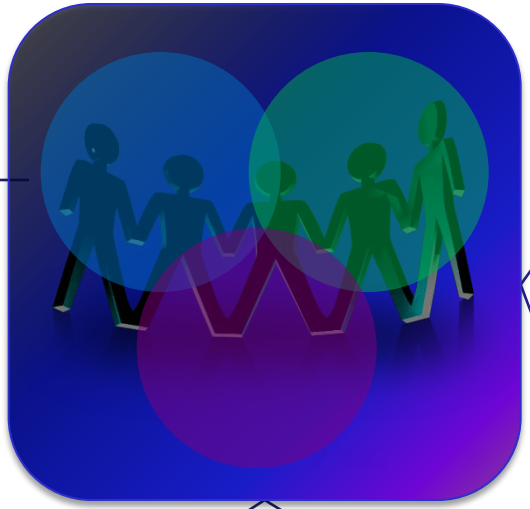
Information Assurance

Marine Corps Information Assurance Assessment Team



- IA for Acquisition Programs of Record
- Independent Verification & Validation
- IA Assessments during Exercises (DOT&E)
- Interoperability Assessments during Exercises (DOT&E)
- Expeditionary Support (IA & IOP)
- Support to other Services & DoD OTAs (IA & IOP)

IA Opportunities

- IA for Acquisition
- Independent Verification and Validation for Acquisition
- Exercise/Service IA Assessments
- Blue Team Assessments
- Green Team Assistance
- Interoperability Assessments
- Expeditionary Support
- IA Range

IA for Acquisition

- Focus: USMC Programs of Record (POR)
  - DOT&E Oversight List
  - Major Defense Acquisition Programs/Major Automated Information Systems

- Support for Programs of Record (POR)
  - Review IA requirements for POR with PMO stakeholders
  - Review and update IA for POR TEMP and JCIDS
  - Support IA control determination
  - Review POR DIACAP Implementation Plan (DIP)
  - Witness and review IA results for DT
  - Perform IA Operational Assessment
    - IA Control Compliance
    - Evaluate Protect, Detect, Respond, Restore

IV&V for Acquisition

- Conduct Independent Verification & Validation
  - IV&V is the last major step in DIACAP prior to IATO/ATO
  - IATO is required to proceed to OT&E
- DIACAP requires third party performance of IV&V
  - Supports accreditation decision
- Ensure IA controls have been effectively implemented to support survivability for the system under test
  - Confidentiality, Integrity, Availability
  - Protect, Detect, Respond, Restore
  - Less disruptive during DT
- Conducting IV&V creates efficiencies in the OT by drastically reducing OT IA assessments

Exercise/Service IA Assessments

- Support to the DOT&E IA&I Program
  - Congressionally mandated and funded Information Assurance and Interoperability (IA&I) assessments since 2003
  - OTAs, IWCs and NSA will assess the IA and Interoperability posture of fielded systems (network enclaves and information systems) and through annual exercises and assessments at each COCOM and Service
    - Vigilant Shield (NORTHCOM), Fuertas Defensas (SOUTHCOM), Turbo Distribution (TRANSCOM), Global Thunder (STRATCOM), Terminal Fury (PACOM), United Endeavor (JFCOM), and others
    - Support to MEFs and MARFORs
  - Feedback provided to the COCOM exercise authority, Service operational commanders, program partners (DOT&E, ASD[NII], and Joint Staff) and Congress
  - Results shared with USSTRATCOM, DISA, NSA, and DOT&E
  - MCOTEA leads Marine Corps participation

Blue Team Assessments

- Conduct non-technical and technical assessments of DoD networks and information systems to meet periodic independent assessment requirements
  - Operational support provided to MEFs & MARFORs and other agencies as requested
- Conduct non-technical and technical assessments in support of DIACAP accreditation decisions for DoD (DoD 8500 series) and intelligence systems (DCID 6/3)
  - IO Range

Assess

Non-Technical
Review key IA documentation to determine its completeness and relevancy
Determine the application and enforcement of policy
Conduct interviews with key IA personnel
Verification and Validation of documented procedures

Technical
Conduct baseline security configuration scans
Conduct vulnerability scans
Review perimeter defense configurations
Conduct wireless detection scans
Conduct password compliancy scans

Green Team Assistance

- Training/Mentoring of IA Community
  - Blue Team Methodology Course
    - Provide adaptable methodology to conduct self-assessments
    - Attended by DOT&E, Systems Command, SPAWAR, and Service IA personnel
    - Taught annually at the Marine Corps IA Conference and at MCOTEA
    - Taught on site by request of the Marine Corps at home or abroad
  - For the assessed organization
    - Provide remediation and education of vulnerabilities discovered
    - Develop COA to mitigate risk for vulnerabilities
    - Provide instruction on proper procedures to build security into architecture
    - Provide functional guidance and training on DISA and NSA sponsored enterprise IA tools

REMEDIATE TRAIN

Expeditionary Support

- Assessment support to deployed forces during or after Relief in Place/Transfer of Authority (RIP/TOA)
  - II MEF in Iraq, March - April 2009
- Marine Expeditionary Forces ‘Assistance’ Visits
  - Baseline network scan for vulnerabilities
  - Provide recommended COA’s and POA&M for remediation of discovered vulnerabilities
- Purpose
  - Provide the incoming Commander with a snapshot of the network security posture
  - Provide mentoring/assistance to improve the IA posture of the network
  - Provide training in self-assessments to maintain a high level of security
  - Support the Commander as needed

IA Range

- Mission
  - Provide a persistent environment to support Test and Evaluation, Exercise Support, and Training and Education
  - Allows for continuous self-assessment for POR in addition to training IA professionals
- Objective
  - Build an operational IA/Computer Network Defense architecture in a network operations configuration to test and train in which is identical to the one we defend
- Stakeholders
  - DoD CIO, USSTRATCOM, USJFCOM, Joint Staff, Services, NSA, DISA

Questions