



Navy Marine Corps Spectrum Center (NMSC)

**USN-USMC Spectrum Conference
San Diego, Ca**

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March 8, 2011**

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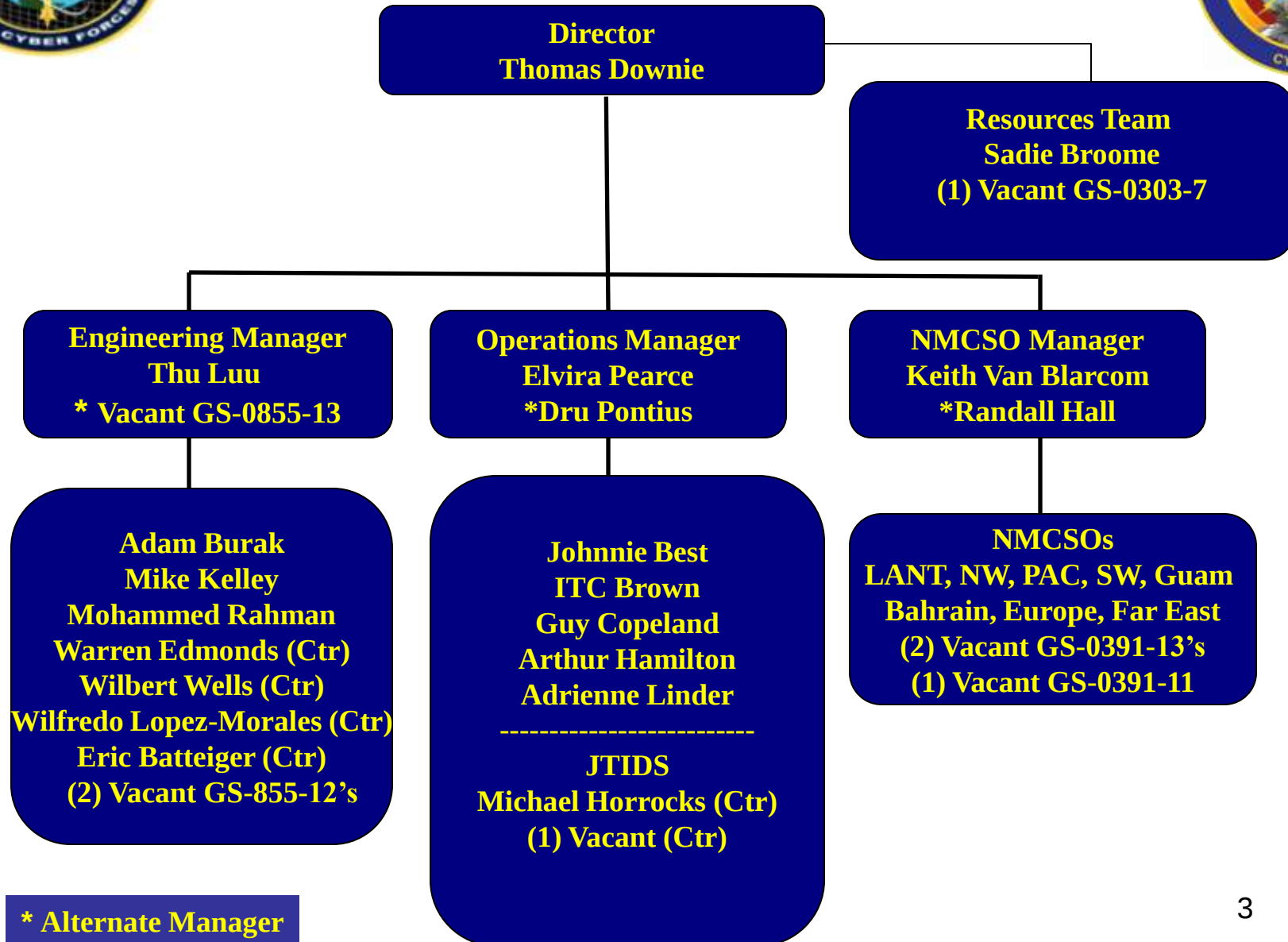
OUTLINE



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NMSC Organization





This is not your Father's Navy







Knowledge Management



With Today's Technology, Why is KM Important?

