



# **Navy and Marine Corps Spectrum Offices (NMCSO) Status**

**Keith Van Blarcom**  
**NAVMARSPECCEN NMCSO Team Manager**  
**2011**

**"Distribution A: Approved for public release"**

# Report Documentation Page

Form Approved  
OMB No. 0704-0188

Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

1. REPORT DATE <b>MAR 2011</b>		2. REPORT TYPE		3. DATES COVERED <b>00-00-2011 to 00-00-2011</b>	
4. TITLE AND SUBTITLE <b>Navy and Marine Corps Spectrum Offices (NMCSO) Status</b>				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) <b>Navy and Marine Corps Spectrum Center, Norfolk, VA, 23511</b>				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT <b>Approved for public release; distribution unlimited</b>					
13. SUPPLEMENTARY NOTES <b>The 32nd Annual USN-USMC Spectrum Management Conference 7-11 March 2011, San Diego, CA</b>					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT <b>Same as Report (SAR)</b>	18. NUMBER OF PAGES <b>15</b>	19a. NAME OF RESPONSIBLE PERSON
a. REPORT <b>unclassified</b>	b. ABSTRACT <b>unclassified</b>	c. THIS PAGE <b>unclassified</b>			



# OVERVIEW



- Primary Mission Responsibilities
- One Team
- NMCSO Manning
- NMCSO Regions
- In depth briefing Shore/Afloat
- Afloat Spectrum Support
- Shore Spectrum Support
- Challenges
- Accomplishments



# NMCSO Primary Mission Responsibilities



- Management and coordination for use of the frequency spectrum within respective regions.
- Focal point for all Navy and Marine Corps Spectrum requirements afloat and ashore.
- Installation Spectrum Managers (ISM), ground electronics technicians, and other spectrum users comply with rules and regulations.
- Maintain a program for continuous periodic frequency assignment review with users.
- Assist users to mitigate harmful effects of interference.
- Spectrum supportability by providing technical guidance and analyses as required on RF equipment and systems.



# ONE TEAM



- DON Spectrum management functions consolidated into eight regional support centers
- **Eight** regional Navy and Marine Corps Spectrum Offices under the direction of NAVMARSPECCEN
- **Eight** regional offices providing support to Naval afloat and ashore activities and commands, COCOMS, JFMO's, JSME, Navy and Marine Corps components, JTF and/or Combined Support Forces.



