



DoDI 8500-2 IA Control Checklist - MAC 3-Public

Version 1, Release 1.4

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Developed by DISA for the DOD

UNCLASSIFIED UNTILL FILLED IN

CIRCLE ONE

FOR OFFICIAL USE ONLY (mark each page)

CONFIDENTIAL and SECRET (mark each page and each finding)

Classification is based on classification of system reviewed:

Unclassified System = FOUO Checklist Confidential System = CONFIDENTIAL Checklist Secret System = SECRET Checklist Top Secret System = SECRET Checklist

Site Name	
Address	
Phone	

Position	Name	Phone Number	Email	Area of Responsibility
IAM				
IAO				

8500.2 COAS-1 V0008355 CAT II An alternate site is not identified

8500.2 IA Control: COAS-1 References: Department of Defense Instruction 8500.2 (DODI 8500.2). NIST Special Publication 800-53 (SP 800-53) Vulnerability An alternate site is not identified that permits the partial restoral of mission or business essential functions. Vulnerability The inability to provide for partial restoral of mission and business essential functions can lead to mission failure in times of natural Discussion diaster, fire, or other catastrophic failure of the primary IS. Checks 8500.2 COAS-1 Validate that the disaster recovery plan reviewed in CODP -1 and COEF-1 includes an alternate site for partial restoration of mission or business essential functions. Questions: Is the alternate site identified? Does it permit the partial restoration of mission or business essential functions? Are agreements with the alternate site in place (NIST CP-7) Is the necessary equipment and supplies either in place or contracts in place to allow ordering. (NIST CP-7) **Default Finding** The following issues were noted: Details An alternate site is not identified that permits the partial restoration of mission or business essential functions. Agreements with the alternate site are not in place (NIST CP-7) The necessary equipment and supplies are either not in place or the contracts are not in place to allow ordering. (NIST CP-7) **NOT A FINDING:** NOT REVIEWED: **NOT APPLICABLE: Fixes** 8500.2 COAS-1 Identify alternate site that permits the partial restoration of mission or business essential functions. Put formal agreements with the alternate site in place. Ensure the necessary equipment and supplies are either in place or contracts in place to allow ordering. Notes:

V0008357 CAT I **Inadequate Protection of Assets** 8500.2 COBR-1 References: Department of Defense Instruction 8500.2 (DODI 8500.2) 8500.2 IA Control: COBR-1 Vulnerability Inadequate Protection of Backup and Restoration Assets Vulnerability Protection of backup and restoral assets is essential for the successful restoral of operations after a catastrophic failure or damage to Discussion the system or data files. Failure to follow proper procedures may result in the permanent loss of system data and/or the loss of system capability resulting in failure of the customers mission. Checks 8500.2 COBR-1 Validate that backup and recovery procedures incorporate protection of the backup and restoration assets. Note: This check validates the assets such as SANS, Tapes, backup directories, software, etc that house the backup data and the assets (equipment and system software) used for restoration. This does not address that the data is backed up Back-up data is covered in CODB1, 2, and 3. **Default Finding** Protection of backup and restoral assets is inadequate. **Details OPEN:** NOT A FINDING: NOT REVIEWED: **NOT APPLICABLE: Fixes** 8500.2 COBR-1 Develop and implement procedures to insure that backup and restoral assets are properly protected and stored in an area/location where it is unlike they would be affected by an event that would affect the primary assets. Notes: Data backup is not performed at least weekly. 8500.2 CODB-1 V0008358 CAT III References: Department of Defense (DOD) Directive 8500.1, Information 8500.2 IA Control: CODB-1 Assurance Vulnerability Data backup is not performed at least weekly. Vulnerability If backups are not properly processed, recovery of system failure or implementation of a contingency plan would not include the data Discussion necessary to fully recover. Checks 8500.2 CODB-1 Validate that the procedures which detail that backups are to be performed at least weekly are implemented and the process is executed. A sampling of system backups should be checked to ensure compliance with the control. For lab tested systems ensure this requirement is addressed in the PM's deployment plan. **Default Finding** Data backup is not performed at least weekly. **Details** NOT REVIEWED: **NOT A FINDING: NOT APPLICABLE:** OPEN **Fixes** 8500.2 CODB-1 Implement procedures which detail that backups are to be performed at least weekly and insure the process is properly executed.

Notes:

8500.2 CODP-1 V0008361 CAT III Inadequate Disaster Recovery Plan

8500.2 IA Control:	CODP-1	References:	Department of Defense (DOD	,	
Vulnerability	IDisaster Recovery Plan does n	not allow for the partial resumpt	Information Assurance (IA) Im	•	
•	•	·		·	
Discussion		are essential for system recov	ery and/or business restoral in	the event of catastrophic failure or	
Checks					
8	3500.2 CODP-1				
	activation. Verify that the plan includes: Business recovery plans. System contingency plans. Facility disaster recovery plan Insure the plan has been offic	s. ially accepted by the system o	·	s essential functions within 5 days of	
Default Finding Details	efault Finding The following issues were noted: The Disaster Recovery Plan does not exist The plan does not provide for partial resumption of mission or business essential function within 5 days The plan does not contain business recovery plans The plan does not contain system contingency plans The plan does not contain facility disaster recovery plans The plan has not been officially accepted				
OPE		IDING: NOT	REVIEWED:	NOT APPLICABLE:	
Fixes					
•	8500.2 CODP-1				
	Develop a Disaster Recovery Plan for the Information System or Facility. Insure the plan: Provides for partial resumption of function within 5 days contains business recovery plans. Contains system contingency plans. Contains facility disaster recovery plans.				
Notes:	Is officially accepted by the IS	or facility owner.			

