

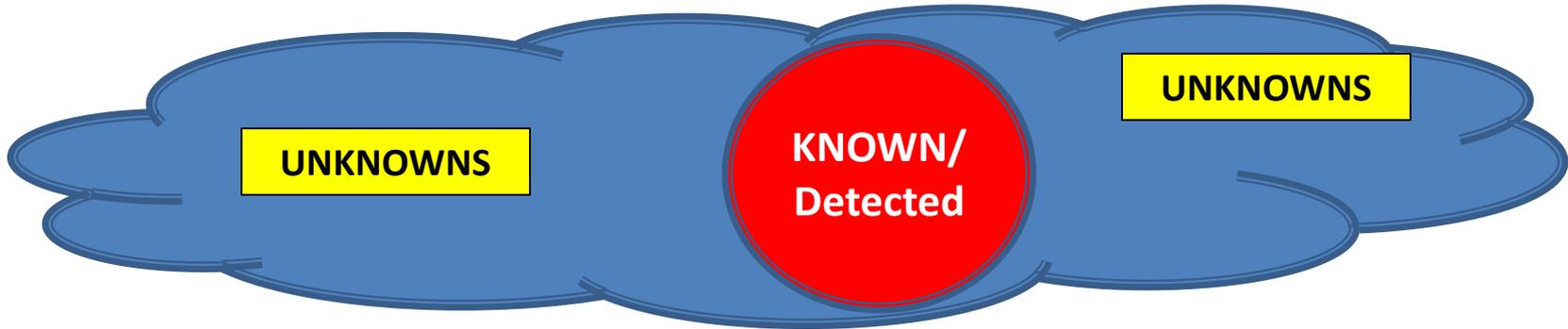


Army Cyber Command 2nd Army *“Second To None!”*

AUSA Panel Brief

11 October 2011

*“Transforming Cyberspace While at War...
Can’t Afford Not To!”*



- **Sophisticated** set of **Nation-States** and **other** actors
- **Constant** Activity on Army, DoD networks
- Known activity a **fraction** of adversary exploitation
- Known activity routinely exploits **known vulnerabilities**
- Targets & Intentions--**operational information & foothold expansion**

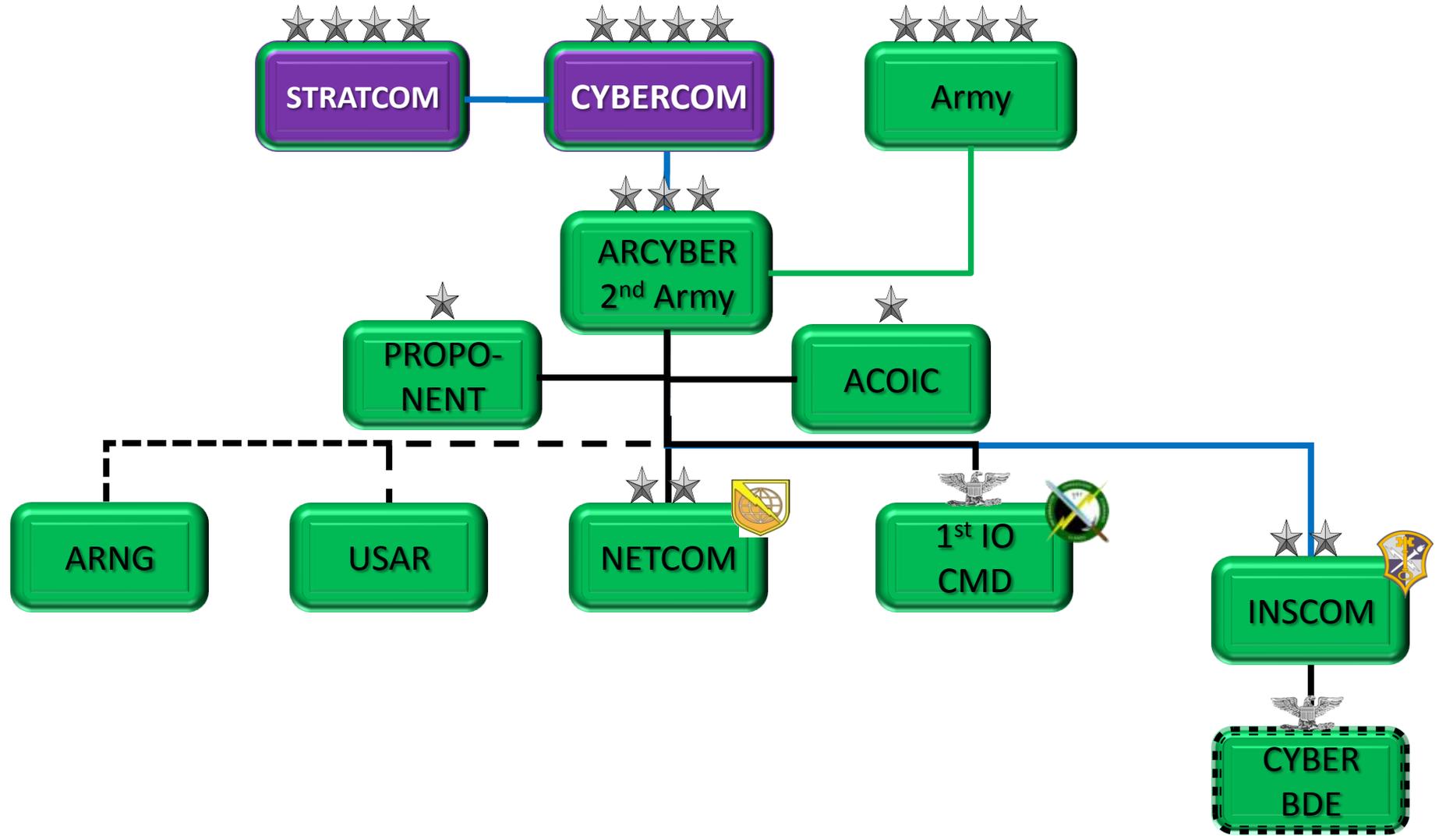
Operating in a Contested Environment Requires Situational Awareness and Improved Defenses



