



# **Marine Corps Cyberspace Operations Group (MCCOG)**

AFCEA

Quantico – Potomac Chapter

Colonel Wendy Goyette

Commanding Officer

26 January 2017

Overall Classification: **UNCLASSIFIED**



# MCCOG Legacy

*"The entire operation was directed by Navajo code...Were it not for the Navajo code talkers the Marines never would have taken Iwo Jima" – Major Howard Connor, 1945*



Native American Code Talkers used their complex languages and dialects to enable secure and rapid communications during World War I and World War II.

Operating and defending today's digital communication networks is very similar to the historic employment of Code Talkers in the protection of voice communication.



***Code Talkers Hall***

## Conventional Threats



## Non-Conventional Threats







# Change in Mission – IT to Cyber

Information Assurance /  
Computer Network Defense

Administrative Efficiency  
Assure the Network Vulnerability-Focused Compliance Processes Attrition

THEN/NOW

Assure the Mission Shape Secure

Enemy-Focused Actions

Build, Configure, Operate, Maintain

Cyber Threat Emulation

Discovery & Counter-Infiltration

Cyber Readiness

Mission Protection

Cyber Support

Defensive Cyberspace Operations

Intelligence

Fires

Protection

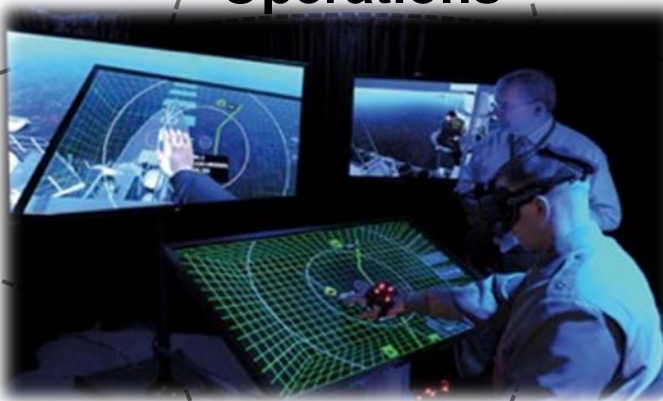
Movement & Maneuver

Sustainment

Command & Control

DoDIN Operations

Warfighting





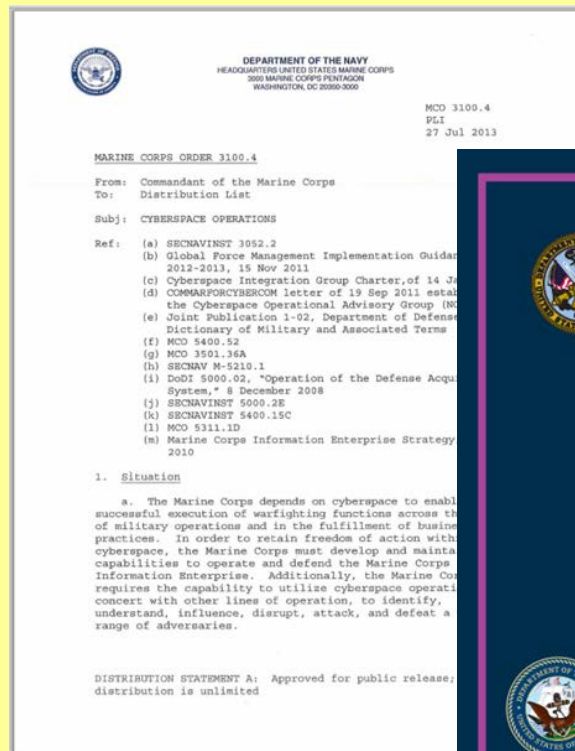
# Mission

The Marine Corps Cyberspace Operations Group (MCCOG) executes:

