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
States: Alabama, Oklahoma (2), Texas, Kansas (3), California, Arizona, Washington State
Overseas: South Korea, Israel, Iraq, Afghanistan
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.

### Essential Tasks

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<th>Key Tasks</th>
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<td>Concept Development</td>
<td>Concept &amp; Scenario Review, Concept Capability Plan Development, Organization Development, Support OE Development</td>
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<td>Requirements Development</td>
<td>Operational Architectures, Spiral Development Documentation, Materiel Rqmts &amp; Development Analysis, Capability Based Assessment, Test and Evaluation Support, Science &amp; Technology, Studies and Analysis</td>
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<td>Experimentation</td>
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<td>Capability Management</td>
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Serves as the Capability Developer for Change by...delivering Fires capabilities to our Army.
Army Battle Command Systems (ABCS)

- **MCS** Maneuver Control System
- **IMETS** Integrated Meteorological Environmental Terrain System
- **AIS** ABCS Information Server
- **ASAS** All-Source Analysis System
- **DTSS** Digital Topographic Support System
- **TAIS** Tactical Airspace Integration System
- **AFATDS** Advanced Field Artillery Tactical Data System

**JTF HQS**

**GCCS-A** Global Command and Control System - Army

**FBCB2** Force XXI Battle Command - Brigade and Below

**BCS3** Battle Command Sustainment Support System

**AMDWS** Air and Missile Defense Workstation

**Tactical Operation Centers**

**A FAMILY OF SYSTEMS**
Mission and Vision

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 command within the multi-domain environment.
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.

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: THE NATION’S ARMY IN CYBERSPACE

ARCYBER Locations

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
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 to 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 Boehrke
R-Kennewick
(360) 786-7986 | matt.boehrke@leg.wa.gov
IN HONOR OF OUR VETERANS
Thank you