8500.2 COEB-1 V0008364 CAT II

Inadequate Alternate Site Boundary Defense

8500.2 IA Control:	COEB-1	References:	s: Department of Defense Instruction 8500.2 (DODI 8500.2)		
Vulnerability	Inadequate Enclave Boundary Defense at the alternate site				
	Alternate site must provide security measures equivalent to the primary site in order to have the same degree of information assurance should relocation become necessary.				
Checks					
8	3500.2 COEB-1				
	Examine the SLA or MOU/MOA for the backup site to ensure the details of the security requirements for the alternate site are addressed. Examine the alternate site or past reviews of the alternate site to ensure the alternate site provides security measures equivalent to the primary site. For Lab tested systems ensure this requirement is addressed in the PM's deployment plan.				
Default Finding Details	Alternate site does not provide enclave bounda	ary security mea	easures equivalent to the primary site.		
OPE Fixes		NOT	REVIEWED: NOT APPLICABLE:		
8	8500.2 COEB-1				
	Establish SLA or MOU/MOA with the backup site to ensure the details of the security requirements for the alternate site are addressed. Alternate site must provide security measures equivalent to the primary site. For Lab tested systems ensure this requirement is addressed in the PM's deployment plan.				
Notes:					

Notes:

8500.2 COED-1 V0008366 CAT III Inadequate

Inadequate exercising of COOP/DRP

8500.2 IA Control:	COED-1	References:	Department of Defense Instruction 8500.2 (DODI 8500.2) , NIST Special Publication 800-53 (SP 800-53)	
Vulnerability	Inadequate exercising of continuity of operations or disaster recovery plans			
Vulnerability Discussion	If plans are not adequately exercised there can be no assurance they will work when required.			
Checks				
8	3500.2 COED-1			
	plan were exercised. Ensure a test of the backup media was Ensure the exercise plan includes a stra Verify that appropriate officials within the (NIST CP-4) Verify that the organization coordinates	included in the exercategy for testing all per organization review	to ensure it is within the last 365 days and that critical steps of the cise. arts of the COOP and DRP over a period of time. In the contingency plan test results and initiate corrective actions. Sting with organizational elements responsible for related plans intinuity of Operations Plan, Business Recovery Plan, Incident	
Default Finding Details	Critical steps of the plan were not exerc Test of the backup media was not include. The exercise plan does not include a str. No evidence found that appropriate offic actions. No evidence found that the organization	ised. ded in the exercise rategy for testing all ials within the organ a coordinates conting	parts of the COOP and DRP over a period of time ization reviewed the contingency plan test results and initiated corrective gency plan testing with organizational elements responsible for related to Continuity of Operations Plan, Business Recovery Plan, Incident	
OPI	EN: NOT A FINDING:	NOT	REVIEWED: NOT APPLICABLE:	
Fixes			<u> </u>	
:	8500.2 COED-1			
	test of the backup media is included in a COOP and DRP over a period of time. Ensure that appropriate officials within the Ensure that the organization coordinate	the exercise. Ensure the organization revies contingency plant	annually and that critical steps of the plan are exercised. Ensure a the exercise plan includes a strategy for testing all parts of the ew the contingency plan test results and initiate corrective actions. The extra graph of the exercise plan includes a strategy for testing all parts of the exercise plan includes a strategy for the exercise pl	

8500.2 COEF-1 V0008368 CAT III Essential functions are not identified

3500.2 IA Control:	COEF-1 Re	eferences:	Department of Defense (DOD Information Assurance (IA) Im	•	
Vulnerability	Mission and business essential functions are not identified in the COOP/DRP				
	Identification and priortization of essential functions is necessary for the proper application of resources when implementation of the coop or DRP becomes necessary.				
Checks					-
:	8500.2 COEF-1				
	Examine the COOP and DRP plan to ensure that	mission an	d business essential functions	are identified and prioritized.	_
Default Finding Details		dentified an	d prioritized in the COOP and I	DRP.	
OPI	EN: NOT A FINDING:	NOT	REVIEWED:	NOT APPLICABLE:	
Fixes	3				
	8500.2 COEF-1				
	Ensure that mission and business essential functi	ions are ide	entified and prioritized in the CO	OOP and DRP plan.	
Notes:					

V0008370 CAT II 8500.2 COMS-1

Inadequate Maintenance support for key IT assets

8500.2 IA Control: COMS-1 References: Department of Defense (DOD) Instruction 8500.2,

Information Assurance (IA) Implementation, NIST Special

Publication 800-53 (SP 800-53)

Vulnerability Inadequate Maintenance support for key IT assets

Vulnerability Proper Maintenance is a key element of Information Assurance. Speed of response affects the capability to restore primary service and Discussion backups and careful control of all aspects of the maintenance process is necessary to maintain system integrity and to prevent compromise or theft of sensitive information or devices and system components.

Checks

8500.2 COMS-1

Examine SLA and MOU/MOA and vendor agreements to ensure that that key assets are covered by a 24 hour response agreement.

Verify the organization schedules, performs, and documents routine preventative and regular maintenance on the components

the information system in accordance with manufacturer or vendor specifications and/or organizational requirements. NIST MA-2 Verify that appropriate organizational officials approve the removal of the information system or information system components from the facility when repairs are necessary. NIST MA-2

Verify that if the information system or component of the system requires off-site repair, the organization removes all information from associated media using approved procedures. NIST MA-2

Verify that after maintenance is performed on the information system, the organization checks the security features to ensure

they are still functioning properly. NIST MA-2

- · [(all Classified) Verify the organization approves, controls, and monitors the use of information system maintenance tools and maintains the tools on an ongoing basis. NIST MA-3
- (all Classified) NIST MA-3
- (1) Verify that the organization inspects all maintenance tools (e.g., diagnostic and test equipment) carried into a facility by maintenance personnel for obvious improper modifications.
- (2) Verify that the organization checks all media containing diagnostic test programs (e.g., software or firmware used for system maintenance or diagnostics) for malicious code before the media are used in the information system.
- (3) Verify that the organization checks all maintenance equipment with the capability of retaining information to ensure that no organizational information is written on the equipment or the equipment is appropriately sanitized before release; if the equipment

cannot be sanitized, the equipment remains within the facility or is destroyed, unless an appropriate organization official explicitly authorizes an exception.

Remote Maintenance (NIST MA-4)

- · Uverify the organization approves, controls, and monitors remotely executed maintenance and diagnostic activities.
- · Verify the organization describes the use of remote diagnostic tools in the security plan for the information system.
- Uverify the organization maintains maintenance logs for all remote maintenance, diagnostic, and service activities.
- · Verify that appropriate organization officials periodically review maintenance logs.
- □Other techniques to consider for improving the security of remote maintenance include: (i) encryption and decryption of diagnostic

communications; (ii) strong identification and authentication techniques, such as Level 3 or 4 tokens as described in NIST Special

Publication 800-63; and (iii) remote disconnect verification.

- · Uverify that when remote maintenance is completed, the organization (or information system in certain cases) terminates all sessions and remote connections.
- □Verify that if password-based authentication is used during remote maintenance, the organization changes the passwords following each remote maintenance service.
- · Uverify that if remote diagnostic or maintenance services are required from a service or organization that does not implement

its own information system the same level of security as that implemented on the system being serviced, the system being serviced

is sanitized and physically separated from other information systems before the connection of the remote access line. If the information system cannot be sanitized (e.g., due to a system failure), remote maintenance is not allowed. Control Enhancements (classified):

(1) The organization audits all remote maintenance sessions, and appropriate organizational personnel review the audit logs of the

- (2) The organization addresses the installation and use of remote diagnostic links in the security plan for the information system.
- (3) Remote diagnostic or maintenance services are acceptable if performed by a service or organization that implements for its own

information system the same level of security as that implemented on the information system being serviced.

