



UNITED STATES MARINE CORPS
COMMAND ELEMENT
II MARINE EXPEDITIONARY FORCE
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II MEFO 3502.5
G-3

MAR 11 2020

II MARINE EXPEDITIONARY FORCE ORDER 3502.5

From: Commanding General, II Marine Expeditionary Force
To: Distribution List

Subj: II MARINE EXPEDITIONARY FORCE ORDER GOVERNING ELECTRONIC WARFARE
RED TEAM UTILIZATION

Ref: (a) Deputy Commandant for Combat Development and Integration
Electronic Warfare Red Team Concept of Employment
(DRAFT, revised 20191113)
(b) MCO 3500.11F Marine Air Ground Task Force Training Program
(MAGTFTP)
(c) Table of Organization and Equipment Change Request #312459
Realignment of Future Force 2025 Electronic Warfare
Supporting
Establishment Structure, dtd 20190626
(d) Routine Electronic Attack (EA) Clearance for II Marine
Expeditionary Force (II MEF) Locally Controlled Frequencies,
dtd 20190701
(e) II MEF Policy Letter 4-17, II Marine Expeditionary Force
Communications Support Request Timelines, dtd 20171012

1. Situation

a. Per reference (a), Electronic Warfare Red Teams (EWRTs) are Marine Expeditionary Force (MEF) and Marine Air Ground Task Force Training Command's (MAGTFTC) opposing force in the electromagnetic spectrum (EMS). They support training Fleet Marine Forces units by providing a denied, degraded, and disrupted electromagnetic operational environment (EMOE). EWRTs will be an integral part of the Marine Corps' ability to train and operate successfully in a denied, degraded, and disrupted EMOE and will be the primary means by which II MEF units are suitably challenged within the EMS.

b. Per reference (b), MAGTFTC provides a standards-based program to integrate and synchronize home station training with the service level training program during Service-Level Training Exercises (SLTEs) via Battle Staff Training Program (BSTP), Integrated Training Exercise (ITX), Mountain Training Exercise (MTX), MAGTF Warfighting Exercise (MWX), Talon Exercise (TALONEX), and Weapons and Tactics Instructor course (WTI).

c. Per reference (c), EWRTs are mapped to MAGTFTC SLTE units at Marine Corps Air Ground Combat Center (MCAGCC), Twenty-nine Palms, California, and Marine Corps Air Station (MCAS) Yuma, Arizona. Units slated for an SLTE will route requests to MAGTFTC for EWRT assets during

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the exercise planning cycle no later than the initial planning conference (IPC).

2. Mission. II MEF employs its two assigned EWRTs consistent with II MEF training priorities and the continued viability of the red teams.

3. Execution

a. Commander's Intent and Concept of Operations

(1) Commander's Intent. Due to the expected high demand for EWRTs, it is imperative that all II MEF units understand the capabilities and concept of employment of this nascent and evolving asset. This Order establishes the II MEF process to govern Electronic Warfare Red Team (EWRT) utilization and priorities.

(2) Concept of Operations. The following sections provide an overview of the EWRT structure, capabilities, support to II MEF and Major Subordinate Commands and Elements (MSC/MSE) pre-deployment training program (PTP) and non-PTP events, and requesting unit requirements.

(a) EWRT Tasks, Structure, and Training

1. EWRT Tasks:

a. Conduct ground electronic warfare (EW) to include:

(1) Spectrum analysis, baselining the EMOE, and identifying and characterizing exercise force's EMS activity.

(2) Direction finding (DF).

(3) Radio frequency jamming of high frequency, very-high frequency, ultra-high frequency, and super-high frequency bands.

b. Advise supported unit on designated EWRT equipment capabilities and tactics, techniques, and procedures.

c. Serve as an adversarial target set for exercise force EW support teams (EWST) or other EW assets to target.

d. Conduct additional frequency band and expanded range operations as EWRT capabilities develop.

e. Synchronize EWRT fires into the exercise control (EXCON) scheme of maneuver. Assess the team's activities daily and provide feedback to EXCON.

f. Provide After Action Reports (AAR) input to EXCON, and 2d Radio Battalion (2d Radio Bn) S-3, detailing

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administration and logistics topics, as well as technical exercise and EW/EWRT employment assessments. Include any noted signature management issues, and support or refute EWRT effectiveness against the training unit.

