Case Study: Cyber Operations from 1990 - Present

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Agenda

- Army Cyber Operations
- Background
- Fires Battle Lab
- National Training Center
- Network Enterprise Technology
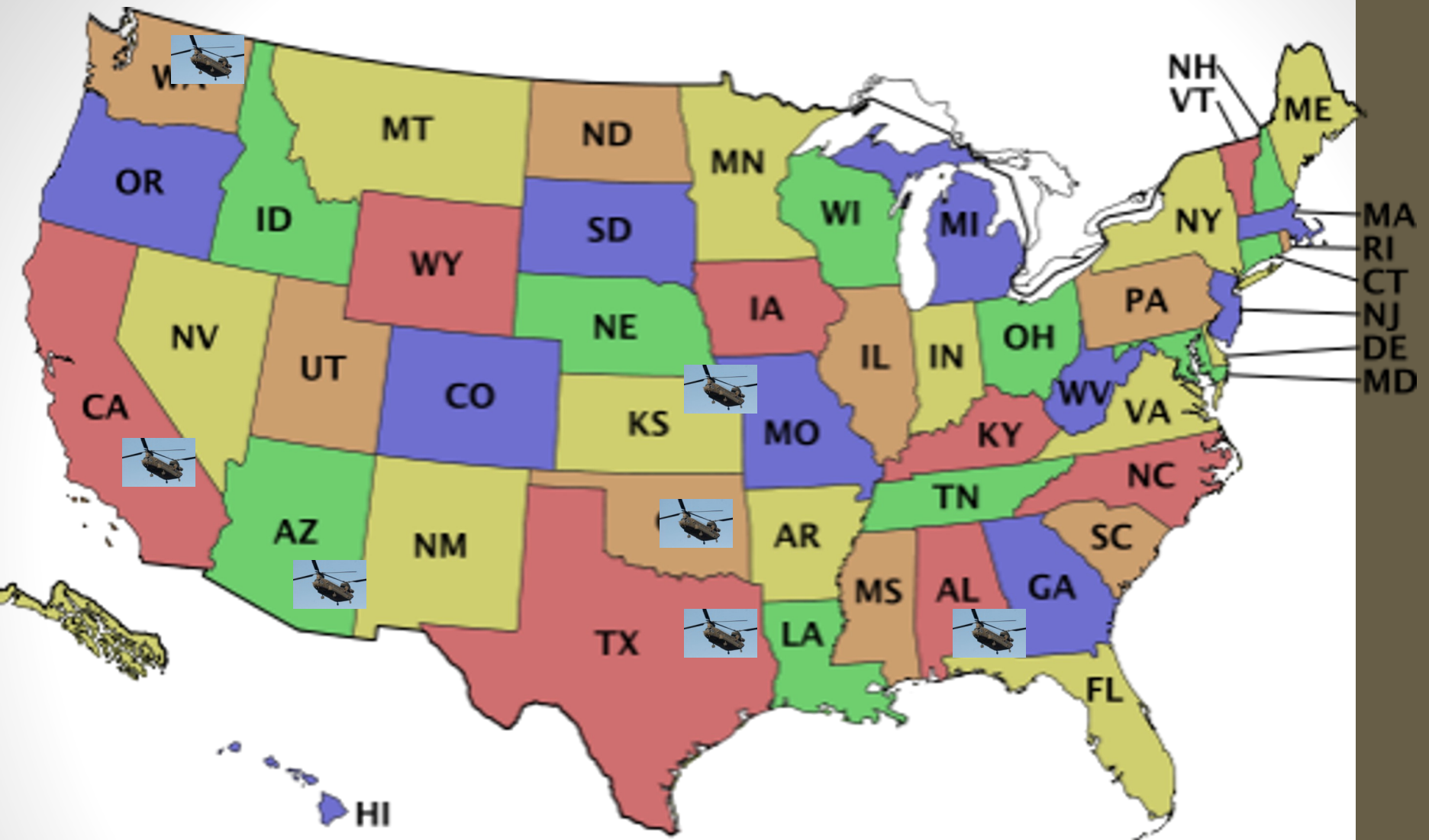- Washington State House of Representatives
- Questions

US Army, Lieutenant Colonel (LTC)
22 years Active Duty
Aviation, Airborne, Air Assault

2LT Boehnke, January 1991

States: Alabama, Oklahoma (2), Texas, Kansas (3), California, Arizona, Washington State

Overseas: South Korea, Israel, Iraq, Afghanistan

CDID Mission & Roles

Develop Fires related concepts, requirements, and experimentation to validate DOTMLPF integrated combined arms capabilities that complement other joint, interagency, and multinational capabilities. Acts as the user representative to the materiel developer for FA and AMD systems.

