



Marine Corps Network Operations and Security Center

AFCEA Quantico

13 Jul 2011



MCNOSC Mission

MCNOSC directs global network operations and computer network defense of the Marine Corps Enterprise Network (MCEN) and provides technical leadership ... in support of Marine and Joint forces operating worldwide.

Vision: We arm the Marine Corps for success on the network-centric battlefield by enabling secure, global information exchange across the full spectrum of operations.



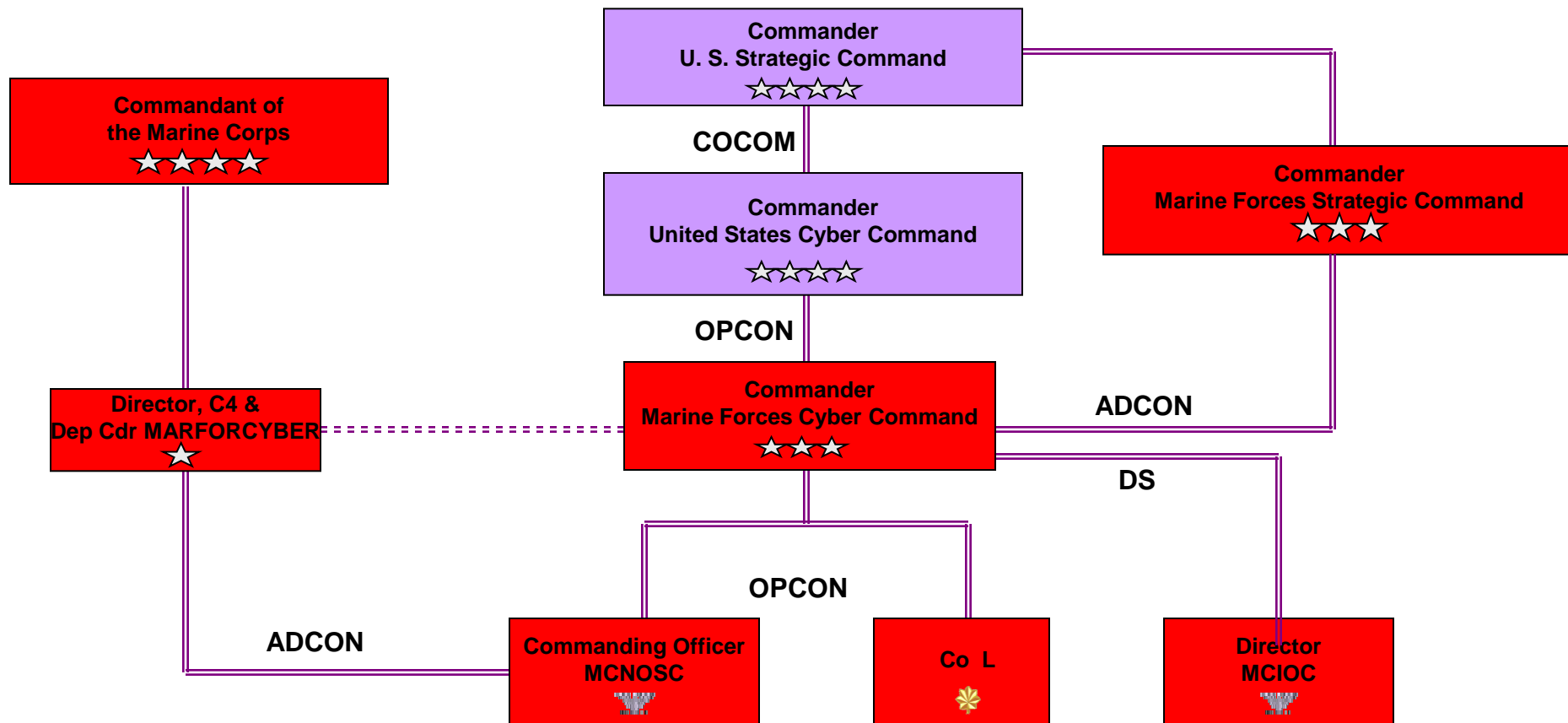
MCEN

The MCEN encompasses the **entirety of the Marine Corps'** general service (**NIPR and SIPR**), common user **network environment**, to include all communication circuits and attached devices and systems. The MCEN is comprised of the garrison network (**both NMCI and Legacy**), **deployed/tactical networks**, and infrastructure that supports access to Defense Information Systems Agency (DISA) managed **mainframe computer services**. The MCEN is the Marine Corps portion of the overall DoD Global Information Grid (GIG).