Cyberspace: A **global domain** within the information environment consisting of the **interdependent** network of information technology infrastructures, including the **Internet**, **telecommunications** networks, **computer systems**, and embedded **processors** and **controllers** (JP 1-02).

Army Cyber Command/2nd Army plans, coordinates, integrates, synchronizes, **directs**, and conducts network **operations** and **defense of all Army networks**; when directed, conducts **cyberspace operations** in support of full spectrum operations to ensure U.S./Allied **freedom of action in cyberspace**, and to deny the same to our adversaries.

- Serve as Cyber Proponent
- Conduct Information Operations



"Second to None!"



- **Integration with US Cyber Cmd and Service Components**
- **Operational Focus with Unprecedented Unity of Effort** in Operating and Defending All Army Networks
- Significant Contribution to **Operational Cyber Planning**
- Increased **Full Spectrum Capacity and Capability**
- Continued Focus on **Enterprise Capabilities**
- **Integrated Cyberspace Opns** in Major COCOM exercises
- Established a **Army Cyberspace Proponent Office**
- Aggressively Developing **Cyberspace Requirements**
- Producing **“Army Cyber 2020” Strategic Plan**

***Nation’s Force of Decisive Action –
Ready Today, Prepared for Tomorrow***

“Second to None!”



- Serve as **Service Component** to US Cyber Command
- Train, Organize and Equip - **Provide Trained & Ready Forces**
- **Defense of All Army Networks**
- **Proponency for Army Cyber**...Develop Requirements
- Develop Army cyberspace **Capabilities and Capacities**
- **Integrate Cyberspace** into Planning and Exercises
- Prepare to act as a **Cyber Joint Task Force Commander**
- **“Operationalize” Cyber for the Army**



“Second to None!”



- Integration of a **global cyber C2 architecture** (including regional “**Cyber Centers**” and Cyber Staff Elements)
- **Create near-real and CTC-like cyber training**; live, virtual, constructive, and interactive
- **Create a “World-Class Cyber Opposing Force”**
- **Support Prepare and Prevent pillars with Cyberspace Capabilities**—Intel and Warning (I&W), Operational Preparation of the Environment (OPE), Critical Infrastructure Protection, Theater Security Cooperation...

***Making the US Army “Second to None” in Cyberspace...
Training and Leader Development is the Key***



- **Integrated Cyberspace Capabilities**
 - Army Cyber Warriors--integrated in organizations & staffs
 - **Full Range of Cyberspace operations**--routine and pervasive
 - Nested with **Joint Global, Expeditionary Cyber** Constructs
- **Achieve Cyberspace Domain Superiority**
 - Cyberspace ops--**seize, retain, & exploit the initiative**
 - Seek the same level of **freedom to operate** that Army forces achieve in the Land domain
- **Ensure Mission Command**
 - **Mission Command is enabled by cyberspace capabilities**
 - Cyberspace Ops & Mission Command are **inherently linked**
 - Integrating construct for **cyber-related ops** & capabilities

Modernization to allow Soldiers to succeed in Full Spectrum Operations with a decisive advantage over any enemy we face

“Second to None!”



LINES OF EFFORT

LOE 1: Operationalize Cyber

LOE 2: Develop Army Cyber Capacity and Capabilities

LOE 3: Recruit, Develop, Retain Army Cyber Professionals

ENABLING ACTIVITIES

People as a Priority

Strategic Communications

Build Headquarters Functional Capacity

VISION:

Professional team of elite, trusted, precise, disciplined warriors defending Army networks, providing a full range of dominant effects in and through cyberspace, enabling Mission Command and ensuring a decisive global advantage...

SECOND TO NONE!

Nests & Complements 5 Pillars of DOD Cyber Defense Strategy



Vision: Professional team of

- Elite, trusted, precise, disciplined warriors
- Defending Army networks
- Providing dominant cyber effects
- Enabling Mission Command
- Ensuring a decisive global advantage
- **Meeting the Needs of the Nation**



***The Key to Cyberspace Operations is People, not Technology
People are our Army***