CONCEPTS	EXPERIMENTATION	REQUIREMENTS	CAPABILITY MANAGEMENT
Develop initial concepts; identify initial requirements and solutions	Refines ideas, concepts, solutions, prototypes and evolving technologies	Derive and further define requirements for solutions	Warfighter's rep in the fielding and life cycle management of current and future solutions

Essential Tasks

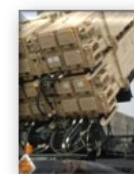| TRADOC Core Functions	Key Tasks	CDID Division
Concept Development		CDD
	Concept & Scenario Review	
	Concept Capability Plan Development	
	Organization Development	
	Support OE Development	
Requirements Development		RDD
	Operational Architectures	
	Spiral Development Documentation	
	Materiel Rqrmts & Development Analysis	
	Capability Based Assessment	
	Test and Evaluation Support	
	Science & Technology	
	Studies and Analysis	
Experimentation		Fires Battle Lab
	Modeling and Simulations	
	Experimentation & Wargaming	
Capability Management		TCMs
	System Integration	
	Support System Life Cycle Management	
	Functional Integration	

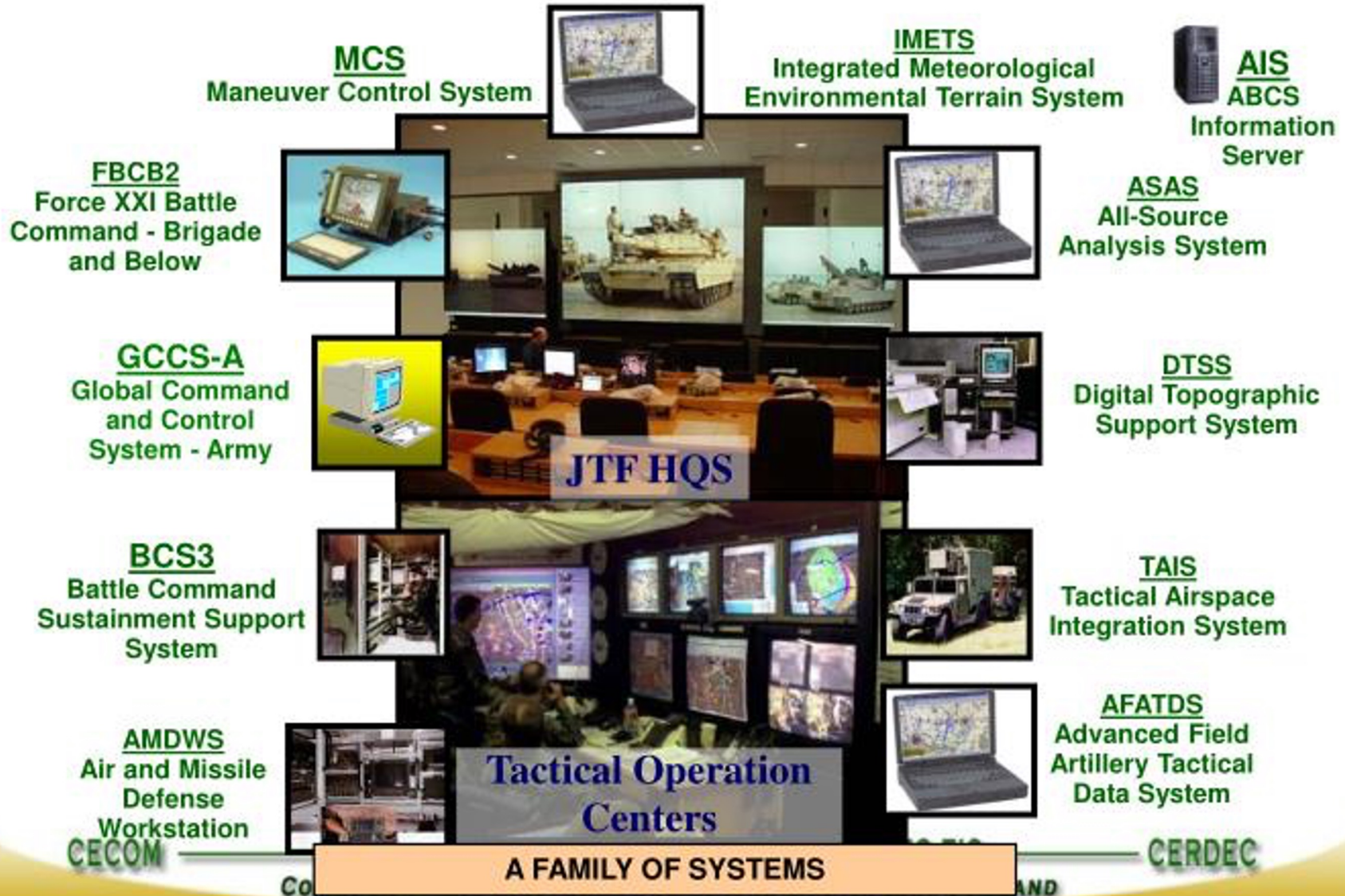Doctrine   Organization   Training   Materiel

