



Simulators Program Office Cybersecurity Review

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Disclaimer: The information provided herein represents the Government's best understanding of the procurement as of the presentation date. This information should be considered preliminary and subject to change.



Cybersecurity Initiative



- The Simulators Program Office leads the development, acquisition and sustainment effort necessary to meet the MAJCOMs simulation and training requirements
 - WNS currently has 30+ cyber specialists working the transition to the Risk Management Framework (RMF)
 - New Cybersecurity paradigm RMF all systems are required to be Assessed and/or Authorized for use
 - Many existing contracts have been modified to support RMF
 - Requires fully certified staff (ISSOs and ISSMs) to meet the requirements per DoDD 8570.01M



Risk Management Framework

Step 6 MONITOR Security Controls

- Determine impact of changes to the system and environment
- · Assess selected controls annually
- · Conduct needed remediation
- Update Security Plan, SAR and POA&M
- Report security status to AO
- AO reviews reported status
- Implement system decommissioning strategy

Step 5 AUTHORIZE System

- Prepare the POA&M
- Submit Security Authorization Package (Security Plan, SAR and PAO&M) to AO
- AO conducts final risk determination
- AO makes authorization decision

Step 1 CATEGORIZE System

- Categorize the system in accordance with the CNSSI 1253
- Initiate the Security Plan
- Register system with DoD Component Cybersecurity Program
- Assign qualified personnel to RMF roles

RMF

Step 2 SELECT Security Controls

- Common Control Identification
- Select security controls
- Develop system-level continuous monitoring strategy
- Review and approve Security Plan and continuous monitoring strategy
- Apply overlays and tailor

Step 3 IMPLEMENT Security Controls

- Implement control solutions consistent with DoD Component Cybersecurity architectures
- Document security control implementation in Security Plan

•We need cybersecurity support to fully understand this process!

Step 4 ASSESS Security Controls

 Develop and approve Security Assessment Plan

- Assess security controls
- SCA prepares Security Assessment Report (SAR)
- Conduct initial remediation actions

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Current Challenges Answering Controls



- Answering Security Controls as identified in NIST 800-53 rev4
 - WNS ISSMs face challenges with prime contractors providing quality artifacts to support compliance/non-compliance
 - ISSMs spend considerable amount of time "training" prime contractor's cybersecurity personnel on the proper way to answer controls
 - Documentation is often sent back and forth multiple times before final acceptance by the program office

Current Challenges Answering Controls



- Collateral systems are required to submit all Authority To Operate (ATO) documentation via the Enterprise Mission Assurance Support Service (eMASS) database on SIPRNet (DoDI 8510.01)
 - Many of the prime contractors do not have access to SIPRNet
 - Requires document delivery via secure mail

Current Challenges Vulnerability Scanning



- Performing vulnerability scans as required by the Authorizing Official (AO)
 - Collateral systems are required to use the Assured Compliance Assessment Solution (ACAS) vulnerability scanning tool
 - WNS has deployed and trained personnel on site to perform vulnerability scans – requires personnel to keep software updated and licenses up to date (documentation is left onsite and "reach back" to the Program Office is available)





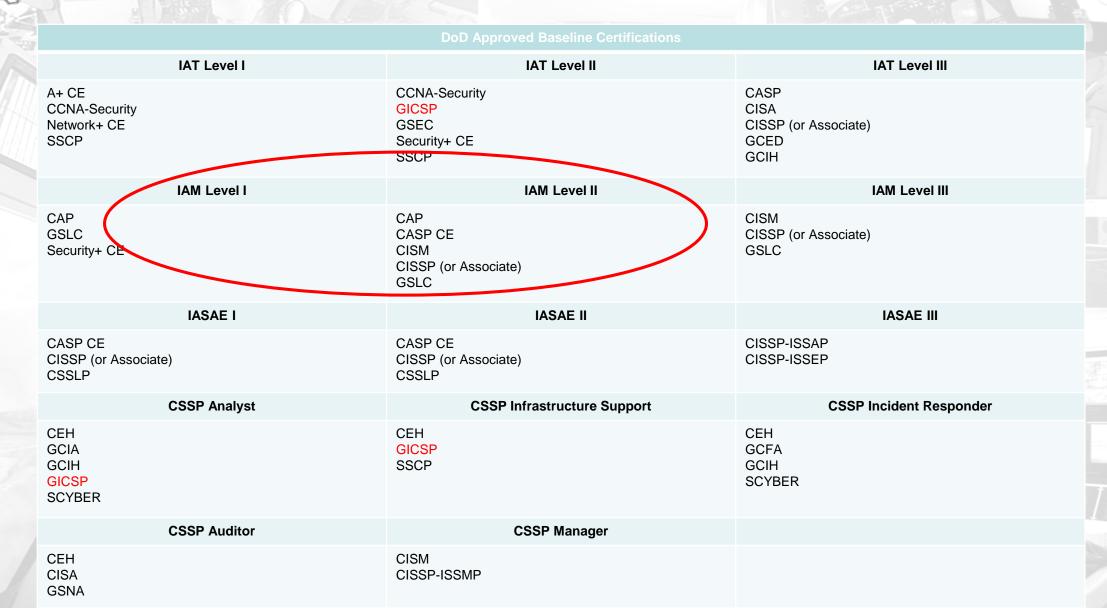


- Different requirements to obtain an ATO among the different AOs
 - Must understand the unique requirements to each AO
 - WNS currently works with 5 different AOs for authorizations
- Cybersecurity Support Contractors:
 - Challenge is keeping qualified candidates (DoDD 8570.01M). High turnover due to high demand for qualified cybersecurity workforce
 - Problems with continuity supporting the programs



DoD Approved 8570 Certifications











Cybersecurity staff must understand and comply with (at a minimum)

DoDI 8500	DoDI 8510
NIST 800-53 rev 4	AFI 17-101

- All cybersecurity support personnel must be certified in compliance with DoDD 8570.01M
 - ISSOs must be certified at least to IAM Level I
 - ISSMs must be certified at least to IAM Level II
- Cybersecurity personnel must understand how to answer security controls necessary for obtaining authorization and provide proper artifacts to support those answers





Questions?

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