Total MCEN NIPR Hosts: 115K+ (Garrison & Deployed)
Total MCEN SIPR Hosts: 25K+ (Garrison & Deployed)



Command Relationships



- MCNOSC located at MCB, Quantico
- Company L, Marine Cryptologic Support Battalion located at Ft. Meade
- MCIOC= Marine Corps Information Operations Center, MCB Quantico



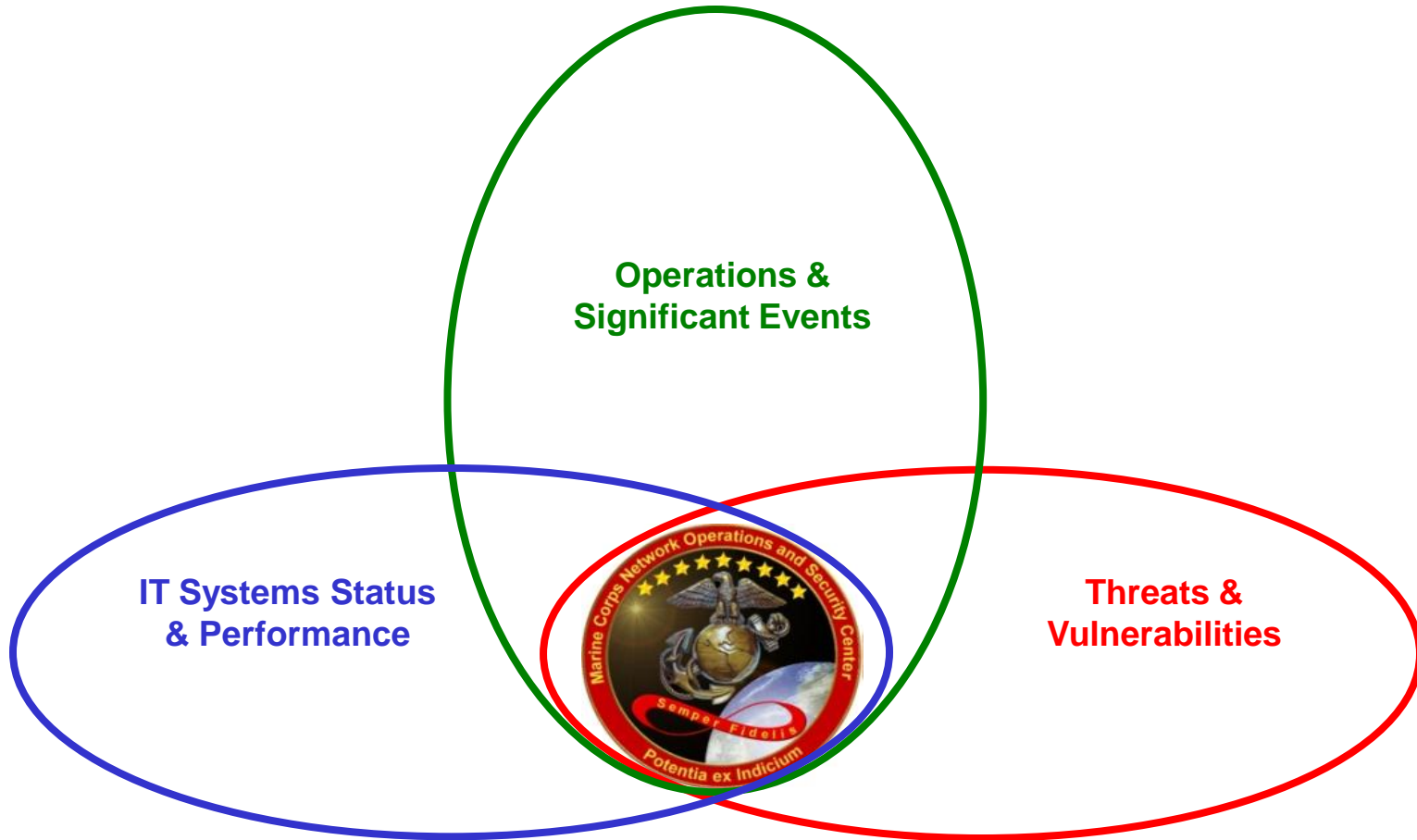
Focus on Operating Forces Worldwide

- 24/7/365 Reach through NETOPS C2
 - Operations Center
 - Enterprise Services
 - CERT
- Deployed Support Teams
 - Predeployment training
 - Exercises & Operations
 - Custom Support to MARFORS & MEFS