Leader Development   Personnel   Facilities
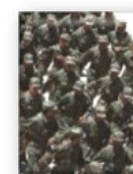
- Resource Informed
- Integration Focused
- Outcome Based
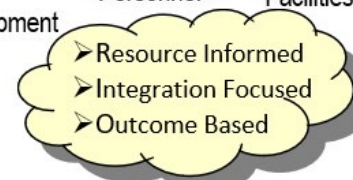
Serves as the Capability Developer for Change by…delivering Fires capabilities to our Army.

Fort Irwin
Expansion Proposal

Expansion Boundary
Desert Tortose Critical Habitat
BLM
Dept. of Defense
National Park / Preserve
Private Lands
State Lands

0   5   10 Miles

Death Valley
National Park

China Lake
Naval Weapons Center

Fort Irwin
Military Reservation

178

127

58

Expansion
Area

Expansion
Area

Mojave
National
Preserve
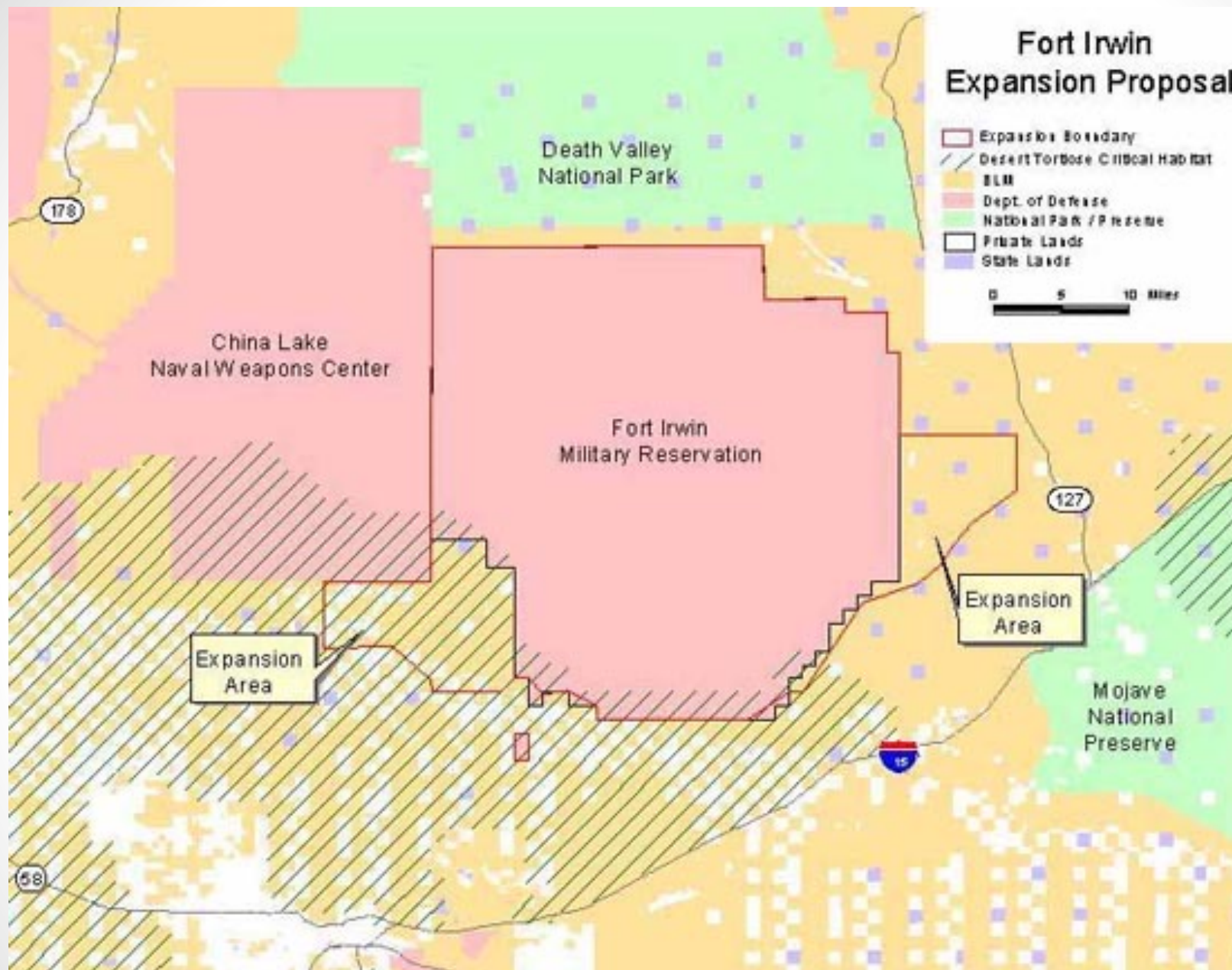
NETCOM.ARMY.MIL
U.S. ARMY NETWORK ENTERPRISE TECHNOLOGY COMMAND