2. EWRT Structure:

a. II MEF will maintain two (2) EWRTs at 2d Radio Bn. Each EWRT is composed of four (4) Marines, as depicted in Table 1.

b. 2d Radio Bn will collectively staff two EWRT on par with its battalion staffing goal.

Table 1: EWRT Structure

Description	Rank	MOS	Quantity
Team Leader	Sgt	2621	1
Assistant Team Leader	Cpl	2621	1
Operator	LCpl	2631	1
Operator	LCpl	2651	1

c. Currently, the EWRT's do not have an official table of equipment. Headquarters, Marine Corps will provide a commercial/government off-the-shelf (COTS/GOTS) interim solution until a EWRT program of record (PoR) is established. Until the COTS/GOTS solution is provided, 2d Radio Bn will source its EWRTs with available organic equipment.

3. EWRT Training:

a. The Marines who comprise EWRTs receive only basic EW training from entry-level MOS schools. Therefore, it is imperative that the II MEF Electronic Warfare Officer (EWO) advocates for EWRT Marines to attend additional billet-oriented EW training (to include adversarial EW and Navigation Warfare tactics, techniques, and procedures).

b. 2d Radio Bn will support EWRT development as the MEF's primary EW subject matter experts. Cross-training between EWRTs and EWSTs is highly encouraged.

(b) Requesting Unit Training Requirement. Key personnel within the training audience and exercise control will participate in denied, degraded, and disrupted EMOE training developed or coordinated by II MEF Information Group (MIG) prior to being aggressed by EWRTs for the purposes of unit assessment. Topics of the training will include electromagnetic spectrum operations (EMSO), EWRT capabilities, and exercise employment considerations. Requesting units will list when and where the classroom denied, degraded, and disrupted EMOE instruction will occur within the EWRT request and exercise concept of operations (CONOPS). Information about classroom denied, degraded, and disrupted EMOE instruction will reflect on the exercise Plan of Action and Milestones (POA&M).

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(c) Training Priorities. MSC/MSE's will attend II MEF G-35 working groups to coordinate training resources. Deconfliction will occur within the II MEF Force Requirements Working Group with the final adjudication by the II MEF Assistant Chief of Staff (AC/S) G-3. The II MEF AC/S G-3 is responsible for approving or denying EWRT requests based upon EWRT readiness and Commanding General (CG), II MEF priorities. EWRTs will be integrated into II MEF exercises, as available, in accordance with the following event priority list:

1. An event officially tasked to II MEF.
2. A II MEF sponsored Readiness Generating Event (RGE) (e.g. MEFEX) recorded in Defense Readiness Reporting System-Marine Corps (DRRS-MC).
3. An event supporting the formal evaluation of a II MEF unit (e.g. Marine Corps Combat Readiness Evaluation, Expeditionary Operations Training Group, or MAGTF Staff Training Program supported event).
4. An RGE for a II MEF unit slated to fill a Global Force Management (GFM) requirement within six months (e.g. short-notice RFFs that do not fall under 5.a.).
5. An RGE for a II MEF unit not rating a higher priority.
6. An RGE for a non-II MEF USMC unit not rating a higher priority (e.g. MARSOC).
7. An RGE for a DoD unit not rating a higher priority.
8. An event that does not generate readiness (e.g. experiments, demonstrations, etc.).
9. Late submissions and any other event not rating a higher priority.

(d) Priority override. CG II MEF and II MEF AC/S G-3 retain authority to override any priority as needed to meet mission requirements. The II MEF G-39 Fires and Effects Coordination Center (FECC) will validate all requests as well as coordinate any requests for a priority override.