For Lab tested systems ensure this requirement is addressed in the PM's deployment plan.

Default Finding The following issues were noted:

key assets are not covered by a 24 hour response agreement. Details

the organization does not schedule, performs, and document routine preventative and regular maintenance on the components of the information system in accordance with manufacturer or vendor specifications and/or organizational requirements. NIST MA-2 No evidence that appropriate organizational officials must approve the removal of the information system or information system components from the facility when repairs are necessary. NIST MA-2

No evidence that if the information system or component of the system requires off-site repair, the organization removes all information from associated media using approved procedures. NIST MA-2

No evidence that after maintenance is performed on the information system, the organization checks the security features to ensure that they are still functioning properly. NIST MA-2

(all Classified) no evidence that the organization approves, controls, and monitors the use of information system maintenance tools and maintains the tools on an ongoing basis. NIST MA-3

No evidence that the organization inspects all maintenance tools (e.g., diagnostic and test equipment) carried into a facility by maintenance personnel for obvious improper modifications.

No evidence that the organization checks all media containing diagnostic test programs (e.g., software or firmware used for system maintenance or diagnostics) for malicious code before the media are used in the information system.

No evidence that the organization checks all maintenance equipment with the capability of retaining information to ensure that no organizational information is written on the equipment or the equipment is appropriately sanitized before release; if the equipment cannot be sanitized, the equipment remains within the facility or is destroyed, unless an appropriate organization official explicitly authorizes an exception.

Remote Maintenance (NIST MA-4)

No evidence that the organization approves, controls, and monitors remotely executed maintenance and diagnostic activities.

No evidence that the organization describes the use of remote diagnostic tools in the security plan for the information system. No evidence that the organization maintains maintenance logs for all remote maintenance, diagnostic, and service activities.

No evidence that that appropriate organization officials periodically review maintenance logs.

No evidence that that when remote maintenance is completed, the organization (or information system in certain cases) terminates all sessions and remote connections.

No evidence that if password-based authentication is used during remote maintenance, the organization changes the passwords following each remote maintenance service.

No evidence that if remote diagnostic or maintenance services are required from a service or organization that does not implement for its own information system the same level of security as that implemented on the system being serviced, the system being serviced is sanitized and physically separated from other information systems before the connection of the remote access line. If the information system cannot be sanitized (e.g., due to a system failure), remote maintenance is not allowed. Control Enhancements (classified):

No evidence that the organization audits all remote maintenance sessions, and appropriate organizational personnel review the audit logs of the remote sessions.

No evidence that the organization addresses the installation and use of remote diagnostic links in the security plan for the information

OPEN:	NOT A FINDING:	NOT REVIEWED:	NOT APPLICABLE:
Fixes			

8500.2 COMS-1

Establish or amend SLA and MOU/MOA and vendor agreements to ensure that that key assets are covered by a 24 hour response agreement. Insure the organization schedules, performs, and documents routine preventative and regular maintenance on the components of

the information system in accordance with manufacturer or vendor specifications and/or organizational requirements. NIST MA-2 Insure that appropriate organizational officials approve the removal of the information system or information system components from the facility when repairs are necessary. NIST MA-2 Insure that if the information system or component of the system requires off-site repair, the organization removes all information from associated media using approved procedures. NIST MA-2 (all Classified)

Insure that after maintenance is performed on the information system, the organization checks the security features to ensure that they are still functioning properly.

Insure the organization approves, controls, and monitors the use of information system maintenance tools and maintains the tools on an ongoing basis.

(all Classified) NIST MA-3 Insure that the organization inspects all maintenance tools (e.g., diagnostic and test equipment) carried into a facility by

maintenance personnel for obvious improper modifications.

Insure that the organization checks all media containing diagnostic test programs (e.g., software or firmware used for system maintenance or diagnostics) for malicious code before the media are used in the information system.

(all Classified) that the organization checks all maintenance equipment with the capability of retaining information to ensure that no organizational information is written on the equipment or the equipment is appropriately sanitized before release; if the equipment cannot be sanitized, the equipment remains within the facility or is destroyed, unless an appropriate organization official explicitly authorizes an exception. Remote Maintenance (NIST MA-4)

Insure the organization approves, controls, and monitors remotely executed maintenance and diagnostic activities.

Insure the organization describes the use of remote diagnostic tools in the security plan for the information system. Insure the organization maintains maintenance logs for all remote maintenance, diagnostic, and service activities.

Insure that appropriate organization officials periodically review maintenance logs. Other techniques to consider for improving the security of remote maintenance include: (i) encryption and decryption of diagnostic

communications; (ii) strong identification and authentication techniques, such as Level 3 or 4 tokens as described in NIST

Special

Publication 800-63; and (iii) remote disconnect verification.

Insure that when remote maintenance is completed, the organization (or information system in certain cases) terminates all sessions and remote connections.

Insure that if password-based authentication is used during remote maintenance, the organization changes the passwords following

each remote maintenance service.

Insure that if remote diagnostic or maintenance services are required from a service or organization that does not implement for its

own information system the same level of security as that implemented on the system being serviced, the system being serviced is

sanitized and physically separated from other information systems before the connection of the remote access line. If the information system cannot be sanitized (e.g., due to a system failure), remote maintenance is not allowed. Control Enhancements (classified):

Insure The organization audits all remote maintenance sessions, and appropriate organizational personnel review the audit logs of

the remote sessions.

Insure The organization addresses the installation and use of remote diagnostic links in the security plan for the information system.

Note: Remote diagnostic or maintenance services are acceptable if performed by a service or organization that implements for its

own information system the same level of security as that implemented on the information system being serviced.

