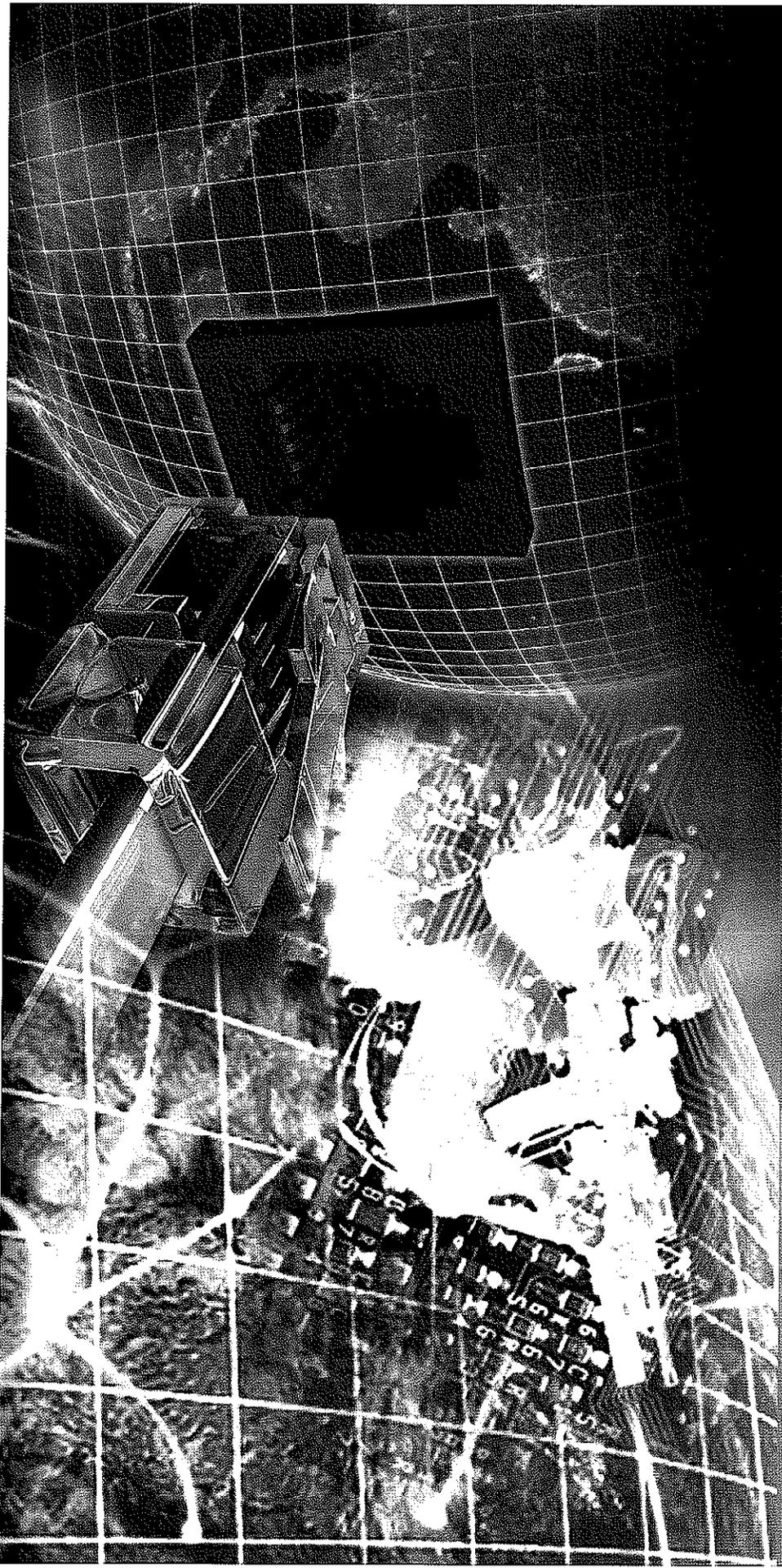


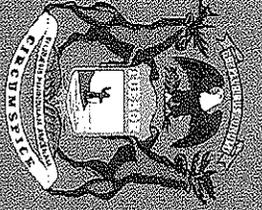
# Michigan National Guard

Michigan Cyber Summit 2013

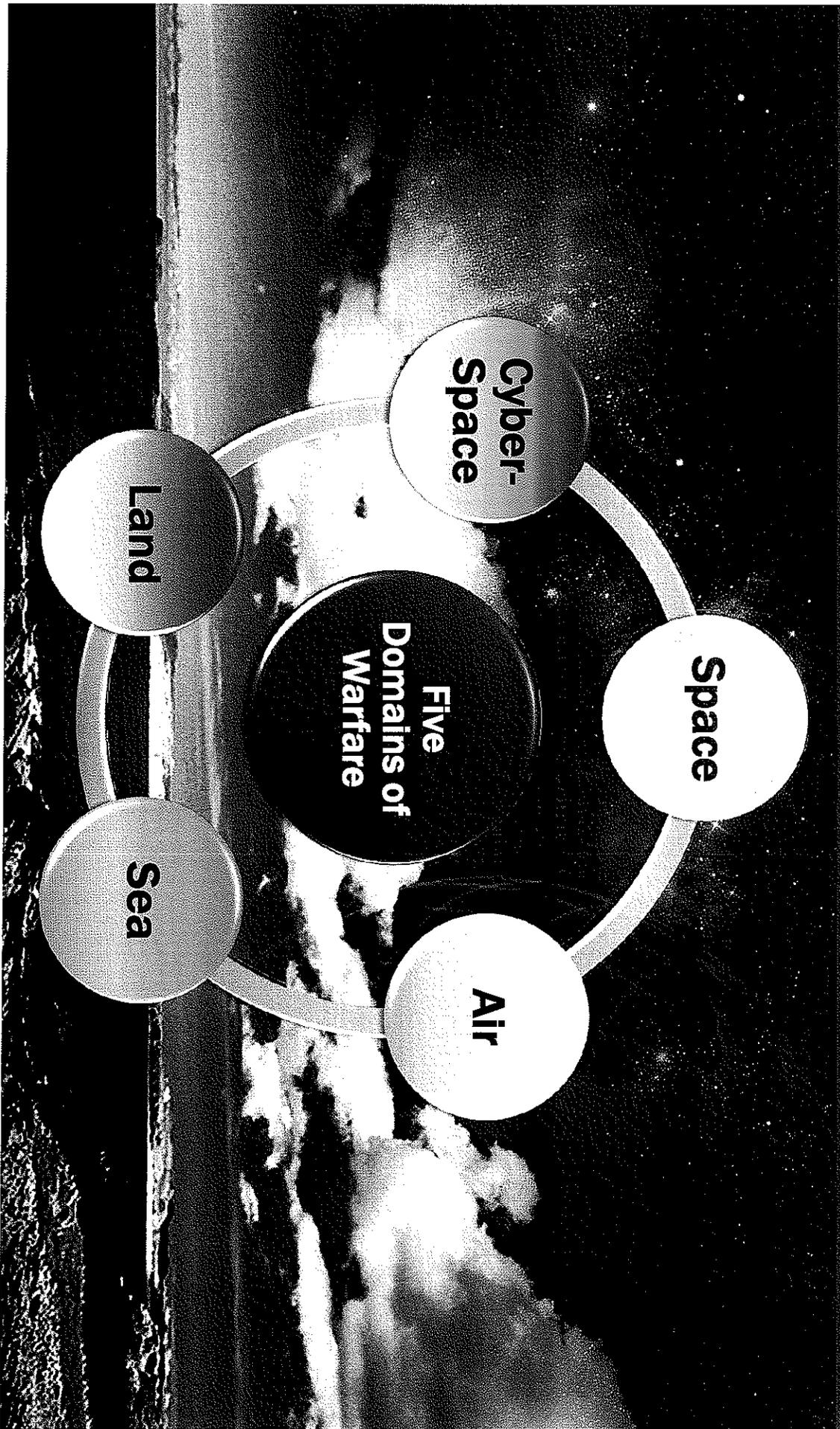


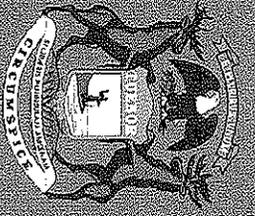
Major General Gregory J. Vadnais