# Navy and Marine Corps Spectrum Office (NMCSO) Manning



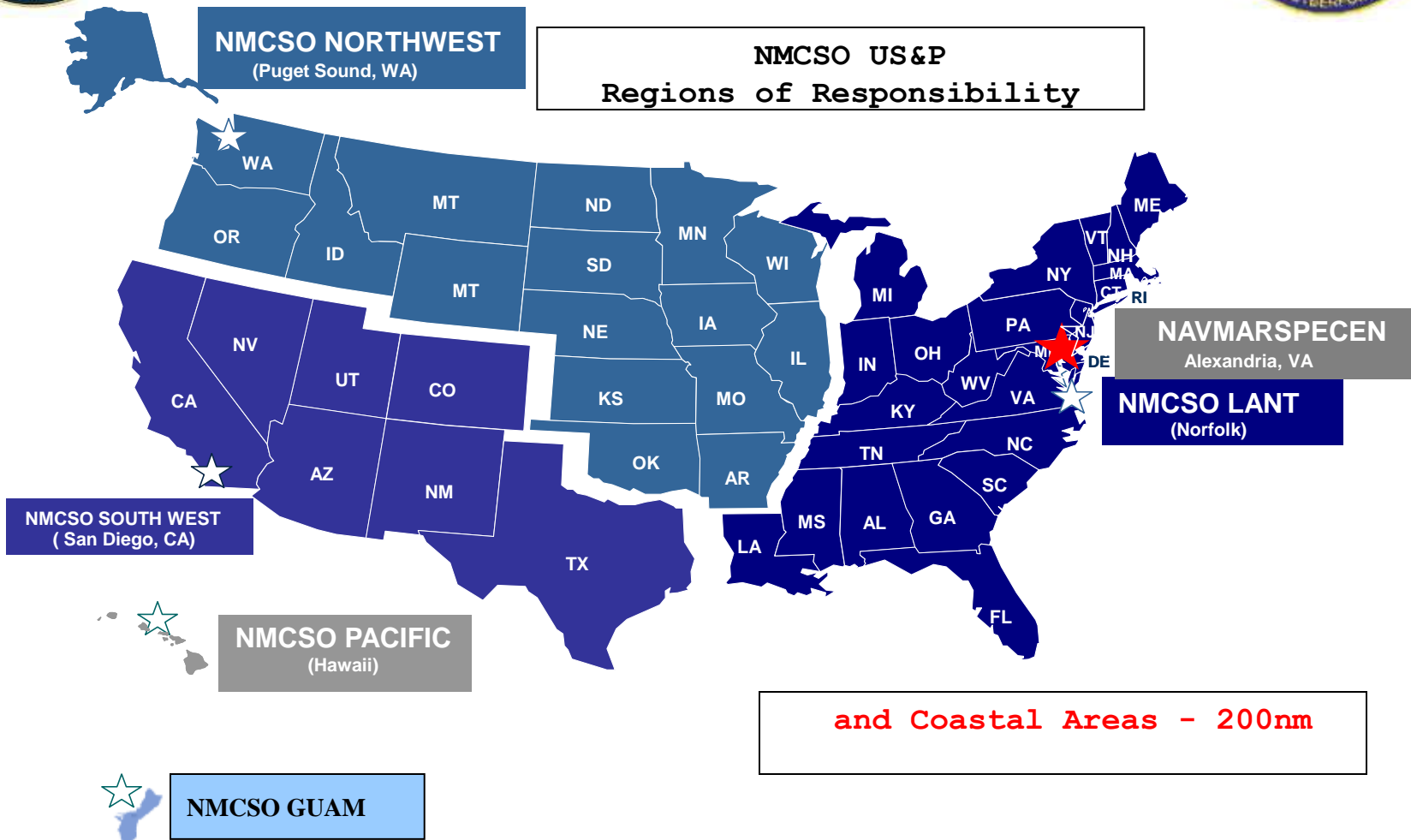
Navy and Marine Corps Spectrum Center  
(NAVMARSPECCEN)  
Director Thomas Downie, GS15

NAVMARSPECCEN – Navy and Marine Corps Spectrum Office (NMCSO)  
Team Manager Keith Van Blarcom, GS14

NMCSO LANT Norfolk Va	NMCSO PAC Honolulu Hi	NMCSO GUAM	NMCSO EUR Naples Italy	NMCSO CENT Bahrain	NMCSO Far East Yokosuka Ja	NMCSO SW San Diego Ca	NMCSO NW Puget Sound, Bangor Wa
Janet Baker GS Supervisor	Randall Hall GS Supervisor	Robert Hedrick GS Supervisor	Mark Brushwood GS Supervisor	Keith Jones GS Supervisor	Gary Vogel GS Supervisor	Rena Karas GS Supervisor	Russell Potter GS Supervisor
Daniel Steward GS	Dave Harris GS	Harold Fellows GS	Filled Vacancy GS12	Adam Miller GS	Greg Boone GS	Elizabeth Anderson GS	IT1(SW/AW) Mario Gulley
ITC(SW) Michael Harris	ITC(SW/AW) Duane King	<u>VACANT</u> <u>E6/7</u>	IT1(SW) Joshua Rinaldi <u>Dep Aug2011</u>	ITCS(SW/AW) ) David Rebertus <u>Dep Apr2011</u>	ITC(SW) James Robinson	Reginald Thomas GS	<u>VACANT</u> <u>GS11</u>
IT1(SW) Thomas James <u>Dep Aug2011</u>	IT1(SW/AW) Likeisha Bolden		IT1(SW) Justin Hopkins <u>Dep Jul2011</u>	IT1(SW) Ronnie Bonner		<u>VACANT</u> <u>E6</u>	
IT1(SW) Sherry Rice <u>Dep Feb2012</u>				IT1(SW) William Kennedy <u>Dep Apr 2011</u>		IT1 Travis Peterson Rpts: May 2011	
IT1(SW/AW) Thomas Cooper				Barrie Smith Cont. (Odyssey)			
IT1(SW) Aaron Crawford				ITC Wayne Holloman Rpts Sep2011			