U.S. ARMY

U.S. ARMY
NETWORK ENTERPRISE TECHNOLOGY COMMA
VOICE OF THE ARMY

Command Group

Helpful Links

AKO ARMY KNOWLEDGE ONLINE   DCS DEFENSE COLLABORATION SERVICES

milSuite   ATAAPS

DTS   CHECK ENTERPRISE WEBMAIL

ATN U.S. ARMY Army Training Network   Cpol

milConnect Powered by DMDC   UNIFIED CAPABILITIES ENTERPRISE CONTENT MANAGEMENT AND COLLABORATION

MARS   iSALUTE

Mission and Vision

VOICE OF THE ARMY

Mission Statement

NETCOM leads global operations for the Army's portion of the DODIN, ensuring freedom of action in cyberspace while denying the same to our adversaries in support of multi-domain operations.

Vision Statement

NETCOM 2030 is the premier communications organization and information services provider to all DODIN-Army customers worldwide, ensuring all commanders have decision advantage in support of mission commmand within the multi-domain environment.

OPERATIONS

The Army network is a weapons system.
A well-defended and globally-extended network underpins all Army operations.

Multi-domain operations means developing combat options across all domains, including cyberspace and the information environment, to ensure the Army can fight and win.
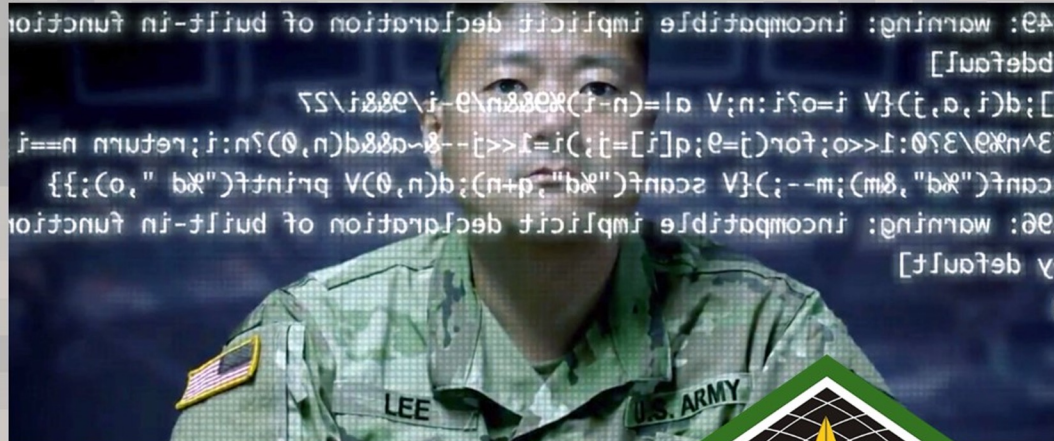
ARCYBER MISSION

U.S. Army Cyber Command integrates and conducts cyberspace, electronic warfare, and information operations, ensuring decision dominance and freedom of action for friendly forces in and through the cyber domain and the information environment, while denying the same to our adversaries.