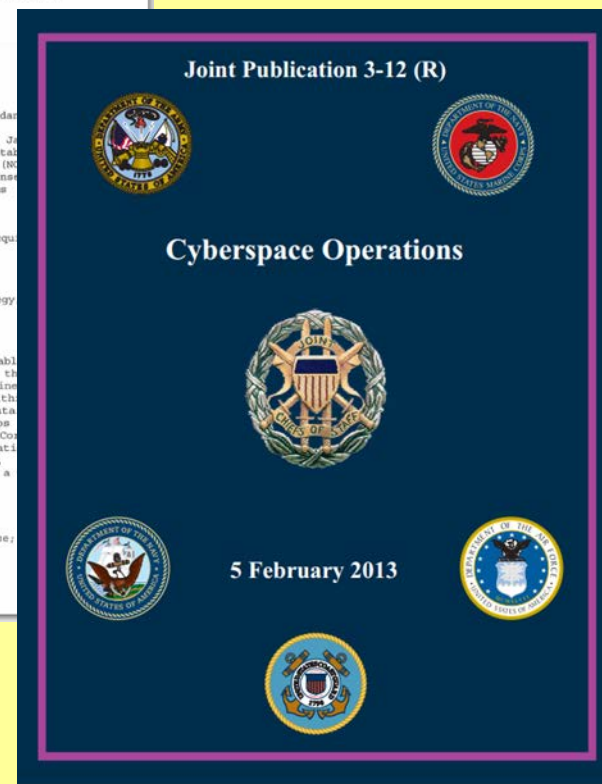
- Department of Defense Information Network Operation (DoDIN OPS) and
- Defensive Cyberspace Operations (DCO)

in order to enhance freedom of action across warfighting domains, while denying the efforts of adversaries to degrade or disrupt this advantage through cyberspace.

***“The Marine Corps depends on cyberspace to enable the successful execution of warfighting functions across the range of military operations and in the fulfillment of business practices.”***