500.2 COP	PS-1 V0008372 CAT III	Lack of power generators	
3500.2 IA Control	I: COPS-1	References: Department of Defense (DOI Information Assurance (IA) Ir	
Vulnerability	y Lack of power generators		
	y The availability of manually activated power ge n electrical power from the primary source.	nerators would prevent extended outages of t	the Information System upon loss of
Checks	s		
	8500.2 COPS-1 Verify that a generator is available for suppor For Lab tested systems ensure this requirement.		L.
	 No manually activated power generators are as source. 	vailable to restore power to key assets upon lo	oss of electrical power from the primary
ОР	PEN: NOT A FINDING:	NOT REVIEWED:	NOT APPLICABLE:
Fixe	es		
	8500.2 COPS-1		
	Procure or set up a capability to lease a gene Note: The DOD IA Controls allow 5 days to re alternative.	, ,	, 0
Notes	s:		

8500.2 COSP-1 V0008375 CAT II

Maintenance spares not available within 24 hrs

8500.2 COTR-1 V0008378 CAT I

Inadequate Recovery Procedures

8500.2 IA Control:	COTR-1	References: Department of Defense Instruction 8500.2 (DODI 8500.2)			
Vulnerability	Inadequate Recovery Procedur	es			
	Improper system recovery can result in loss or compromise of sensitive information and/or compromise of the system by unauthorized individuals who seize the opportunity to exploit known vulnerabilities.				
Checks					
8	3500.2 COTR-1				
	can include original COTS or Verify that the recovery proce placement. Verify the procedures include	as recovery procedures that indicate the steps needed for secure recovery. Verification process GOTS installation media or a hash of the installation program. dures include anyspecial considerations for trusted recovery such as network attachment or the list of authorized personnel that perform the function. e this requirement is addressed in the PM's deployment plan.			
Details	The following issues were noted: Recovery procedures and technical system features do not exist to ensure that recovery is done in a secure and verifiable manner. Circumstances that can inhibit a trusted recovery are not documented. Circumstances that can inhibit trusted recover are documented but appropriate mitigating procedures are not in place. There is no list of personnel authorized to perform the recover function.				
OPE	EN: NOT A FIN	IDING: NOT REVIEWED: NOT APPLICABLE:			
Fixes					
8	8500.2 COTR-1				
	Insure that the DRP or SOP has recovery procedures that indicate the steps needed for secure recovery. Verification process can include original COTS or GOTS installation media or a hash of the installation program. Ensure the recovery procedures include any special considerations for trusted recovery such as network attachment or placement. Ensure the recovery procedure includes the list of authorized personnel that perform the function. For Lab tested systems, ensure this requirement is addressed in the PM's deployment plan.				
Notes:					

8500.2 DCAR-1 V0008379 CAT II No Annual Comprehensive IA Review

8500.2 IA Control:	DCAR-1	References: Department of Defense Ins	struction 8500.2 (DODI 8500.2)		
Vulnerability	No Annual Comprehensive IA Review				
	A comprehensive annual IA review that evaluates existing policies and processes is necessary to ensure consistency and to ensure that procedures fully support the goal of uninterrupted operations.				
Checks					
8	3500.2 DCAR-1				
	Examine the results of the last comprehensive IA review (including self assessments). Verify the review has been performed within the last 365 days. Note: An Information Assurance Readiness Review (IARR) is a comprehensive review.				
	No Annual IA Review is conducted that comprehensively evaluates existing policies and processes to ensure procedural consistency and to ensure that they fully support the goal of uninterrupted operations.				
OPE	EN: NOT A FINDING:	NOT REVIEWED:	NOT APPLICABLE:		
Fixes					
8	8500.2 DCAR-1				
	Arrange for, or perform a comprehensive IA review every 12 months.				
Notes:					

Notes:

Unevaluated IA Products Procured V0008380 CAT I 8500.2 DCAS-1 8500.2 IA Control: DCAS-1 References: Department of Defense Instruction 8500.2 (DODI 8500.2) Vulnerability Unevaluated IA Products Procured Vulnerability IA or IA enabled products that have not been evaluated can not be trusted to operate as advertised. Discussion Checks 8500.2 DCAS-1 This policy applies to the acquisition process. Verify for new system or product acquisitions that the PM or site manager is compliant with the policy. Review the SSAA for a list of the products used. The list should detail the information regarding compliance with this control. If the validation information is not listed, verify the products are listed on the NIST or FIPS web sites. The NIST web site (www.nist.gov) lists the NIAP approved software and the FIPS approved and validated algorithms. Default Finding The acquisition of IA- and IA-enabled GOTS IT products is not limited to products that have been evaluated by the NSA or in Details accordance with NSA-approved processes. **NOT A FINDING: NOT REVIEWED: NOT APPLICABLE:** OPEN **Fixes** 8500.2 DCAS-1 Limit the acquisition of all IA- and IA-enabled COTS IT products to products that have been evaluated or validated through one of the following sources - the International Common Criteria (CC) for Information Security Technology Evaluation Mutual Recognition Arrangement, - the NIAP Evaluation and Validation Program, or - the FIPS validation program. Robustness requirements, the mission, and customer needs will enable an experienced information systems security engineer to recommend a Protection Profile, a particular evaluated product or a security target with the appropriate assurance requirements for a product to be submitted for evaluation.

The NIST web site (www.nist.gov) lists the NIAP approved software and the FIPS approved and validated algorithms.

Biometrics

Notes:

DMZ for Publicly accessible systems

Out of Band Management Two person control Use of ACLs

V0008381 CAT II Inadequate Security Design 8500.2 DCBP-1 8500.2 IA Control: DCBP-1 References: Department of Defense Instruction 8500.2 (DODI 8500.2) Vulnerability Inadequate Security Design Vulnerability Use of security best practices makes security implementation and checking easier and results in fewer security problems. Security Discussion designs should follow approportate security guidance and employ DOD Defense in depth techniques. Checks 8500.2 DCBP-1 This deals with processes, procedures, and system design/enclave architecture. This check does not deal with configuration settings. Types of items to be checked include: Strong (2 factor) Authentication for management/admin traffic Presence of a firewall (not firewall configuration settings) Non-Use of Unsupported Software **Biometrics** Publicly accessible systems are in a DMZ Out of Band Management Two person control Presence of ACLs (not the actual ACL settings) Security designs should follow approporiate security guidance and employ DOD Defense in depth techniques. Default Finding The DoD information system security design does not incorporate best security practices such as single sign-on, PKE, smart card, and Details biometrics. Security designs should follow approporiate security guidance and employ DOD Defense in depth techniques. OPEN: NOT REVIEWED: NOT A FINDING: NOT APPLICABLE: **Fixes** 8500.2 DCBP-1 Consider the following enhancements to the system design: Strong (2 factor) Authentication for management/admin traffic A firewall Non-Use of Unsupported Software

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8500.2 DCCB-1 V0008382 CAT III

Inadequate Configuration Control Board (CCB)