Centralized Management & Decentralized Execution Across the MCEN & Around the World

Pulling the Operational Picture Together

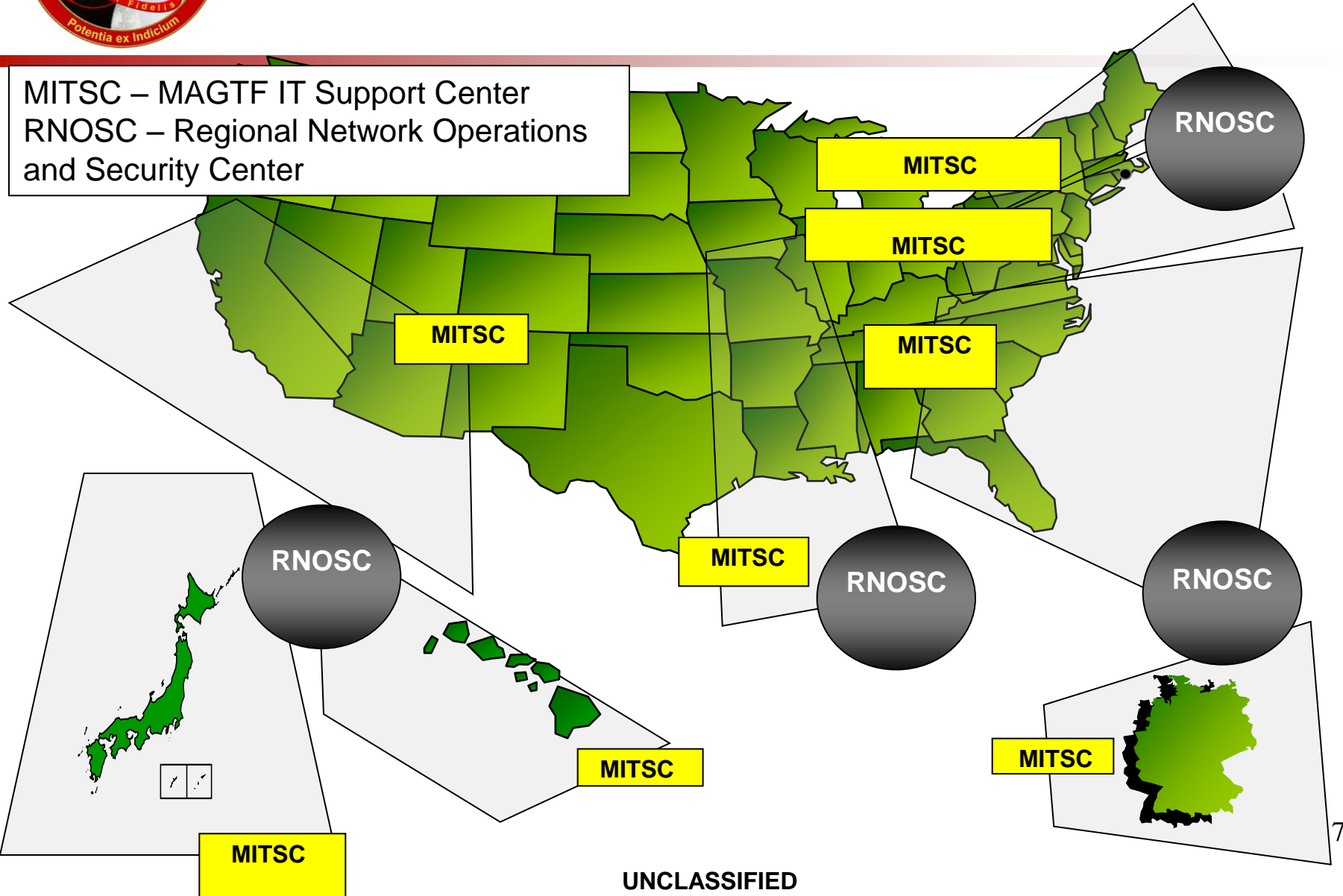


Goal – gain & maintain global situational awareness to enable effective 24x7 protection



RNOSCs, MITSCs Locations

MITSC – MAGTF IT Support Center
RNOSC – Regional Network Operations and Security Center





Marine Corps Enterprise IT Services (MCEITS)

- Enterprise Application Hosting and Portal Services
- Achieved Initial Operational Capability for Unclassified Capabilities on 6 Jul 11
- Scheduled IOC for Classified Capability in Fall of 11
- (3) MCEITS consists of (3) functional organizations:
 - Systems Integration Environment (SIE)
 - Enterprise IT Center (EITC)
 - MCEITS Operations Center (MOC)

MOC and EITC are 24X7 operations and as such personnel will be subject to shift work in support of O&M activities.



