

Naval Security Group Information Assurance



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NSGA Pensacola

Roles in IA



- Fleet Support
 - On Line Surveys (OLS)
 - Red Team
 - Computer Network Vulnerability Assessment (CNVA) Process
- COMOPTEVFOR Support
 - Naval Information Vulnerability Assessment Program (NIVAP)

Fleet Support



- History of CNVA
- Partners
- Process
- Future

Fleet Support



- History
- Partners
- Process
- Future



- 3rd Fleet Initiative
- USS Nimitz Battle Group
- USS Carl Vinson & USS Lincoln Battle Groups
- Problems

Fleet Support



- History
- Partners
- Process
- Future



- FIWC
- SPAWAR PMW-161
- PACFLT
 - 3rd Fleet
- LANTFLT
 - 2nd Fleet
- NSA

Fleet Support



- History
- Partners
- Process
- Future



- Three Phases
 - Vulnerability Assessments
 - Risk Assessment /Security Training
 - Red Team Assessment

PHASE I

Vulnerability Assessments

- On-Line Survey (OLS) performed by:
 - Internal (SPAWAR PMW-161)
 - External (FIWC)
 - Hardware/Software system vulnerabilities
 - Network Security Risk
 - Password Policy Review
- Training
 - Risk Mitigation Techniques
 - Password Review

PHASE II

Risk Assessment/Security Training

- Blue Team provides risk assessment and mitigation techniques based on the Internal/External OLS and password audit.
- Provide training on:
 - Audit Log Review, Password Requirements
 - Media Control, Physical Security
 - Intrusion Detection and Reporting Procedures
 - IAVA, INFOCON

PHASE III


Red Team Assessment



- Coordination of three teams:
 - FIWC Red Team, White Team, NSGAP Blue Team
- Red Team attacks ships network attempting to penetrate, insert/manipulate files, gather network data, and Denial of Service.
- Blue Team assists Sysadmins in identification, reporting, and INFOCON implementation.
- White Team members are the Trusted Agents and safety advisors.

Fleet Support



- History
 - Partners
 - Process
 - Future
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- Process evolution
 - Constantly changing
 - CNO guidance
 - Integration with Program of Record (POR) sponsors
 - Training
 - NMCI

COMOPTEVFOR Support



- History of COMOPTEVFOR Support
- Process
- Future

COMOPTEVFOR Support

- History
- Mission
- Process
- Future



- COMOPTEVFOR -
COMNAVSECGRU
MOA
- NIWA – NSGA
Pensacola MOA
- NIVAP (formerly
NSVAT)

COMOPTEVFOR Support




- History
- Mission
- Process
- Future




- VULNERABILITY
ASSESSMENTS

COMOPTEVFOR Support

- History
 - Mission
 - Process
 - Future
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- Receive tasking from NIWA
 - Develop POA&M
 - Document review
 - Conduct vulnerability assessment
 - Conduct penetration testing

COMOPTEVFOR Support



- History
 - Mission
 - Process
 - Future
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- Greater involvement in development
 - Certification & Accreditation involvement



Questions?