**JP 3-12 & MCO 3100.4  
Cyberspace Operations**



***“Warfighters Supporting Warfighters”***

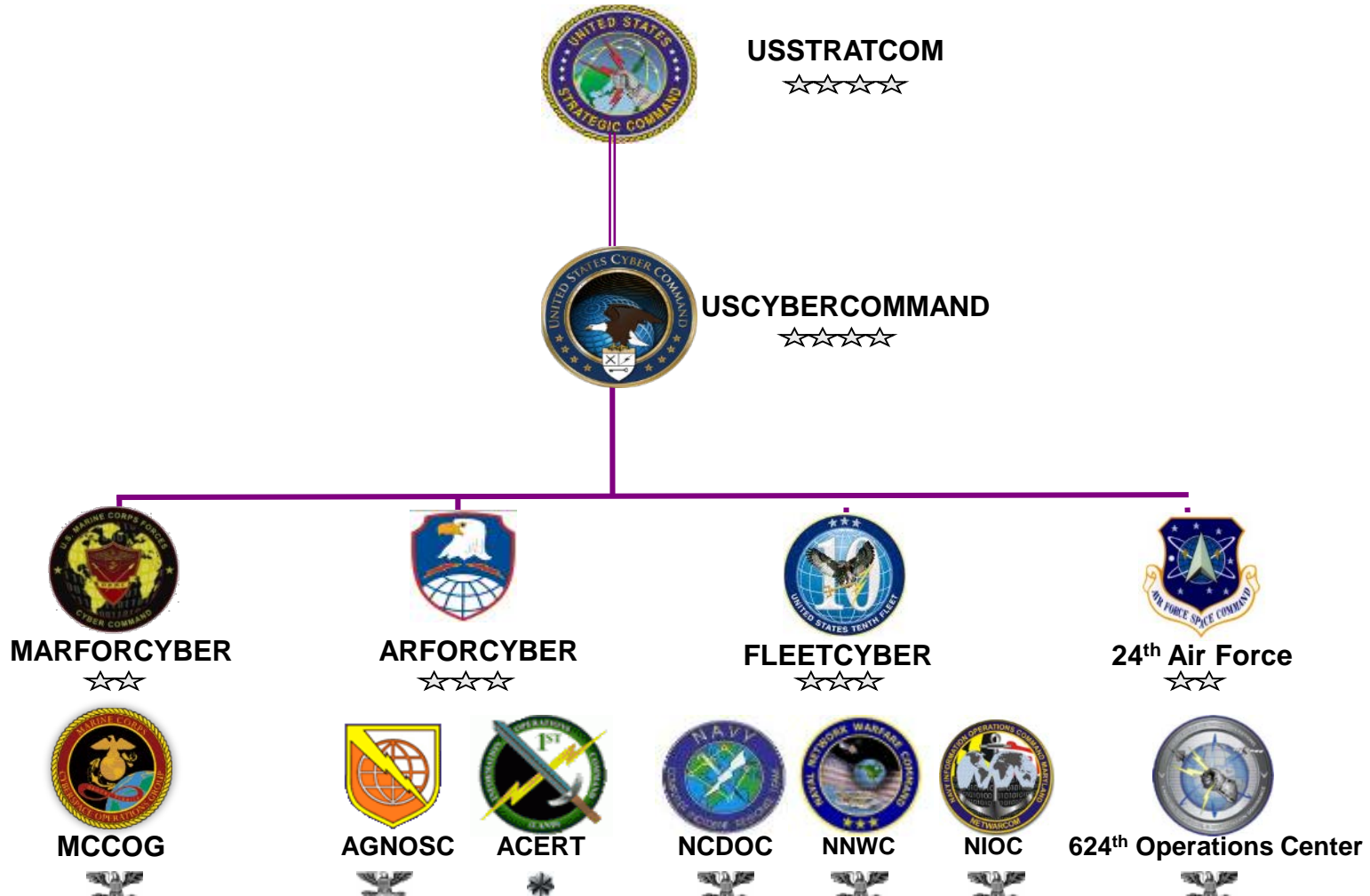


# Lines of Effort

- Operate and Defend the MCEN
- Innovate
- Provide Engaged Leadership

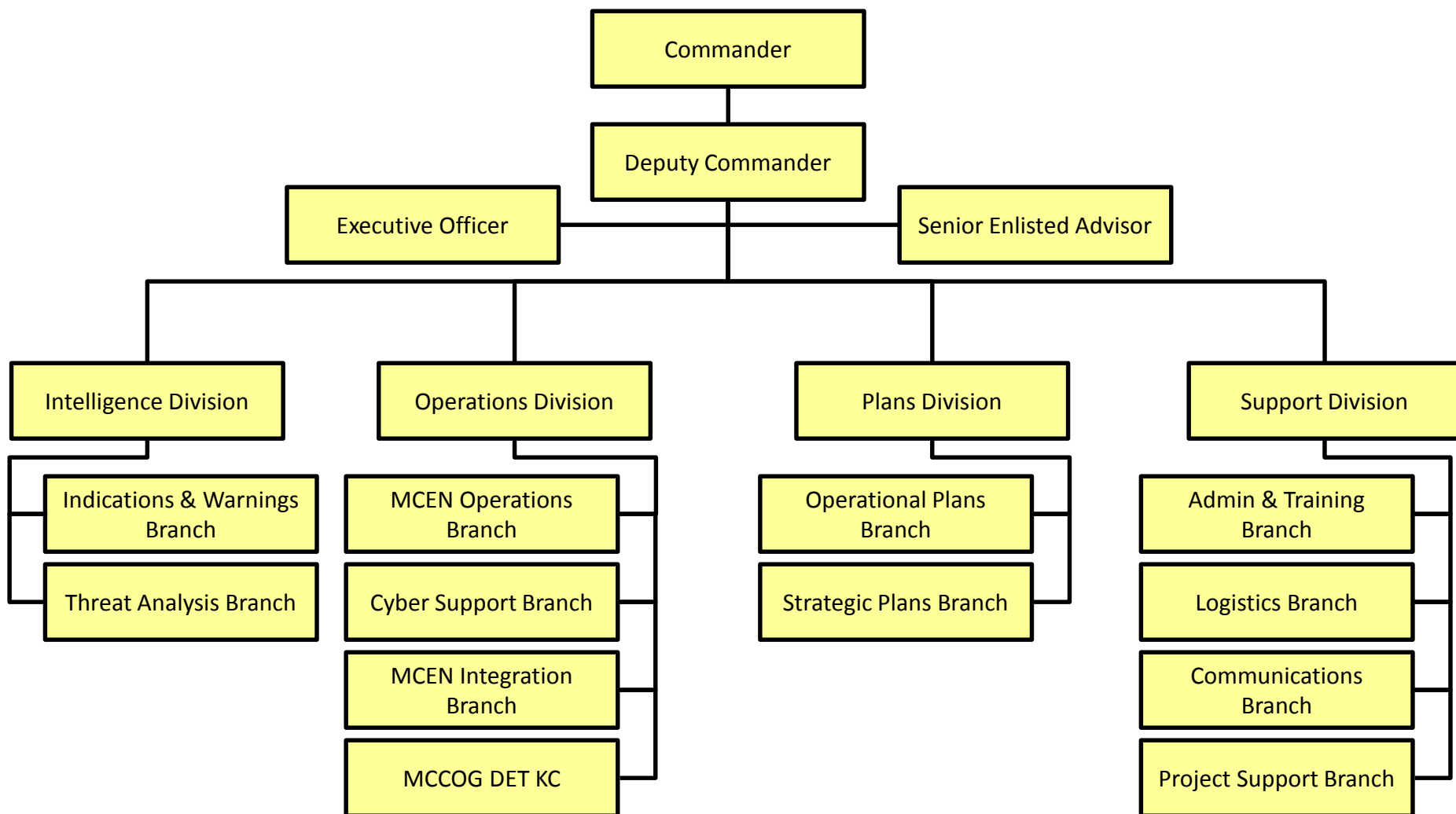


# Cyberspace Task Organization





# Organization





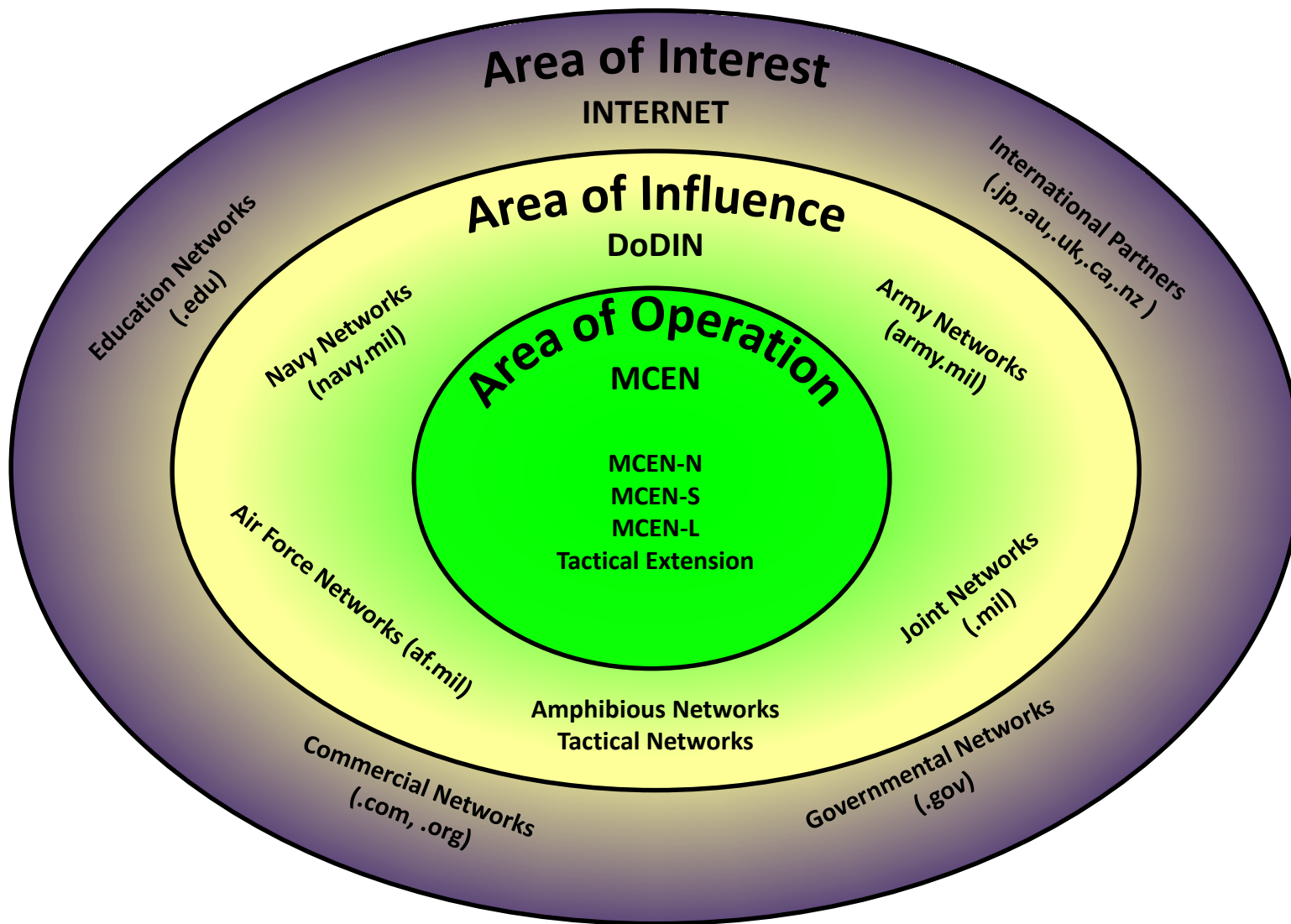


# Global Presence





# Battlespace





# Operational Support

- MCEN Operations and Defense
  - 24/7/365 Operations Center
  - Enterprise Services
  - Network Infrastructure
  - Sensor Management
  - Event Monitoring
- Deployed Support
  - Pre-deployment technical assistance
  - Shipboard integration/optimization
- Exercise Support
  - Advise and train MAGTF
  - Assess, secure & harden exercise networks
- Cyber Protection Teams
  - Defensive cyberspace operations - "maneuver element"





# Cyberspace Security Provider (CSSP)

## Protect

Vulnerability Assessments  
