



UNITED STATES MARINE CORPS  
2D MARINE AIRCRAFT WING  
II MARINE EXPEDITIONARY FORCE  
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WgO 2400.1  
G-6

JAN 17 2012

Wing Order 2400.1

From: Commanding General, 2d Marine Aircraft Wing  
To: Distribution List

Subj: 2D MARINE AIRCRAFT WING (2D MAW) ORDER FOR REQUEST, USAGE  
AND MANAGEMENT OF THE ELECTROMAGNETIC SPECTRUM

Ref: (a) NTIA Manual of Regulations and Procedures for  
Federal Radio Frequency Management  
(b) MCO 2400.2A  
(c) JANAP 119 J (CRD) Joint Voice Call Sign Book

Encl: (1) 2d MAW Spectrum Management End User Manual  
(2) Example Spectrum Management Point of Contact (POC)  
Appointment Letter

1. Situation. Operational requirements and emerging technologies have resulted in a proliferation of Spectrum-Dependent (S-D) equipment and systems. These systems provide critical command and control (C2); Intelligence, Surveillance and Reconnaissance (ISR) functions and Electronic Warfare (EW) capabilities across the MAW and connect 2d MAW across the strategic, operational and tactical levels of warfare. Fully understanding the operational necessity of effectively and efficiently managing the electromagnetic spectrum is critical to the MAW's ability to utilize, control and exploit this critically saturated finite resource during current and future operations.

2. Cancellation. Wing Policy Letter 1-10: 2d MAW Policy for Request, Usage and Management of Electromagnetic Spectrum.

3. Mission. To establish policy, guidance and procedures for the management of the electromagnetic spectrum and identify specific command relationships, roles and responsibilities in the proper management and employment of S-D equipment and systems.

4. Execution

a. Commander's Intent. Through streamlined policy and coordinated efforts, 2d MAW management and use of the

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electromagnetic spectrum will effectively and successfully support Wing operational requirements in the successful completion of their assigned missions.

b. Concept of Operations. 2d MAW G-6 will manage all electromagnetic spectrum issues on behalf of the Commanding General (CG), 2d MAW. Group commanders will support this effort by following the governance prescribed below.

c. Tasks

(1) G-6 Spectrum Manager

(a) Serve as the executive agent by managing all electromagnetic frequency spectrum issues within 2d MAW.

(b) Manage, coordinate and control 2d MAW spectrum in support of 2d MAW training, exercises, deployments and combat operations.

(c) Publish 2d MAW supplemental procedures and policy for spectrum matters.

(d) Ensure that new equipment fielding and the purchase of radio frequency emitting equipment is coordinated to ensure spectrum availability and/or de-confliction.

(e) Publish quarterly Communications Electronic Operating Instructions (CEOI) and coordinate 2d MAW spectrum reporting requirements per reference (a).

(f) Conduct an annual review of 2d MAW spectrum site licenses to ensure continual spectrum availability for 2d MAW radiating equipment.

(g) Review higher and adjacent command spectrum orders to ensure consistency, accuracy and currency.

(2) Group Commanders

(a) Assign a Spectrum point of contact in writing and provide the appointment letter (enclosure (2)) to the Wing G-6 Spectrum Manager.

(d) Ensure Spectrum point of contact is familiar with this Order and responsible for content and execution of the manual.

(c) Participate in the annual site license review to ensure new equipment and operating locations are documented.

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(d) Ensure subordinate organizations adhere to equipment usage limitations (power allowed, authorized frequencies and equipment strings) documented in the site licenses.

(e) Coordinate spectrum activities for all subordinate organizations under your administrative control.

(f) Review subordinate organization portions of the CEOI for completeness and accuracy. Ensure proper reporting of discrepancies to the Wing G-6 Spectrum Manager quarterly.

(g) Ensure subordinate organizations immediately report all instances of interference or suspected interference, resulting in negative impact to radio frequency emitting equipment to Wing G-6 Spectrum Manager. Ensure subordinate organizations are prepared to provide detailed information as to the circumstances under which the interference occurred.