(e) Non-approved Training Events. Requests for EWRT support will be denied under the following conditions:

1. Requests including travel to support exercises where EWRTs already reside. Examples include exercises at MCAS Yuma, AZ and Twenty-nine Palms, CA.

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2. Requests that do not allow sufficient time to accomplish the frequency and spectrum requirements as listed within refs (d) and (e), and this policy letter.

3. Requests for signature management (SIGMAN). The Marine Corps only officially-recognized SIGMAN capability resides at the Marine Corps Information Operations Center (MCIOC). Therefore, SIGMAN requests will be directed to the Signature Management Platoon at MCIOC.

4. Requests to support units smaller than a battalion/squadron.

b. Tasks

(1) II MEF AC/S G-2. Be prepared to advise EWRT and Exercise Control Center on adversary effects.

(2) II MEF AC/S G-3

(a) Serve as the adjudicating authority to approve and deny EWRT requests for support. Provide decisions for EWRT employment during Force Requirements Working Group and Training and Exercise Employment Plan reviews.

(b) Provide oversight for MSC/MSE POA&M ensuring major milestones for EWRT employment are met. Provide conflict resolution between requesting unit and supporting unit(s).

(c) Host the EMSO WG, chaired by the II MEF EWO. The II MEF Space Operations Officer will serve as the alternate.

(d) Include EWRTs on the II MEF Training and Exercise Employment Plan.

(e) Slate no more than one EWRT at a time for exercise support. Exceptions to policy may include MEF-level exercises and commanders executing pre-deployment training certification events. An exception to policy may be approved if the EWRT CONOPS sufficiently addresses the requirements and employment plan to justify additional EWRT resources.

(3) II MEF AC/S G-6

(a) Coordinate spectrum approvals to support EWRT integration into the requesting unit's training plan.

(b) Provide a representative to the II MEF EMSO WG.

(4) II MEF Information Group (MIG)

(a) Assist requesting unit and II MEF EWO with CONOPS development.

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(b) Provide representative to the II MEF EMSO WG.

(c) Provide or coordinate denied, degraded, and disrupted EMOE training for units requesting EWRT support.

(d) Be prepared to support EWRT employment beyond 2d Radio Bn's organic administrative and logistics capabilities.

(5) 2d Radio Bn

(a) Maintain a minimum of one (1) mission-capable EWRT at all times. A mission-capable EWRT is defined as four (4) EWRT-billeted Marines with fully-functional EWRT-assigned equipment.

(b) Assign Marines to EWRT-billets for no less than 12 months to maximize return-on-investment for EW and aggressor-specific training.

(c) Maintain at least two (2) EWRT-billeted Marines trained as HMMWV incidental operators.

(d) Schedule and fund EW training for EWRT-billeted Marines, to include aggressor and EW courses, within the parameters of the published EWRT Training and Exercise Employment Plan.

(e) Provide a representative to the II MEF EMSO WG.

c. Coordinating Instructions

(1) Requesting Unit Responsibilities

(a) Through the II MEF G-39 FECC, request that the II MEF EWO attend the concept development conference and IPC prior to submitting a formal EWRT support request.

(b) With the aid of the II MEF EWO, complete and submit the EWRT Support Request Form via Secure Internet Protocol Router (SIPR) Network to the II MEF G-39 FECC for validation 30 to 120 days prior to the exercise start date. Spectrum request timelines outlined in references (d) and (e), and EWRT availability will primarily determine supportability; therefore, requesting units should submit detailed requests as early as possible. Instructions and blank forms are available on the II MEF G-39 FECC SIPR SharePoint page (<https://eis.usmc.smil.mil/sites/iimef/G3/SitePages/FECC.aspx>).

(c) Ensure that EWRT EA spectrum requirements are included in the exercise spectrum request. Requirements that do not align with reference (d) will incur longer approval timeline.