Data Overloaded – Information Camouflaged



World War I:
30 wpm
Field Phone



World War II:
60 wpm
Radio



Vietnam:
100 wpm
SATCOM



Gulf War:
192,000 wpm
Networked
Computers



War in 2010:
1.5 trillion wpm
Wideband Datalinks



wpm - words per minute



What drives us in Cyber



- ❑ Finding right signal (information), right time, anywhere in the Electro Magnetic Spectrum (EMS)



- ❑ Sharing data

- ❑ Understanding relevance

- We have found the needles, now we are looking for the needle in a stack of needles

- ❑ Generating the right effects...in milliseconds

**Search through
the EMS... continuously**

- 100,000+ registered ships
- 312,000 active general aviation aircraft
- 800 active satellites in 2006
- 19 countries produce cruise missiles
- 1,000,000,000 cell phones





Reality



- **We are in desperate need of spectrum education...up, down and all around. We all need to pay attention here! Do not waste time or money. Stay in the room and learn. Please...do this!**
- **NMSC moves to Ft. Meade on July 30th, 2011 (140 days or so)**
 - NMCSO SW (San Diego) will be your POC during our move.
 - No degradation of service.
- **Opportunity.**
 - take advantage of Thursday's Workshops (OPS and Engineering).
 - ask questions, get answers!
 - to busy in DC to answer every email and phone call. **IMPOSSIBLE!! We do the best we can...be persistent.**



Reality

(cont)



- **Importance of Accurate Data.**
 - Spectrum Data Call(s).
- **Programmatic Responsibility.**
 - Who is ultimately responsible? Naval Officer, Senior Civilian or Contractor?
- **Strategic Communications.**
 - Information Flow...who needs what, by when?
 - What is the intent?
 - What do you expect to achieve?
 - What was accomplished?
- **JTRS...experience says, time to pay more attention to this. Lots still to do....but does need to happen.**



Reality (cont)



- **Times are changing!**
 - we have to change with them and, we must be smart about it.
- **New Programs**
 - SXXI On-line, SMITI, STITI, Stepstone etc.
 - rolling into GEMSIS? How many years away?
 - sustaining today's tools....tomorrow is a long way from now.
 - training, proficiency and then sustainment (Title X)
- **Articulation of Issues....must be succinct, factual.**
- **Our jobs are more important now, then they've ever been.**



Reality (cont)



- **Outstanding Team....not without challenges though.**
 - spectrum certification backlog issue being addressed.
- **Statistically, the best in the Govt.**
 - frequency assignments.
 - the best FAS Rep in the govt works for us!
- **Very Proud Of The Organization!**



DRU HARD AT WORK!!!