# NMCSO Regions U.S. & Possessions





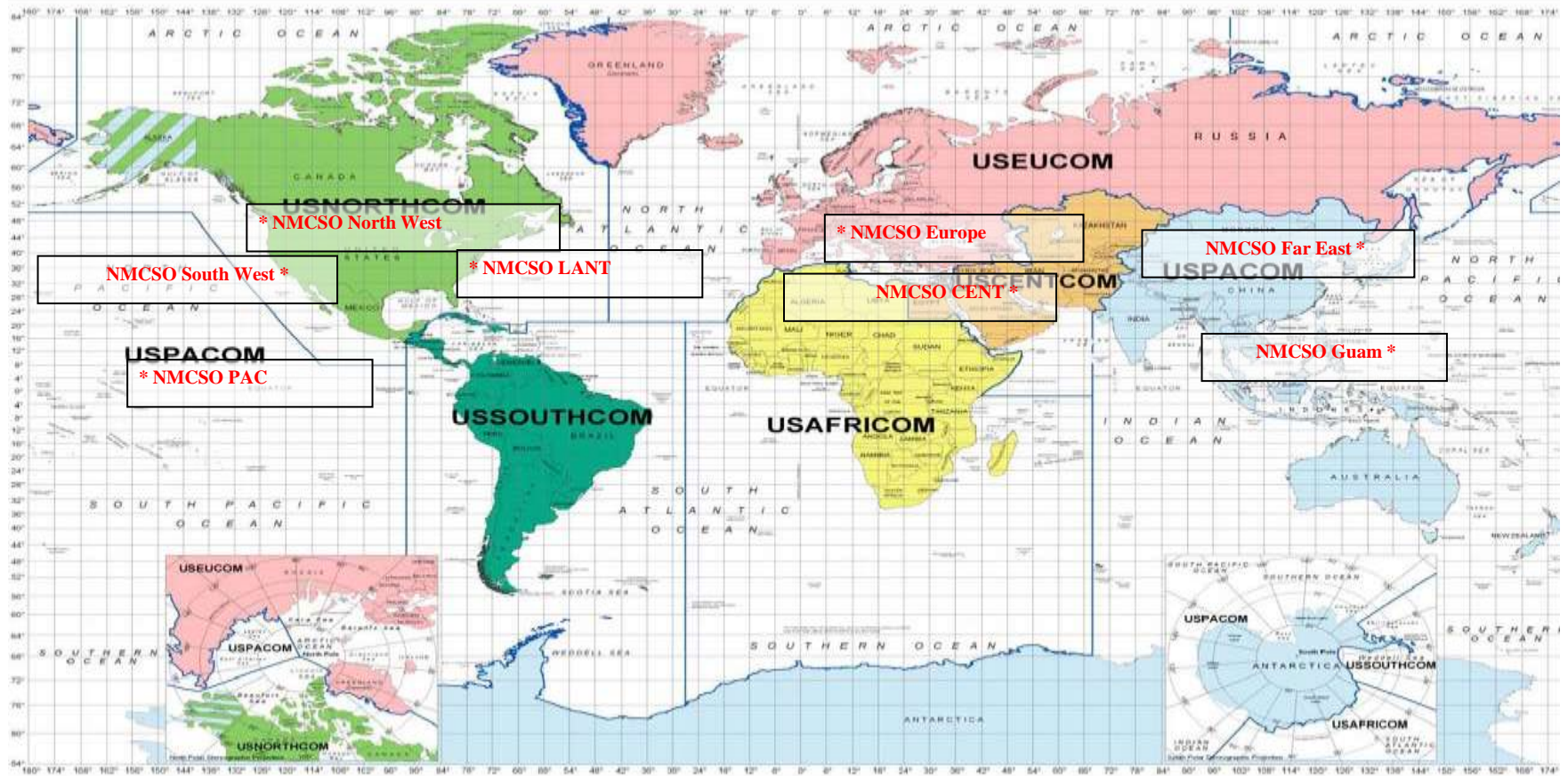
# NMCSO Regions



HE WORLD 1:60,000,000

THE WORLD WITH COMMANDERS' AREAS OF RESPONSIBILITY

EDITION 8 NGA SERIES  
BASED ON  
UNIFIED COMMAND PLAN  
17 DECEMBER 2008



RIES 1107  
ITION 8 NGA



PREPARED AND PUBLISHED BY THE  
NATIONAL GEOGRAPHIC INTELLIGENCE AGENCY  
AT LOUIS, MD  
MAP INFORMATION AS OF 2008

State of Alaska assigned to USNORTHCOM's  
Area of Responsibility. Forces based in Alaska  
remain assigned to USPACOM.

1:60,000,000  
MILLER CYLINDRICAL PROJECTION

The 1950 Israel proclamation that  
Jerusalem be the national capital is  
not recognized by the United States.

\* West Bank and Gaza Strip - Israeli-occupied with current  
status subject to the Israel - Palestinian Interim Agreement -  
provisions status to be determined through further negotiation.

COPYRIGHT 2008 BY THE UNITED STATES GOVERNMENT  
NO COPYRIGHT CLAIMED UNDER TITLE 17 U.S.C.

MAP EFFECTIVE 17 DECEMBER 2008

USERS SHOULD REFER CORRECTIONS, ADDITIONAL AND COMMENTS TO THE NSA ENTERPRISE SERVICE DESK:  
UNCLASSIFIED EMAIL: SYSTEMS/SECURITY/CENTERS/DIRNSA.MIL; SUPPORT: ESC@DIRNSA.BAM.MIL  