(h) Ensure all requests are submitted In Accordance With (IAW) timelines prescribed in the manual (enclosure (1)).

d. Coordinating Instructions

(1) 2d MAW Quarterly CEOI will be published on the Wing G-6 Spectrum Management SharePoint website:  
<https://intranet.2dmaw.usmc.mil/G6/spectrummanager/default.aspx>.

(2) Supplemental policy, information and references are posted on this website. For access, contact the Wing G-6 Spectrum Manager.

(3) All unit call sign coordination must be submitted to higher headquarters and comply with naming standards per reference (c).

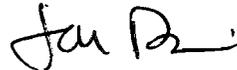
(4) Any recommended changes to this order and subsequent manual should be submitted to the 2d MAW G-6 Spectrum Manager via the appropriate chain of command.

5. Administration and Logistics. Point of contact for this Order is the Wing G-6 Spectrum Manager at DSN 582-3108.

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6. Command and Signal

- a. Command. This Order is applicable to all 2d MAW units.
- b. Signal. This Order is effective date signed.

  
J. M. DAVIS

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**2D Marine Aircraft Wing  
SPECTRUM MANAGEMENT END USER MANUAL  
19 October 2011**

Enclosure (1)

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1. Purpose. The purpose of this document is to promulgate instruction on requesting frequencies based on equipment type, power output and location of units through the use of a standardized document common to all, providing the Spectrum Manager with all the necessary information for coordination with higher and Host Nation, according to the lead times established by II Marine Expeditionary Force (II MEF) and this spectrum policy.

2. This Manual is intended to be a living document and is subject to review and modification as necessary. Recommendations for modification should be addressed to the 2d MAW Frequency Management Section at (252/DSN 582)466-3108

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1. Introduction. This Manual and the related documents will expedite the process of gathering and handling of the required information by eliminating the unnecessary flow of e-mail traffic that provides only bits and pieces of actual requirements with the current process in which information is received.

2. Operational Planning. To ensure timeliness of request processing, all frequency requests for Continental United States (CONUS) exercises will be submitted 45 days prior to training and 120 days for Outside Continental United States (OCONUS) exercises. Combat and no-notice deployment requirements will be expedited after earliest notification possible. These forms will be submitted via email to the 2d MAW G-6 Spectrum Management Organizational Mailbox (OMB) account 2maw\_g6\_spec\_manager@usmc.mil or 2maw\_g6\_spec\_manager@usmc.smil.mil (SIPRNET).

3. Equipment Identification. Each of the spectrum user requesting support from 2d MAW Spectrum Manager, for the participating units in any given exercise will coordinate with their respective S-3s to find out requirements such as start/end dates and grid coordinates (XMIT/RCV locations). The unit requesting spectrum use will be required to fill out the Equipment Identification, Frequency Request, these forms with the attained information along with their unit's frequency requirements (based on highest power output of equipment per frequency band - VHF-FM, VHF-AM, HF, UHF, SATCOMM, RADARS). In conjunction with the request a Speed Path Profile (if available at the unit) will also be required. All requests will be processed/reviewed and submitted through the proper channels, Squadrons to Groups, Groups to the 2d MAW G-6 Spectrum Manager. CONUS request will be turned in 45 Days prior to the operation or exercise. OCONOUS request than 120 Days prior to the operation or exercise.





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# 2D MAW Frequency Request Form

(dtd 18 August 2010)

Date: \_\_\_\_\_

### Coordination Timelines

Requests in established training areas/LZs	45 Days
Requests outside established training areas	90 Days
Requests OCONUS	120 Days

1. Fill out a new form for each frequency band.

Required frequency band (Highlight one)