ARCYBER PRIORITIES

▶ Aggressively operate and defend our networks, data and weapons systems

▶ Deliver effects against adversaries

▶ Increase lethality and improve readiness

▶ Attract, develop and sustain a world-class workforce

▶ Strengthen and expand partnerships

U.S. ARMY
CYBER COMMAND

OPERATE ▶ DEFEND ▶ ATTACK ▶ INFLUENCE

www.arcyber.army.mil ▶ www.army.mil/armycyber

@ARCYBER ▶ www.linkedin.com/company/10791785

U.S. ARMY CYBER COMMAND: THE NATION'S ARMY IN CYBERSPACE

ARCYBER LOCATIONS

Wiesbaden, Germany

Camp Walker

Fort Huachuca, AZ Fort Meade, MD

Fort Shafter, HI   Fort Belvoir, VA

Camp Arifjan, Kuwait

Fort Gordon, GA

HQ ARCYBER	Fort Gordon, GA	
NETWORK ENTERPRISE TECHNOLOGY COMMAND	Fort Huachuca, AZ	
JOINT FORCE HQ - CYBER (ARMY)	Fort Gordon, GA	
CYBER PROTECTION BRIGADE	Fort Gordon, GA	
1st IO COMMAND	Fort Belvoir, VA	
780th MI BRIGADE	Fort Meade, MD	

REGIONAL CYBER CENTERS	
RCC CONUS	Fort Huachuca, AZ
RCC EUROPE	Wiesbaden, Germany
RCC KOREA	Camp Walker
RCC PACIFIC	Fort Shafter, HI
RCC SW ASIA	Camp Arifjan, Kuwait

ARCYBER BY THE NUMBERS

Operations around the world,
around the clock:

▶ Global defensive, offensive and network operations
▶ $1.5 billion annual budget
▶ Approximately 6,500 Soldiers and 10,000 civilian employees and contractors
▶ Five worldwide Regional Cyber Centers
▶ 41 cyber teams in the active force
▶ 21 additional cyber teams being built by the Army's reserve component forces

The 16,500 uniformed and civilian men and women of ARCYBER deliver offensive and defensive cyberspace effects and network operations 24/7, defending critical DoD data, networks and weapons systems and empowering Army and joint force combatant commanders and maneuver elements around the globe.

THE ROAD TO FORT GORDON

ARCYBER elements previously spread across three Army installations in three states consolidated into state-of-the-art facilities at Fort Gordon, Ga., in 2020. Fortitude Hall, the command's headquarters:

▶ Serves as the focal point for ARCYBER's global operations
▶ Provides a base for institutional cyber training, establishes closer integration with Army Cyber Mission Force teams, and positions ARCYBER next to key partners that enhance its operations
▶ Increases Army readiness and technological superiority in the midst of changing threats, terrain and technology
▶ Enhances operational efficacy by establishing a single operations center for HQ ARCYBER and JFHQ-Cyber
▶ Drives progress, innovation and partnerships for ARCYBER, the Cyber Center of Excellence, Fort Gordon, the Army and the nation

⬤ Not Secure | mattboehnke.houserepublicans.wa.gov

Apps | CBC | Cyber | Bravocon/Leaders... | User Dashboard | Campaign | Outlook Web App | TIAA | Edward Jones | Kennewick, WA |... | AARotary Club of... | 25Live

WASHINGTON STATE HOUSE REPUBLICANS

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MATT BOEHNKE

REPRESENTING THE 8TH DISTRICT

Welcome to my website! I am humbled and honored by the opportunity you have given me to serve as your state representative and bring your voice and perspective to Olympia. I encourage you take a look around this site to learn more about me and how I'm serving our communities in the 8th. I also welcome you to scroll down on this page to sign up for my legislative email updates.

I have been in public service for much of my life, including 21 years in the Army and most recently as a Kennewick City Councilman. The Army's core values are summed up in the acronym LDRSHIP, which stands for Loyalty, Duty, Respect, Selfless Service, Honesty, Integrity, and Personal Courage. I aim to live by those values every day, and am fully committed to working across the aisle to help shape good public policy that will benefit our district and the state.

The 2019 session is scheduled to run 105 days, but please know I am here to serve you year-round. I welcome you to contact me anytime with your comments, questions or concerns.

It is an honor to serve you in the state House.

Rep. Matt Boehnke
R-Kennewick
(360) 786-7986 | matt.boehnke@leg.wa.gov

IN HONOR OF OUR VETERANS