# DOMAINS OF WARFARE

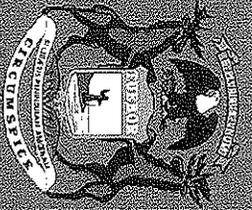




# CYBER EVENTS



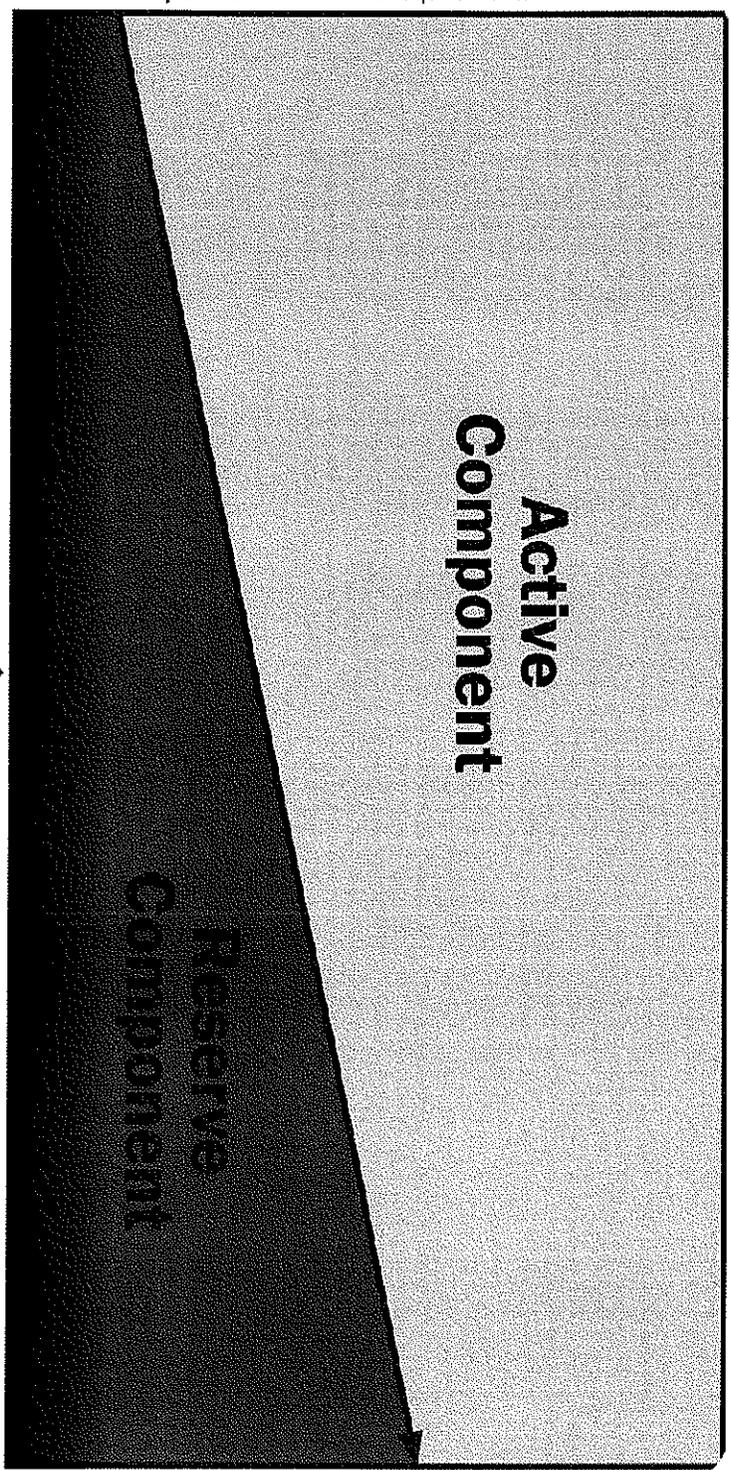
Date	Country	Target	Type of Attack	Sectors Effected
Sep-07	Syria	Nuclear Weapons Facility	Cyber/Kinetic	Military
Apr-07	Estonia	Critical Infrastructure/ Financial	Cyber/DDOS	Government Financial sector
Nov-07	Iran	Nuclear Weapons Facility	Cyber	Military
Aug-08	Georgia	Critical Infrastructure/ Military C2	Cyber/Kinetic	Government, Energy, Military, Financial
Aug-12	Saudi Arabia	Saudi Aramco	Cyber	Energy