OR WRITE TO: DIRECTOR, NATIONAL GEOGRAPHIC INTELLIGENCE AGENCY, ATTN: ESC, 6000 BTCP D-360, 2500 CANTONMENT ROAD, BETHESDA, MD 20816-4000

UNCLASSIFIED EMAIL: SYSTEMS/SECURITY/CENTERS/DIRNSA.MIL; SUPPORT: ESC@DIRNSA.BAM.MIL  
OR WRITE TO: DIRECTOR, NATIONAL GEOGRAPHIC INTELLIGENCE AGENCY, ATTN: ESC, 6000 BTCP D-360, 2500 CANTONMENT ROAD, BETHESDA, MD 20816-4000

THE REPRESENTATION OF BOUNDARIES  
IS NOT NECESSARILY AUTHORITY





# NMCSO Regions Outside CONUS



- **Pacific**: Hawaii, all Pacific Rim countries (less the countries listed under NMCSO Far East) and those ocean areas under the cognizance of USPACOM.
- **Far East**: Japan, Korea, Diego Garcia, Singapore and coastal waters therein.
- **Bahrain**: Gulf Cooperative Council (GCC) countries and ocean areas under the cognizance of USCENTCOM, specifically the Red Sea, the North Arabian Sea, and the Persian Gulf and portions of the Indian Ocean area.
- **NorthWest**: Alaska
- **Europe**: European/African countries and those ocean areas under the cognizance of USEUCOM and USAFRICOM.
- **Atlantic**: All countries and ocean areas under the cognizance of USSOUTHCOM and within Forth fleet AOR.