3500.2 IA Control:	DCCB-1		Department of Defense Information Assurance	(DOD) Instruction 8500.2, (IA) Implementation	
Vulnerability	Inadequate Configuration Control Board (CCB)				
	Security integrity of the system and the ability to configuration. Unless the configuration is contro state.				
Checks					
8	3500.2 DCCB-1		da de		
	Verify that the system is controlled by a CCB the This should be documented in the SOP for sys	tem changes	and/or the SSAA.		
	Information systems are not under the control of	a chartered C	onfiguration Control Boa	ard (CCB) that meets regularly according to	
Details	DCPR-1. The existance of the CCB is not documented in t	the SOP for sy	stem Changes and/or th	ne SSAA	
OPE	EN: NOT A FINDING:	NOT	REVIEWED:	NOT APPLICABLE:]
Fixes					
•	8500.2 DCCB-1 Put the system(s) under the control of a charte				
Notes:	Document this in the SOP for system changes	and/or the SS	SAA.		
Notes.					
2500 2 DCC	S-1 V0008384 CAT I	Annrove	d Security Con	figuration Guidance not us	ed
3500.2 DCC			•	figuration Guidance not us	ed
3500.2 IA Control:	DCCS-1	References:	•	figuration Guidance not us	ed
8500.2 IA Control: Vulnerability	DCCS-1 Approved Security Configuration Guidance not u	References:	Department of Defense	Instruction 8500.2 (DODI 8500.2)	
3500.2 IA Control: Vulnerability Vulnerability	DCCS-1	References:	Department of Defense	Instruction 8500.2 (DODI 8500.2)	
3500.2 IA Control: Vulnerability Vulnerability	DCCS-1 Approved Security Configuration Guidance not u Use of approved configuration guidance ensures	References:	Department of Defense	Instruction 8500.2 (DODI 8500.2)	
Vulnerability Vulnerability Discussion Checks	DCCS-1 Approved Security Configuration Guidance not u Use of approved configuration guidance ensures enabled products.	References: used. s the system is	Department of Defense initially free of security i	Instruction 8500.2 (DODI 8500.2) issues inherent in newly deployed IA and IA	A
Vulnerability Vulnerability Discussion Checks	DCCS-1 Approved Security Configuration Guidance not u Use of approved configuration guidance ensures enabled products. 3500.2 DCCS-1 This check ensures the SAs and NAs use DOE source of security guidance. This does not che	References: used. s the system is	Department of Defense initially free of security in the configuration of	Instruction 8500.2 (DODI 8500.2) issues inherent in newly deployed IA and IA	A
Vulnerability Vulnerability Vulnerability Discussion Checks	DCCS-1 Approved Security Configuration Guidance not u Use of approved configuration guidance ensures enabled products. 8500.2 DCCS-1 This check ensures the SAs and NAs use DOE source of security guidance. This does not che with the guides is checked with ECSC - 1.	References: used. s the system is approved or ck the actual of	Department of Defense initially free of security is other acceptable configuration compliance	Instruction 8500.2 (DODI 8500.2) issues inherent in newly deployed IA and IA uration security documents as their primary with the approved guides. Compliance	A
Vulnerability Vulnerability Vulnerability Discussion Checks	DCCS-1 Approved Security Configuration Guidance not u Use of approved configuration guidance ensures enabled products. 3500.2 DCCS-1 This check ensures the SAs and NAs use DOE source of security guidance. This does not che	References: used. s the system is approved or ack the actual of	Department of Defense initially free of security is other acceptable configuration compliance configuration compliance chas a Security Technic	Instruction 8500.2 (DODI 8500.2) issues inherent in newly deployed IA and IA uration security documents as their primary with the approved guides. Compliance	y
Vulnerability Vulnerability Vulnerability Discussion Checks	DCCS-1 Approved Security Configuration Guidance not u Use of approved configuration guidance ensures enabled products. 8500.2 DCCS-1 This check ensures the SAs and NAs use DOE source of security guidance. This does not che with the guides is checked with ECSC - 1. The organization does not use A DoD reference Recommendation Guide (SRG) as the primary so acquired IA- and IA-enabled IT products.	References: used. s the system is approved or eck the actual of document, sur	Department of Defense initially free of security is other acceptable configuration compliance configuration compliance chas a Security Technic	Instruction 8500.2 (DODI 8500.2) issues inherent in newly deployed IA and IA uration security documents as their primary with the approved guides. Compliance	y
Vulnerability Vulnerability Vulnerability Discussion Checks	DCCS-1 Approved Security Configuration Guidance not use of approved configuration guidance ensures enabled products. B500.2 DCCS-1 This check ensures the SAs and NAs use DOE source of security guidance. This does not che with the guides is checked with ECSC - 1. The organization does not use A DoD reference Recommendation Guide (SRG) as the primary so acquired IA- and IA-enabled IT products. NOT A FINDING:	References: used. s the system is approved or eck the actual of document, sur	Department of Defense initially free of security is other acceptable configuration compliance ch as a Security Technic rity configuration or implementation or implementation or implementation.	Instruction 8500.2 (DODI 8500.2) issues inherent in newly deployed IA and IA uration security documents as their primary with the approved guides. Compliance cal Implementation Guide (STIG) or Securit ementation guidance for the deployment of	y
Vulnerability Vulnerability Vulnerability Discussion Checks E Default Finding Details OPE	DCCS-1 Approved Security Configuration Guidance not use of approved configuration guidance ensures enabled products. 3500.2 DCCS-1 This check ensures the SAs and NAs use DOE source of security guidance. This does not che with the guides is checked with ECSC - 1. The organization does not use A DoD reference Recommendation Guide (SRG) as the primary seacquired IA- and IA-enabled IT products. NOT A FINDING:	References: used. So the system is Disproved or sick the actual of the document, such ource for security.	Department of Defense initially free of security is other acceptable configuration compliance ch as a Security Technic rity configuration or implementation or implementation.	Instruction 8500.2 (DODI 8500.2) issues inherent in newly deployed IA and IA uration security documents as their primary with the approved guides. Compliance cal Implementation Guide (STIG) or Securit ementation guidance for the deployment of	y
Vulnerability Vulnerability Vulnerability Discussion Checks E Default Finding Details OPE	DCCS-1 Approved Security Configuration Guidance not use of approved configuration guidance ensures enabled products. 3500.2 DCCS-1 This check ensures the SAs and NAs use DOE source of security guidance. This does not che with the guides is checked with ECSC - 1. The organization does not use A DoD reference Recommendation Guide (SRG) as the primary seacquired IA- and IA-enabled IT products. NOT A FINDING:	References: used. Distribution approved or each the actual of the actua	Department of Defense initially free of security is other acceptable configuration compliance ch as a Security Technic rity configuration or implementation or implementation.	Instruction 8500.2 (DODI 8500.2) issues inherent in newly deployed IA and IA uration security documents as their primary with the approved guides. Compliance cal Implementation Guide (STIG) or Securit ementation guidance for the deployment of	y
Vulnerability Vulnerability Vulnerability Discussion Checks E Default Finding Details OPE	DCCS-1 Approved Security Configuration Guidance not use of approved configuration guidance ensures enabled products. 3500.2 DCCS-1 This check ensures the SAs and NAs use DOE source of security guidance. This does not che with the guides is checked with ECSC - 1. The organization does not use A DoD reference Recommendation Guide (SRG) as the primary seacquired IA- and IA-enabled IT products. EN: NOT A FINDING: 8500.2 DCCS-1 Implement policy and procedures that requires	References: used. Distribution approved or each the actual of the actua	Department of Defense initially free of security is other acceptable configuration compliance ch as a Security Technic rity configuration or implementation or implementation.	Instruction 8500.2 (DODI 8500.2) issues inherent in newly deployed IA and IA uration security documents as their primary with the approved guides. Compliance cal Implementation Guide (STIG) or Securit ementation guidance for the deployment of	y