NMSC Points of Contact



NIPR E-Mail: navyspectrum.fct@navy.mil

SIPR E-Mail : navy.spectrum@navy.smil.mil

SIPR CAS Website: <http://205.0.132.75/don/so/site.nsf>

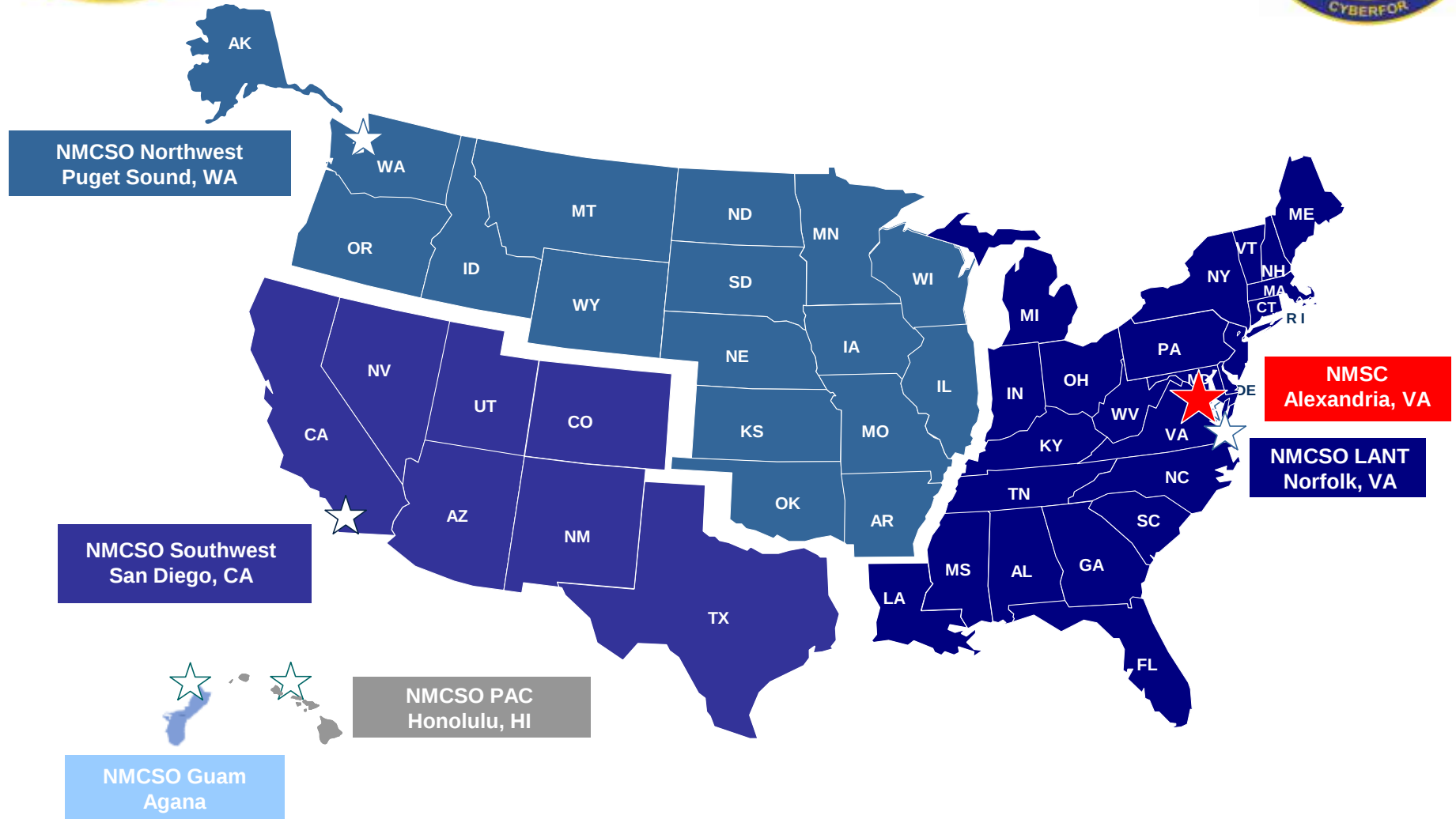
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Questions?



NMSC Areas of Operation within the United States and Possessions







NMSC Mission



- Per OPNAVINST 2400.20F, NNWC has designated the NMSC as the Navy and Marine Corps Center of Excellence for radio frequency and spectrum management.
- Support the Operational Electronic Warfare (EW) Spectrum Dominance directorate at NNWC.
- Exercise control of the electromagnetic spectrum for the Department of the Navy (DON) to support fleet/force operations.
- Review, coordinate, and process applications for equipment/system frequency allocations. CNO responsible for approval.
- Procure, protect, coordinate, allocate, and assign radio frequencies required within the DON at the National Level.