INFOCON Management  
External Assessments  
Malware Protection  
Support & Training  
IAVM Oversight

## Detect

Network Security Management  
Attack Sensing and Warning  
Indications & Warning

## Respond

Incident Reporting (IR)  
Incident Handling and Response  
(IHR)  
Incident Analysis (IA)

## Sustain

Program Management  
Personnel  
Security Administration  
Information Systems

**A CSSP provides cybersecurity services to implement and protect the DoDIN.**

***-DODI 8530.01 07 Mar 2016 & SISO Memo 06 Jul 2016***





# Challenges / Opportunities

- Cyber Focus for Workforce Skillsets
  - Evolve and expand current training
  - Future Force 2025 / Cyber MOS
  - Keep pace with growing threats and emerging technologies
- DoD/Industry Security Partnership
  - Increase knowledge and awareness in defense of the internet and American interests
  - Share best practices and threat information
  - Maximize partnerships in a resource constrained environment
- Defense of the Cyber Persona
  - Tactics to defend the cyber persona in the future battle, especially key targets



# Questions

*"To better collaborate with joint, allied, coalition, interagency and non-governmental partners, we will continue to develop and leverage enterprise and tactical digital interoperability solutions."*

General Joseph F. Dunford, Commandant of the Marine Corps  
"36th Commandant's Planning Guidance" 2015



**THE EFFECTIVENESS WITH WHICH WE OPERATE AND DEFEND  
THE MARINE CORPS WARFIGHTING NETWORK  
INFLUENCES OUTCOMES ON THE BATTLEFIELD.**

*"Like war itself, our approach to warfighting must evolve...As Marines have always done, we will continue to seek new opportunities and develop solutions that maintain an overwhelming tactical advantage over any adversary."*

General Robert B. Neller,  
Commandant of the  
Marine Corps  
"A Message from the 37<sup>th</sup> Commandant," October 2015