8500.2 DCCT-1 V0008386 CAT II

Inadequate Deployment Procedures

8500.2 IA Control:	DCCT-1	References:	Department of Defense In	struction 8500.2 (DODI 8500.2)		
Vulnerability	Inadequate Deployment Procedures					
	Undocumented procedures for upgrading or deploying new hardware, software or software upgrades can lead to inconsistent deployments which can cause incompatibility problems between devices and systems and/or possible security holes. These problems or holes can lead to slowdowns or outages on the network or unauthorized access or attacks on DoD assets.					
Checks						
8	3500.2 DCCT-1					
	Ensure procedures exist which address the test The procedures should be in the Configuration For Lab tested systems ensure the PM details deployment plan.	n Management	Plan.			
Default Finding Details	Procedures which address the testing and imple	ementation pro	cess for all patches, upgra	des and AIS deployments do not exist.		
OPE	EN: NOT A FINDING:	NOT	REVIEWED:	NOT APPLICABLE:		
Fixes						
8	8500.2 DCCT-1					
	Ensure procedures exist which address the te The procedures should be in the Configuration For Lab tested systems ensure the PM details deployment plan.	n Managemen	Plan.	, ,		
Notes:						

8500.2 DCDS-1 V0008387 CAT II

Outsourcing Risk Assessment

References: Department of Defense Instruction 8500.2 (DODI 8500.2), 8500.2 IA Control: DCDS-1 NIST Special Publication 800-53 (SP 800-53) Vulnerability Outsourcing Risk Assessment Vulnerability Formal risk assessment is necessary to insure that all IA requirements are considered in outsourcing situations. DOD Component CIO **Discussion** Approval is required. Checks 8500.2 DCDS-1 Determine if the PM or enclave owner is outsourcing any IA services supporting the application or enclave. If so, determine if the DOD Component CIO has approved a formal risk analysis of the acquisition or the outsourcing of an IA service. Verify that the IA Requirements are identified in the acquisition of all system technologies and supporting infrastructures (NIST SA-4) Verify the activity monitors compliance with contracted security requirements. (NIST SA-4) **Default Finding** The following issues were noted: Details Outsourcing of an IA service was accomplished without a formal risk assessment. Risk assessment was not approved by the DOD Component CIO IA Requirements are not adequately identified in the acquisition of system technologies and/or supporting infrastructures. (NIST SA-4) Contracted security requirements are not adequately monitored. (NIST SA-4) **OPEN NOT A FINDING:** NOT REVIEWED: NOT APPLICABLE **Fixes** 8500.2 DCDS-1 Complete a formal risk assessment and obtain DOD Component CIO approval before outsourcing of an IA service. Insure IA Requirements are identified in the acquisition of all system technologies and supporting infrastructures. Insure the activity monitors compliance with contracted security requirements. Notes:

8500.2 DCFA-1 V0008388 CAT II

Inadequate Functional Architecture Documentation

8500.2 IA Control:	DCFA-1	References:		ruction 8500.2 (DODI 8500.2) ,			
Vulnerability	NIST Special Publication 800-53 (SP 800-53) Inadequate Functional Architecture Documentation						
Vulnerability	The detailed functional architecture must be documented in the SSAA to insure all risks are assessed and mitigated to the maximum extent practical. Failure to do so may result in unexposed risk and failure to mitigate the risk leading to failure or compromise of the system.						
Checks							
8	3500.2 DCFA-1						
	This applies to major functional applicat Examine the SSAA for the AIS to detern external interface information is in accordant AII external interfaces. The information being exchanged The protection mechanisms associated User roles required for access control at Unique security requirements (e.g., end Categories of sensitive information product, HIPAA) Restoration priority of subsystems, productive the organization includes docume employed within the information system with sufficial among control components) NIST SA-5	with each interface with the access privile respectively. The access privile respectively to the access privile respectively to the access or stored by the accesses, or information the accesses, or information the access of th	ges assigned to each role (Solements at rest) he AIS application, and their sole (See COEF) he design and implementation	ee ECAN) specific protection plans (e.g., Privacy n details of the security controls			
	The following issues were noted: The documentation of the functional architecture is not up to date The functional architecture documentation does not contain: All external interfaces The information being exchanged The protection mechanisms associated with each interface User roles required for access control The access privileges assigned to each role Unique security requirements (e.g., encryption of key data elements at rest) Categories of sensitive information processed or stored by the AIS application Specific protection plans (e.g., Privacy Act, HIPAA) Restoration priority of subsystems, processes, or information The organization has not included documentation describing the design and implementation details of the security controls employed within the information system with sufficient detail to permit analysis and testing of the controls (including functional interfaces among control components). NIST SA-5)						
OPE	EN: NOT A FINDING	: NOT	REVIEWED:	NOT APPLICABLE:			
Fixes							
8	8500.2 DCFA-1						
Notes:	This applies to major functional applica Amend the SSAA for the AIS to ensure All external interfaces The information being exchanged The protection mechanisms associated User roles required for access control a Unique security requirements (e.g., end Categories of sensitive information product, HIPAA) Restoration priority of subsystems, producted documentation describing the control within the information system with sufficient among control components) NIST SA-E	the following are pre- d with each interface and the access privile cryption of key data e cessed or stored by the cesses, or information design and implement cient detail to permit	eges assigned to each role (S elements at rest) he AIS application, and their n (See COEF) tation details of the security of	specific protection plans (e.g., Privacy			

8500.2 DCHW-1 V0008389 CAT I

Inadequate baseline inventory of hardware

8500.2 IA Control: DCHW-1 References: Department of Defense Instruction 8500.2 (DODI 8500.2), NIST Special Publication 800-53 (SP 800-53)

Vulnerability Inadequate baseline inventory of hardware

Vulnerability Rigid control of the system baseline is required if the system is to have any assurance of Information Systems Security. New Discussion vulnerabilities are discovered continuously in commercial systems. Care must be taken to track all versions of all commercial products in use so that these deficiencies can be fixed quickly since they are almost immediately the subject of attempted exploits.