HF K2000.0 - K29000.0

VHF M30.00 - M87.975      VHF M108.000 - M137.975

VHF M136.000 - M174.000

UHF M225.000 - M399.975      UHF M406.000 - M420.000

UHF M1350.000 - M1850.000

SHF M4400.000 - M5000.000

2. Quantity of frequencies required in band \_\_\_\_\_

3. Net names and units that the frequencies will support (write the net names and units or attach a Radio Guard Chart with net names/units) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4. If HF, list quantity of frequencies required in sub-band in The HF range in accordance with SPEED study

Primary range \_\_\_\_\_

Secondary range \_\_\_\_\_

Tertiary range \_\_\_\_\_

5. Equipment nomenclature \_\_\_\_\_

6. Antenna nomenclature \_\_\_\_\_

7. Maximum power output in watts \_\_\_\_\_

Enclosure (1)

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2D MAW Frequency Request Form  
(dtd 18 August 2010)



8. Frequency use (Highlight one)

- Ground to Ground
- Ground to Air
- Air to Air

9. Type of net (Highlight one)

- HF Single Channel
- HF Automatic Link Establishment
- VHF Single Channel
- VHF Frequency Hopping
- UHF Single Channel
- UHF Have Quick
- Land Mobile Radio (LMR) Point to Point
- Land Mobile Radio (LMR) Trunking

10. City and State or military base where frequencies will be used

11. Latitude and Longitude of operating location(s):

---	---	---	N	---	---	---	---	W
---	---	---	N	---	---	---	---	W
---	---	---	N	---	---	---	---	W

12. Operating radius in kilometers \_\_\_\_\_

13. Unit \_\_\_\_\_

14. RUC \_\_\_\_\_

15. Point of Contact (POC) rank and name \_\_\_\_\_

16. Point of Contact telephone number and Email addresses

DSN \_\_\_\_\_ Commercial \_\_\_\_\_

NIPR \_\_\_\_\_ SIPR \_\_\_\_\_

17. Exercise/Operation name \_\_\_\_\_

18. Start date \_\_\_\_\_

19. End date \_\_\_\_\_

Enclosure (1)



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Points of Contacts

Spectrum Management OMB:

2d maw G-6 Spec Manager - 2dmaw\_g6\_spec\_manager@usmc.mil  
SIPRNET - 2dmaw\_g6\_spec\_manager@usmc.smil.mil

GySgt Ulysses Erving

DSN 582-3108  
CML 252-466-3108

NIPR ulysses.erving@usmc.mil  
SIPR ulysses.erving@usmc.smil.mil

GySgt Patricia M. Roddy-Jones

DSN 582-6176  
CML 252-466-6176

NIPR patricia.rodryjones@usmc.mil  
SIPR patricia.m.rodryjones@usmc.smil.mil

SSgt Dyer Michael

DSN 582-3108  
CML 252-466-3108

NIPR michael.dyer@usmc.mil  
SIPR michael.dyer@usmc.smil.mil

2d MAW G-6 Sharepoint Site:

<https://intranet.2dmaw.usmc.mil/G6/spectrummanager/default.aspx>



Unit Letter Head

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IN REPLY REFER TO:  
2400  
Unit  
Date

From: Commanding Officer, <unit>  
To: <Rank> <FirstName> <MI> <LastName> <Last4/MOS> USMC  
Subj: APPOINTMENT AS SPECTRUM POINT OF CONTACT FOR <UNIT>  
Ref: (a) WgO 2400.1

1. In accordance with the reference, you are hereby appointed as the Spectrum Point of Contact for <unit>.
2. You are to familiarize yourself with the reference and will be guided by it in the performance of your duties.
3. Your appointment will remain in effect until written authority, notification, transferred, reassigned or this appointment is superseded.
4. This authority supersedes all previous authorizations.

I. M. COMMANDER

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Unit  
Date

FIRST ENDORSEMENT

From: <Rank> <FirstName> <MI> <LastName> <Last4/MOS> USMC  
To: Commanding Officer, <unit>

1. I have read and understand the reference and hereby assume the duties as the Spectrum Point of Contact for <unit>.

I. M. MARINE

Copy to:  
Commanding Officer, <Unit>  
2d MAW. G-6, Spectrum Manager