

# Cybersecurity T&E

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*“T&E in a Time of Risk and Change”*

Mr. Karl “Das” Glaeser  
Deputy Director, Navy T&E  
N942B

# Challenges and Opportunities

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- The Cyber T&E ‘requirement’
  - Effective, Suitable & Survivable in a cyber contested environment
  - Move from compliance mentality to capability impact
- Great cyber T&E talent in the DoN
  - Challenging to obtain and keep them
- Difficult to sync all things cyber, trending positive
  - High 9s, SYCOMS/PMOs, NAO, OTAs...all have a hand
- Navy T&E and TRMC developing cyber range capabilities to support robust cyber T&E

# People

- Establish N94 Cyber billet to provide HQ-level policy, process and tech & cyber range expertise
- N94-led Navy Federated Acquisition Adversarial Cyber Teams (FAACT)
  - Red Team, acquisition & T&E skills for Step 1-6 of cyber DT & OT
  - Provides unity of effort, de-confliction and efficiencies
  - Identifies unique skillsets across DoN
    - HM&E, Navigation, Aviation, RF, Non-IP based, Wireless, C4I...
- Next Steps
  - Capacity - Quantify demand by mapping Cyber T&E steps to PORs
  - Capability - Establish common KSAs across all SYSCOM teams
  - Centralize organization and institutionalize team sustainment
    - Tool repository, standardized TTPs etc.
  - Provide Cyber OQE for DT & OT, ATO, Cybersafe

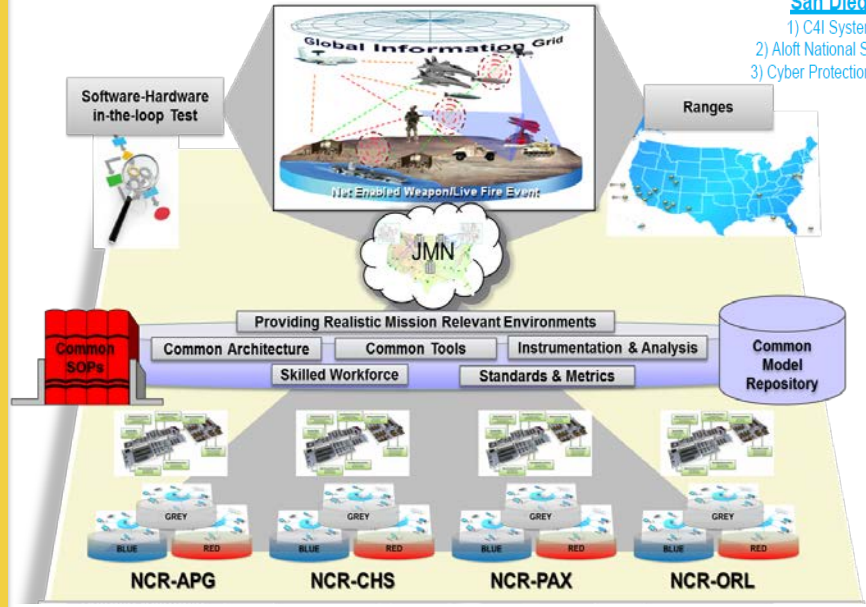
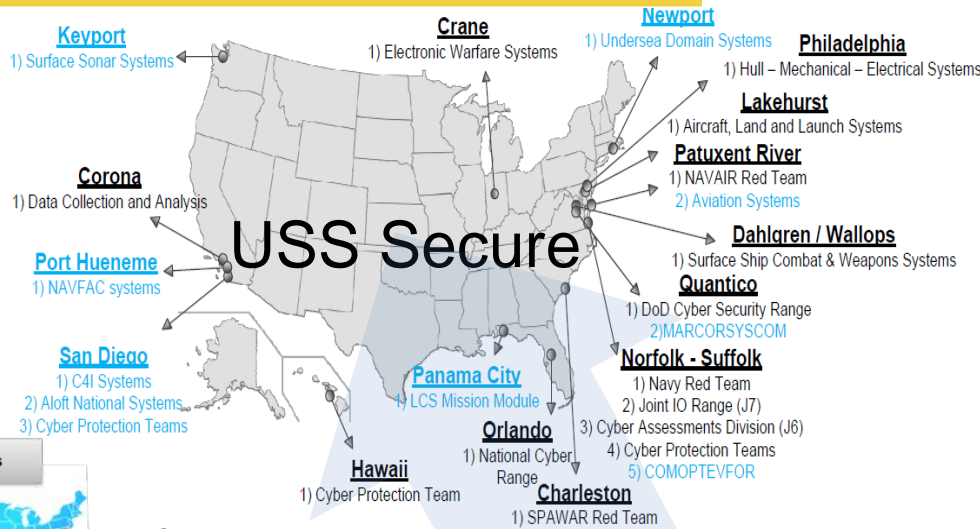
# Process

- Cyber improvements in FO/GO/SES Gate Review Process
  - Cyber questions in AOA, ICD, CDD, TEMP, Gates 1-6 and OTRR
    - IE: “Have you conducted Cooperative and/or Adversarial cyber assessments to understand risk?”
- Portal for Navy database of testing demand requirements (TP-4)
  - Matches T&E resources to program demand
    - Provides TEMP Part IV resource and budgeting tables
- Cyber T&E findings into accreditation & risk rubric
  - Determine & integrate cyber data requirements from day 1
  - “Cyber Decider”
- X-Service exchanges critical – eg. Cyber DT conference

# Capability

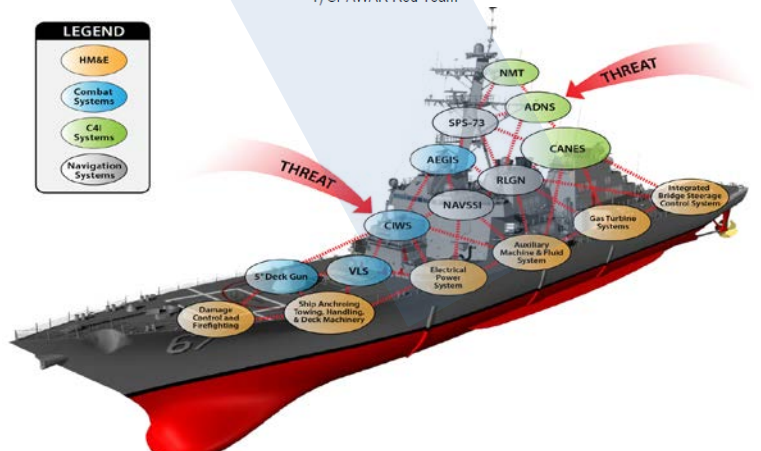
- National Cyber Range Complex

- Navy instantiations at NAWCAD and SSCLANT



GOVERNANCE

INVESTMENTS



# Summary and Conclusions

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- OPNAV N94 is in the cyber business
  - Focused on cyber T&E policy, capacity and capability for the Navy Acquisition Community
  - We are the Navy's advocate for cyber T&E resources
  - The Navy will invest to fill cyber T&E gaps
  - Operational Impact/Risk of cyber