Checks

8500.2 DCHW-1

Examine the hardware inventory and to ensure it includes the manufacturer, type, model, and physical location of each device and spot check to ensure it is up to date. Ensure backup copies of hardware inventories are either stored off-site or in a fire-

Other requirements (from NIST CM-2):

- (1) MAC 1 &2 and all Classified -The organization updates the baseline configuration as an integral part of information system component installations.
- (2) MAC 1 The organization employs automated mechanisms to maintain an up-to-date, complete, accurate, and readily available baseline configuration.

Default Finding The following issues were noted:

Details There was no Baseline inventory of hardware.

The baseline inventory is not properly stored.

The baseline inventory was not complete.

The baseline inventory is out of date.

The baseline inventory does not contain all required elements of information

The organization does not update the baseline configuration as an integral part of information system component installations. (NIST CM-2)

The organization does not employ automated mechanisms to maintain an up-to-date, complete, accurate, and readily available baseline configuration. (NIST CM-2)

OPEN:	NOT A FINDING:	NOT REVIEWED:	NOT APPLICABLE:
Fixes			

8500.2 DCHW-1

Compile A current and comprehensive baseline inventory of all hardware (HW) (to include manufacturer, type, model, physical location and network topology or architecture) required to support enclave operations and set up procedures to insure it is maintained by the Configuration Control Board (CCB) and as part of the SSAA.

A backup copy of the inventory must be stored in a

fire-rated container or otherwise not collocated with the original.

Other requirements (from NIST CM-2):

- (1) MAC 1 &2 and all Classified -The organization updates the baseline configuration as an integral part of information system component installations.
- (2) MAC 1 The organization employs automated mechanisms to maintain an up-to-date, complete, accurate, and readily available baseline configuration.

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8500.2 DCID-1 V0008390 CAT I

Inadequate Interconnection Documentation in SSAA

8500.2 IA Control:	DCID-1 References: Department of Defense Instruction 8500.2 (DODI 8500.2)					
Vulnerability	Inadequate Interconnection Documentation in the SSAA					
Vulnerability Discussion	Full interconnection documentation is required to ensure that adequate security controls are built into the system and tested before deployment.					
Checks						
8	3500.2 DCID-1					
	documentation in the of For enclaves:	nine if there is a list of current and potential hosting enclaves for the AIS application. Ensure that there is ployment guide which details the requirements for the hosting enclave. The hosted AIS applications and interconnections with outsourced IT-based processes and times.				
	The following issues were noted: For applications: There is not a list of current and potential hosting enclaves for the AIS application. There is no documentation in the deployment guide which details the requirements for the hosting enclave. For enclaves: There is no list of the hosted AIS applications and interconnections with outsourced IT-based processes and interconnected IT platforms.					
OPE Fixes		FINDING: NOT REVIEWED: NOT APPLICABLE:				
	8500,2 DCID-1					
	For applications: Compile a list of current and potential hosting enclaves for the AIS application. Ensure that there is documentation in the deployment guide which details the requirements for the hosting enclave. For enclaves: Ensure there is a list of the hosted AIS applications and interconnections with outsourced IT-based processes and interconnected IT platforms.					
Notes:						

8500.2 DCII-	1 V0008391 CAT II	Proposed changes not assessed for IA impact					
8500.2 IA Control:	DCII-1	References: Department of Defense Instruction 8500.2 (DODI 8500.2)					
Vulnerability	Proposed changes not assessed for IA impact	sed changes not assessed for IA impact					
Vulnerability Discussion	IA assessment of proposed changes is necessar	ary to insure security integrity is maintained.					
Checks							
8	3500.2 DCII-1						
	Examine the CCB process documentation to eimpact on IA (to include connection approval) and the	ensure potential changes to the AIS or the enclave are evaluated to determine eaccreditation.					
Default Finding Details	Changes to the DoD information system are not	t assessed for IA and accreditation impact prior to implementation.					
OPE	_	NOT REVIEWED: NOT APPLICABLE:					
Fixes							
•	8500.2 DCII-1 Amend the CCB process documentation to re	equire that potential changes to the AIS or the enclave are evaluated to determine					
Natas	impact on IA (to include connection approval)	and the accreditation.					
Notes:							
_							
8500.2 DCIT	-1 V0008392 CATI	Acquisition does not address IA roles					
8500.2 IA Control:	DCIT-1	References: Department of Defense Instruction 8500.2 (DODI 8500.2)					
Vulnerability	Acquisition does not address IA roles and response	onsibilities.					
•	• •	grity, confidentiality and availability of systems and data. In outsourcing situations the em must be spelled out to ensure all are accomplished.					
Checks							
8	8500.2 DCIT-1	nte including took and an to answer IT and ince conflictly addresses Covernment					
	service provider, and end user IA roles and re Ensure the organization monitors compliance.	•					
	requirements.	A roles and responsibilities are not explicitely stated in acquisition or outsourcing					
	The organization is not monitoring compliance	of IT roles and responsibilities in outsourcing agreements.					
OPE		NOT REVIEWED: NOT APPLICABLE:					
Fixes							
Notes:	service provider, and end user IA roles and re	ompliance with all contract provisions plus applicable federal laws, directives,					