(d) Ensure II MEF spectrum timelines listed in reference (e) are incorporated in the exercise POA&M and the II MEF EWO is kept appraised. Include EWRT-specific tasks as required.

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(e) Identify EWRT TAD requirement within CONOPS. Fund any required travel for EWRT.

(f) Identify a Staff Noncommissioned Officer or Officer within the EXCON fires element to serve as Electronic Attack Control Authority (EACA). The EACA must be available to serve during the planning process and exercise and is responsible for proper coordination with II MEF, Marine Corps Installations East, and regional spectrum authorities.

(g) Provide all administrative and logistics support for the EWRT throughout supported timeframe.

(h) Provide all applicable exercise support equipment to the EWRT prior to the event to include EXCON radios, tactical/non-tactical vehicles, battery and hard-wired power requirements.

(i) Request from their respective MSC/MSE G-2/S-2 intelligence support detailing specific adversarial effects required to maximize EWRT employment.

(j) Ensure all EWRT training events are included within the exercise AAR detailing employment, usefulness, and EMSO-related training outcomes. Provide a copy to the II MEF EWO who will disseminate to II MIG and 2d Radio Bn.

(k) If the requesting unit is also providing their own EXCON or assessment element, then they must also fulfill responsibilities in para 8.a.

(2) EXCON

(a) Synchronize EWRT employment into the EXCON fires plans and scheme of maneuver.

(b) Provide EWRT-specific feedback within the exercise AAR addressing administrative, logistical, employment, and technical topics.

4. Administration and Logistics

a. Training completion will be recorded in DRRS-MC, as applicable, and maintained by each supported MSC/MSE.

b. II MEF staff sections and supported MSC/MSEs will ensure all EWRT-supported training events are included within AARs. Inputs will include EWRT, training audience and EXCON AAR bullet points. These inputs will provide necessary feedback for EWRT TTP development and future training.

5. Command and Signal

a. Command

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(1) EWRT billets are mapped to 2d Radio Bn to maintain EW expertise within a single battalion. 2d Radio Bn's EWRTs will be attached or sent TAD to exercise units to fulfill the exercise timeline and requirements. Desired command relationships will be requested in the initial EWRT request, solidified with 2d Radio Bn after team assignment, and during the coordination period.

(2) Upon EWRT request approval, II MEF AC/S G-3 will task II MIG to source an EWRT, to provide planning support as required, and to facilitate follow-on coordination (e.g. direct liaison authority) between the requesting unit, EXCON, and 2d Radio Bn for detailed planning and coordination.

(3) Once sourced, EWRTs will operate under the EXCON element's supervision and direction, and will be employed IAW training unit's exercise CONOPS and EXCON MSELs.

(4) This Order is applicable to all II MEF commands and those units assigned under the operational control of II MEF.

b. Signal

(1) Point of contact at II MEF AC/S G-2 regarding adversary effects is the Director, II MAGTF Intelligence Center at (910) 450-8816.

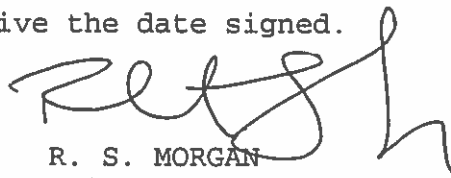
(2) Points of contact at II MEF AC/S G-3 regarding EWRT exercise support scheduling are the II MEF EWO (primary) or the II MEF Space Operations Officer (alternate), at (910) 450-5739.

(3) Points of contact at II MEF AC/S G-6 Strategic Spectrum Officer at (910) 451-8022, or the Strategic Spectrum Chief at (910) 450-7801.

(4) Point of contact at II MIG Information Command Center is the EMSO Officer-in-charge/EWO at (910) 451-5427.

(5) Point of contact at 2d Radio Bn is the S-3 Future Operations Officer at (910) 450-9352.

(6) This Order is effective the date signed.



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Chief of Staff

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