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# *Partnerships Between the Nebraska National Guard & Public / Private Industry*



# AGENDA



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- Introductions
- Cyber Flag 19 Overview
- NPPD Partnership Benefits
- NENG Partnership Benefits
- NENG Cyber Capabilities
- Future Engagements



# ACRONYM KEY



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- NENG – Nebraska National Guard
- NPPD – Nebraska Public Power District
- CYBERCOM – US Cyber Command
- SOP – Standard Operating Procedure
- DoDIN – Department of Defense Information Network
- DCO – Defense Cyber Operations
- DCO-RA – Defense Cyber Operations – Response Actions
- DSCA – Defense Support of Civil Authorities



# LES



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## CYBER FLAG 19





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## CYBER FLAG 19



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- Purpose
  - Continue building the community of defensive cyber operators and improve the overall capability of the US and partner nations to defend against cyber aggressors.
- Objectives
  - National Guard and Reserve force training
  - Private Sector representatives
  - TTP sharing at the tactical level
  - Build capability to conduct DCO outside standard IT networks
- Design Elements
  - Incident response exercise where teams “deploy” to a compromised network
  - ICS SCADA focused terrain



**LES**



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# CF19 TEAM COMPOSITION

- Core Blue Team
  - Cyber Defenders
  - All Military
- Mission Owner
  - Executive/Senior Leadership
  - Civilian & Military
- Local Network Defenders
  - On site Cyber & System Administrator Personnel
  - Civilian & Military



**LES**



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## CF19 ATTENDEES

- Department of Defense
- National Security Agency
- Federal Bureau of Investigation
- Five Service Components
  - Army
  - Navy
  - Air Force
  - Marines
  - Coast Guard
- Department of Energy
- USCYBERCOM
- Department of Homeland Security
- National Guard
  - Four States
- Foreign Partners
- Civilian Partners





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## CF19 EXECUTION

- Week 1
  - Academics
  - Network Validation
- Week 2
  - Vulnerability Periods (Hot Range)
  - Lessons Learned
  - Distinguished Visitor Day
  - Observer Day
- Notes
  - Partners should attend most, if not all, of the exercise
  - Time Intensive
  - Big Ask





# PARTNERSHIP BENEFITS



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## NPPD

- Enhanced knowledge of the Guard and cyber capabilities
- Built a familiarity between Guard personnel & NPPD & LES staff
- Provide a glimpse into how hard it is to defend our networks and some opportunities for improvement



# PARTNERSHIP BENEFITS



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## NEBRASKA NATIONAL GUARD

- Training with experienced industry professionals
  - Integrated Operations
- SOP development
  - DoDIN Operations v. DCO-RA
  - Developing cyber guidance for DSCA response
    - Authorities
    - Regulations
  - Provide assessments
- Additional Training opportunities



# NENG CAPABILITES



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- Cyber Protection Team (CPT)
  - NE, MO, AR
  - 11 Soldiers (NE)
    - Counter Threat Emulation
    - Forensics
    - Cyber Support
    - Inspections & Readiness
    - Counterintelligence in Cyberspace
- Defense Cyberspace Operations – Element (DCO-E)
  - 15 Soldiers
    - DoDIN Operations
    - Defense Cyber Operations
    - Incident Response
    - Assessments



# NENG CYBER SUPPORT



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- Incident Response – “Bridge the Gap”
  - Identify and Contain
  - Liaison to DHS/FBI
- Threat Intelligence Sharing
- Request Process
  - Starts with local Emergency Declaration
  - Nebraska Emergency Management Agency (NEMA)
  - Notification/Request to National Guard
  - Task Cyber Assets
- Response v. Training – What’s the cost?



# FUTURE ENGAGEMENTS



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- NERC GridEx exercises 2021
- Cyber Shield 2020
- Vigilant Guard 2020
- Developing State Cyber Exercise 2021
  - Nebraska Applied Research Institute (NARI)
  - NEMA
  - NENG
  - Industry Drill (like Prairie Storm)
  - State University Support



# QUESTIONS



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