# INVESTMENT METHODOLOGY



Optimized for full-time requirements



- Agility** - **Flexibility** - **Depth** - **Comprehensive**
- Agility** - **Flexibility** - **Depth** - **Comprehensive**

Optimized for ARNG

The National Guard will provide an enduring capability and capacity contributing to the full-scope of cyber mission profiles and operations





# MICHIGAN CYBER CAPABILITIES

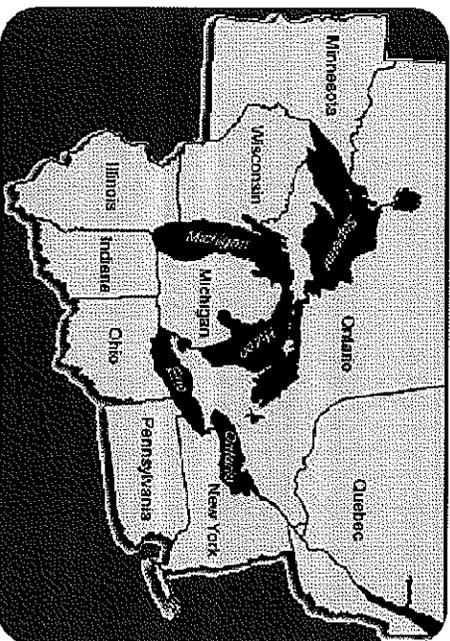


## ■ Cyber Capabilities

- MI Joint Cyber Operations Team (JCOT)
  - ARNG CND-T (8 PAX) - Lansing
  - ANG Cyber Team (7 PAX) - Battle Creek
  - ANG Information Operations Platform (IOP)

## ■ Intelligence Capabilities

- ARNG MI Company
  - 91 Soldiers
- ANG Intelligence Unit
  - 60 Airmen
  - 100+ Work Stations, SCIF (7,000 sft)
- Joint Reserve Intelligence Center
  - 200 Work Stations, SCIF (15,000 sft)
- Signal Capabilities
  - Three ARNG Brigade Signal Company
    - 117 Soldiers
  - Four ANG Communications Elements
    - 115 Airmen



## ■ Cyber Partnerships

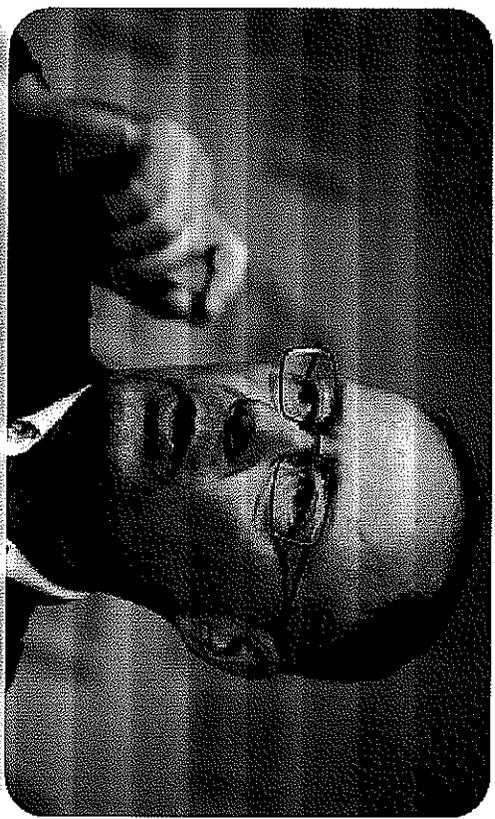
- MERIT NETWORKS - Cyber Range
- DTMB, MSP, DMVA
  - MI Cyber Disruption Response Strategy
- FBI, DHS
- EUCOM
- LATVIA
- Facility Support
  - 2 x Operational SCIF's
  - 2 x SCIF's starting construction