# In depth briefing Shore /Afloat



- Agenda outline: Follow-on briefers will provide relationship between shore and afloat spectrum management and regional NMCSO offices.
  - ◆ NMCSO PAC (Randall Hall): Shore Support
  - ◆ NMCSO LANT (Janet Baker): Afloat Support
  
- Both briefs will provide insight to the new NTP-6 and Fleet Forces Command Annex K on spectrum management
  - ◆ Navy – NTP-6(E) “Navy and Marine Corps Spectrum Management Operations Users Manual”
  - ◆ FLEET COMMOPLAN (ANNEX K) Appendix 5 “Electromagnetic Spectrum Management”



# NMCSO

## Afloat Spectrum Support



- Regional NMCSOs are the focal point for processing all afloat spectrum management requirements within region of responsibility.
  - Management of common communications plans
  - Review, validation and posting of temporary COMPLAN frequencies
  - TACAN assignments in some NMCSO regions
- Follow applicable service regulations and guidance:
  - Navy – NTP-6(E) “Navy and Marine Corps Spectrum Management Operations Users Manual” (new)
  - FLEET COMMOPLAN (ANNEX K) App5 (new)
  - Marine Corps – MCO 2400.2a “Marine Corps Management and Use of the Electromagnetic Spectrum
  - COCOM directives for OCONUS and applicable service regulation.
  - and more



# NMCSO Vs Fleet Support



NMCSO	FLEET AREA OF SUPPORT	TACAN Assignment Scheduling	Common AESOP CSG/ESG OPTASKCOM Development /Processing/ 5Yr Reviews	CSG/ESG Plan Scheduling	AESOP OPTASKCOM Processing/ Validation and Sub-assignments	Frequency Proposal Processing (New&Temp)	Afloat Training Assist	EMI Conflict Resolution Assist	EWRIT Assist and SM Afloat Reviews	RADAR Restriction Development / Guidance
PAC	C3F/C7F		X			X	X	X		X
LANT	C2F/C4F	C2F/C4F	X	X	X	X	X	X	X	X
EUR	C6F					X	X	X		
CENT	C5F	C5F	X	X	X	X	X	X		X
NW	C3F NW					X	X	X		
SW	C3F SW					X	X	X		
GUAM	C7F					X		X		
FA	C7F		X			X	X	X	X	X



# NMCSO

## Shore Spectrum Support



- Regional NMCSOs are the focal point for processing shore spectrum requirements within respective Region of responsibility (ROR).
- All shore commands, activities, installations, bases, stations, camps, posts, and units, both active and reserve are responsible for RF emissions originating from within the physical limits of assigned areas as outlined in NTP-6 and other guidance therein.



# Spectrum Management Immediate Challenges for NMCSO



- Implementation of:
  - NTP-6 “Electromagnetic Spectrum Guide”
  - Annex K Appendix 5 “Electromagnetic Spectrum Management”
    - ◆ Fleet Forces Command OPORD 2000 / U.S. Pacific Fleet OPORD 201 / U.S. Naval Forces Europe OPORD 4000
  - Review and update of Fleet Commanders OPORD Guidance
  - HQ CNIC and Joint Basing SM Guidance for “Installation Spectrum Managers and others” at REGIONAL Commander Naval Installation Commands (CNIC)
- **Training and Educating:** Greater involvement from regional NMCSOs in initiating and conducting Education/Training seminars.
- Implementation of new Fleet Forces Command Annex K App 5 and NTP-6 guidance to ensure fleet and Shore spectrum support requirements are carried out.
- Supporting our military and civilian requirements professionally and administratively.



# *Accomplishment*



- **Manning**
  - Looking good. Military rotations and detailer working personnel transfers to fill NMCSO E6/E7/E8 positions. Six vacancies within next 6 months.
  - Civilian Government Service positions being filled, few vacant positions.
- **NMCSO businesses process improvement**
  - Implementation and an increased in Fleet spectrum support from other regional NMCSOs. NMCSO LANT and CENT already provide excellent fleet support.
  - Decreased incidents of fleet interference through better AESOP use
  - Significant decreased in the overall amount of overdue frequency assignment reviews. Although is a continuous battle
- **Humanitarian Relief Spectrum support (Haiti/Dominican Rep/Philippines/Pakistan)**
- **Marine Corps Order 2401.2A “Marine Corps Management and Use of the Electromagnetic Spectrum” (Works Well with others) 😊**



**QUESTIONS?**