Knowledge Based vs Data Feed Defining what a Commander needs

- Incident Tracking

- Vulnerability Management

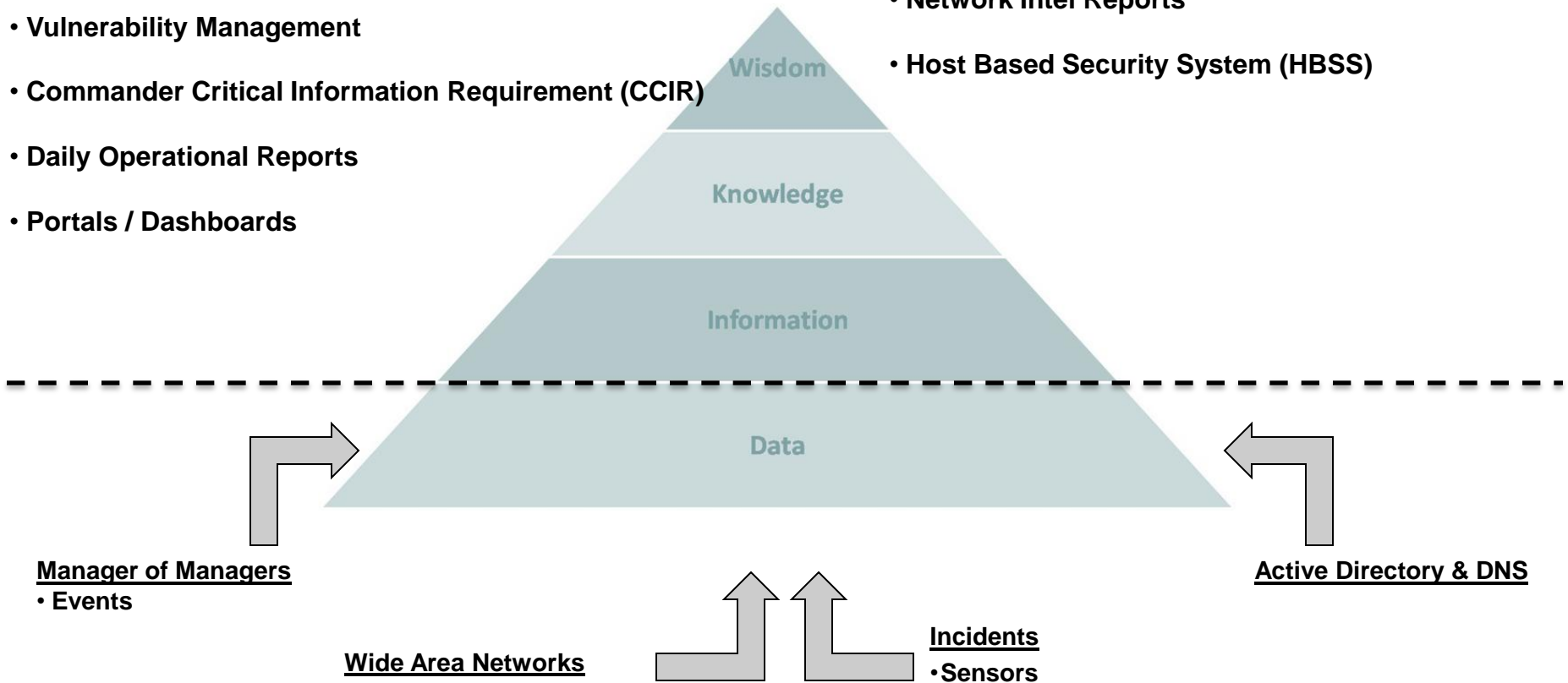
- Commander Critical Information Requirement (CCIR)

- Daily Operational Reports

- Portals / Dashboards

- Network Intel Reports

- Host Based Security System (HBSS)



Guard against target fixation on the display rather than the decision to be made



Priorities and Initiatives

- Operational and Defense Priorities
- Operational Initiatives
- Cyber Defense Initiatives



How to contact us

MCSC – PG10 Science and Technology Team

- Mission: To interface with vendors in order to identify Information Systems and Infrastructure (IS&I) solutions that satisfy existing/future needs and requirements of programs within PG-10
- Responsible for assessing IS&I solutions and developing a knowledge base that is shared across programs for consideration for potential insertion of technology in the Marine Corps

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Questions?

