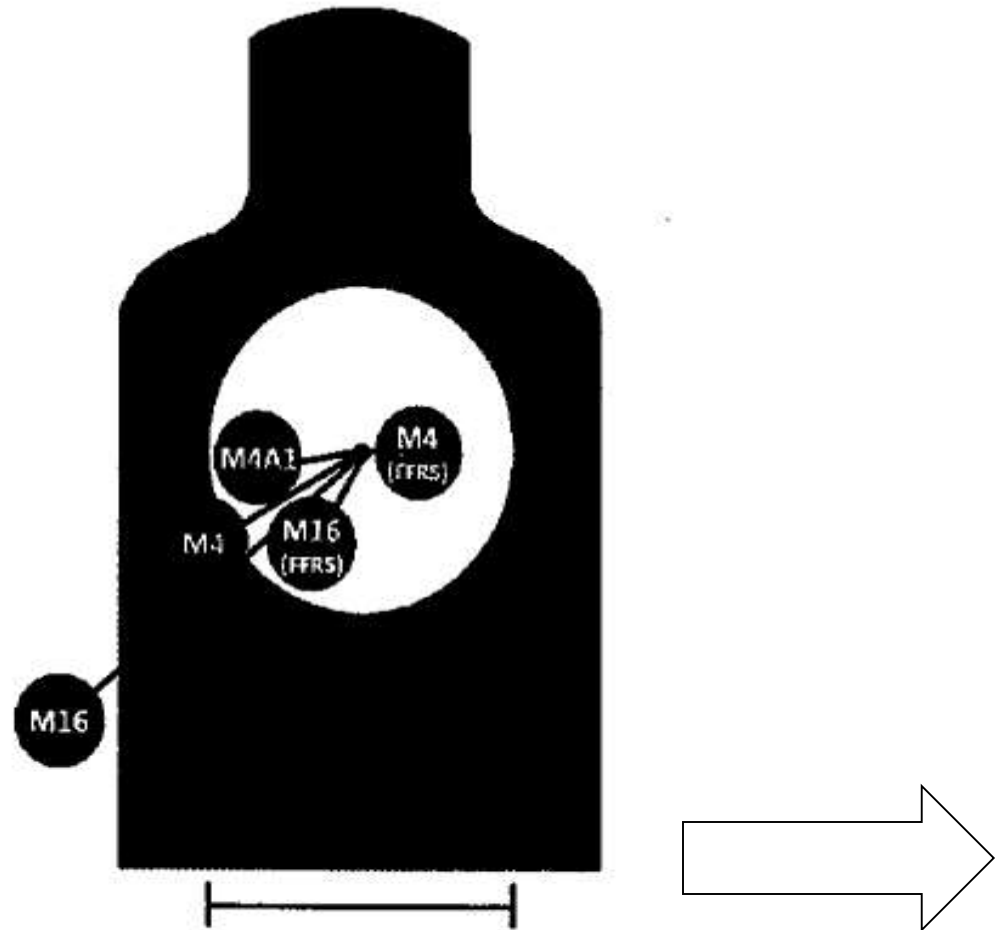


Barrel Flex



Sling Tension Test		20 Pounds
M16A4	(Without FFRS)	23.46 in
M16A4	(With FFRS)	5.58 in
M4	(Without FFRS)	10.15 in
M4	(With FFRS)	3.59 in
M4A1	(Without FFRS)	5.74 in

- Distance: 100 Meters
- Tension: 20 Pounds



Representation of Shift of Impact Resulting from Sling Tension