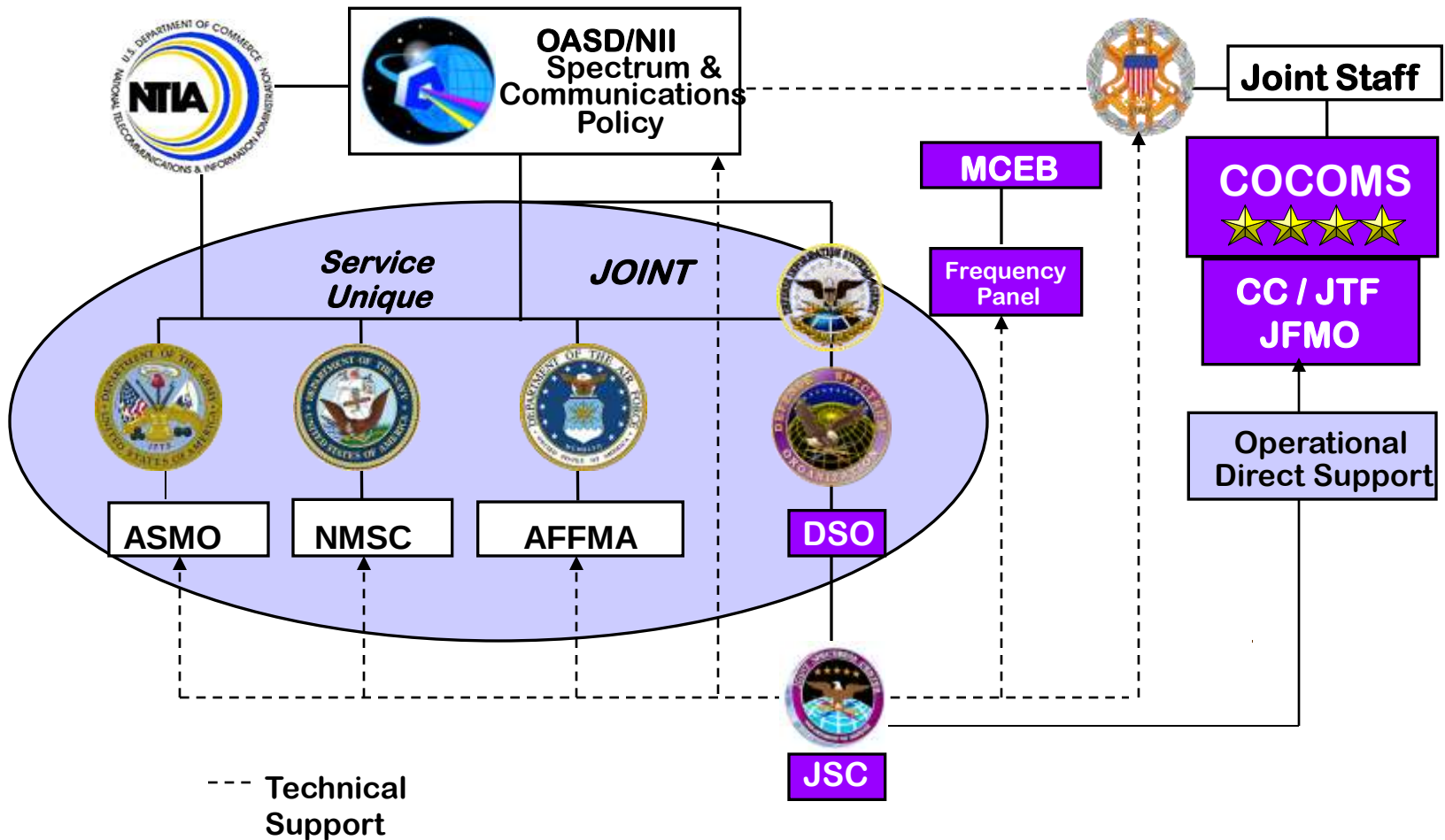
NMSC Mission (cont'd)



- Consolidate ashore spectrum management functions into regional support centers to support Naval afloat and ashore activities and commands.
- Represent the Department as directed in the proceedings of joint, national, and international electromagnetic spectrum management (SM) activities.
- Assist in developing and promulgating policies, procedures and guidance for DON use of the electromagnetic spectrum.
- Provide technical guidance and conduct analyses as required for total spectrum supportability of DON equipment and systems.



DOD Spectrum Management





Military Communications-Electronic Board (MCEB) Frequency Panel (FP) Structure