# Take Always



“Ultimately, it will take all stakeholders coming together to determine standing rules of engagement. Working with industry under new legislation, theory would be able to share information that an attack just hit their first line of defense with Department of Homeland Security, where it would they be spread out to the rest of government. Everyone sees the information at the same time.”



General Keith B. Alexander  
Commander, U.S. Cyber Command  
(USCYBERCOM) and Director, National Security  
Agency/Chief, Central Security Service (NSA/CSS)

“Congress needs to pass “cyber legislation” to encourage private companies to share data on cyber-threats”

- General Alexander

*“Your Michigan National Guard, Always Ready, Always There!”*



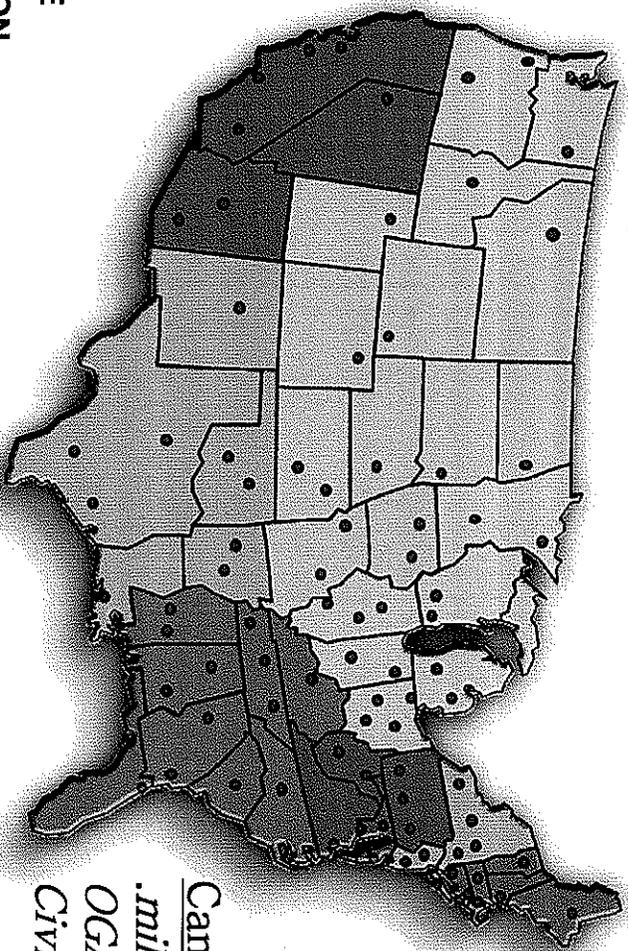
# CYBER IN THE GUARD



- EFFECTIVE
- EFFICIENT
- SYNERGY
- FEMA
- READY
- VESTED
- TRAINED
- RELIABLE
- INDUSTRY
- AVAILABLE
- ESTABLISHED
- EXPERIENCE
- HOMELAND DEFENSE
- AFNET/DoD MIGRATION

## Questions?

- SURGE CAPABILITY
- KNOWN NEED
- ADAPTABLE
- RESPONSE
- FLEXIBLE



Can Protect:  
*.mil &.gov (fed &State)  
OGAs (DHS and others)  
Civilian Infrastructure*

“The Distinct Advantage the Guard has over the Active Duty lies in its ability to **RETAIN TALENT**”