V0008393 CAT II Improper Use of Mobile Code 8500.2 DCMC-1 References: Department of Defense Instruction 8500.2 (DODI 8500.2) 8500.2 IA Control: DCMC-1 Vulnerability Improper Use of Mobile Code Vulnerability Improper use of mobile code equals compromised systems and data Discussion Checks 8500.2 DCMC-1 Use input from the following checklists and PDIs to determine the status of this check: 1. Application Checklist - Mobile Code Section 2. Desktop Application Checklist - Browser Checks, Office Automation Checks, General Windows Checks 3. If the application or device under test is not covered in the checklist, question the PM to determine how they meet the intent of this control **Default Finding** The following issues were noted: Emerging mobile code technologies that have not undergone a risk assessment by NSA and been assigned to a Risk Category by the Details DoD CIO is used. The following issues were noted: Emerging mobile code technologies that have not undergone a risk assessment by NSA and been assigned to a Risk Category by the DoD CIO are in use □Unsigned category 1 mobile code is used (must be signed with a DoD-approved PKI code-signing certificate; Use of unsigned Category 1 mobile code is prohibited) Category 1 mobile code technologies that cannot block or disable unsigned mobile code (e.g., Windows Scripting Host) is in use Untrusted Category 2 mobile code is in use (Category 2 mobile code which executes in a constrained environment without access to system resources (e.g., Windows registry, file system, system parameters, network connections to other than the originating host) may be used. Category 2 mobile code that does not execute in a constrained environment may be used when obtained from a trusted source over an assured channel (e.g., SIPRNET, SSL connection, S/MIME), code is signed with a DoD-approved code signing certificate. All other use of Category 2 mobile code is prohibited. DoD workstation and host software are configured to allow the download and execution of mobile code that is prohibited □ Automatic execution of all mobile code in email is allowed □E-mail software is not configured to prompt the user prior to executing mobile code in attachments OPEN: NOT A FINDING: NOT REVIEWED: NOT APPLICABLE: **Fixes** 8500.2 DCMC-1 ր □Discontinue use of all emerging mobile code technologies that have not undergone a risk assessment by NSA and been assigned to a Risk Category by the DoD CIO. □ Discontinue use of all category 1 mobile code that is not signed with a DoD-approved PKI code-signing certificate. □ Discontinue use of Category 1 mobile code technologies that cannot block or disable unsigned mobile code (e.g., Windows Scripting Host) n □ Category 2 mobile code, which executes in a constrained environment without access to system resources (e.g., Windows registry, file system, system parameters, network connections to other than the originating host) may be used. Category 2 mobile code that does not execute in a constrained environment may be used when obtained from a trusted source over an assured channel (e.g., SIPRNET, SSL connection, S/MIME), code is signed with a DoD-approved code signing certificate. Discontinue all other use of Category 2 mobile code. □ Configure all ĎoĎ workstation and host software , to the extent possible, to prevent the download and execution of mobile code that is prohibited ☐ Prohibit the automatic execution of all mobile code in email. " □ Configure all e-mail software to prompt the user prior to executing mobile code in attachments. Notes:

Algorithms are not FIPS 140-2 compliant 8500.2 DCNR-1 V0008394 CAT II 8500.2 IA Control: DCNR-1 References: Department of Defense Instruction 8500.2 (DODI 8500.2) Vulnerability Algorithms are not FIPS 140-2 compliant Vulnerability Approved algorithms are necessary to prevent compromise and theft of data. Discussion Checks 8500.2 DCNR-1 Determine the functions of the application and the enclave (network) that address: Digital signature Hash Determine algorithms being used. Ensure the algorithms are FIPS 140-2 compliant by checking the NIST web site (www.nist.gov). Default Finding Functions of the application and the enclave (network) that implement encryption, digital signature, key exchange and/or hash use Details algorithms that are not FIPS 140-2 compliant **NOT REVIEWED: NOT APPLICABLE: NOT A FINDING: Fixes** 8500.2 DCNR-1 Ensure the algorithms are FIPS 140-2 compliant by checking the NIST web site (www.nist.gov). Replace or upgrade systems do not use approved algorithms Notes:

Unauthorized use of software 8500.2 DCPD-1 V0008397 CAT II

Vulnerability Unauthorized use of software Vulnerability Public domain software is shareware and there cannot be any assurance the products integrity or security mechanisms exist without a Discussion code review or vulnerability analysis. Failure to properly authorize shareware before it is installed or used on corporate AISs could result in compromise of sensitive corporate resources. Checks 8500.2 DCPD-1 Scan the machines to determine if shareware/freeware exists. For each item found, verify that documentation exists either in the DAA signed SSAA or acknowledgement in a formal DAA signed accreditation document. If the freeware/shareware programs found on the scan are not listed, then the systems is non-compliant. Verify the organization complies with software usage restrictions. (NIST SA-6) Insure software and associated documentation are used in accordance with contract agreements and copyright laws. For software and associated documentation protected by quantity licenses, the organization employs tracking systems to control copying and distribution. The organization controls and documents the use of publicly accessible peer-to-peer file sharing technology to ensure that this capability is not used for the

8500.2 IA Control: DCPD-1

Default Finding The following issues were noted:

Details Binary or machine executable public domain software products and other software products with limited or no warranty such as those commonly known as freeware is being used without the approval or acknowledgement of the DAA.

References: Department of Defense Instruction 8500.2 (DODI 8500.2). NIST Special Publication 800-53 (SP 800-53)

The organization is not in compliance with software licensing agreements

The organization is not in compliance with software usage restrictions

OPEN:	NOT A FINDING:	NOT REVIEWED:	NOT APPLICABLE:
Fixes			
8500.2 DCPD	-1		
Document	and obtain the DAA's acknowledgeme	ent and approval for all binary or machine	executable public domain software

products (i.e. freeware/shareware0 and other software products with limited or no warranty.

Implement policy and procedures to ensure the the organization is in compliance with software licensing agreements.

Implement policy and procedures to ensure the the organization is in compliance with software usage restrictions.

unauthorized distribution, display, performance, or reproduction of copyrighted work. (NIST SA-6)

Notes:

8500.2 DCPP-1 V0008398 CAT II Noncompliance with DOD PPS CAL requirements

8500.2 IA Control:	DCPP-1	References: Department of Defense Instruction 8500.2 (DODI 8500.2)				
Vulnerability	Noncompliance with DOD PPS CAL requirements					
	Failure to comply with DoD ports, protocols, and services (PPS) CAL requirements can result in compromise of enclave boundary protections and/or functionality of the AIS.					
Checks						
8	500.2 DCPP-1					
	interface. Ensure that all ports, protocols, and For Lab tested systems ensure this information For Enclaves: Refer to the firewall section and the packet filter.	s listed. Ensure that the network ports, protocols, and services are listed for each services are registered in accordance with the DOD PPS. n is addressed in the PM's deployment plan for the hosting enclave. (See DCID-1) ering and logging section of the Network Checklist. e ports, protocols, and services in accordance with DoD and DoD Component				
	All System ports, protocols, and services are no	rotocols, and services for each application interface t registered in accordance with the DOD PPS CAL. ocols, and services in accordance with DoD and DoD Component guidance.				
OPE	EN: NOT A FINDING:	NOT REVIEWED: NOT APPLICABLE:]			
Fixes						
Notes:	services are registered in accordance with the For Lab tested systems ensure this informatio For Enclaves:	ports, protocols and services used for each Insure that all ports, protocols, and e DOD PPS. In is addressed in the PM's deployment plan for the hosting enclave. (See DCID-1) es in accordance with DoD and DoD Component guidance.)			

V0008399 CAT I 8500.2 DCPR-1

Inadequate Configuration Management (CM) process

References: Department of Defense Instruction 8500.2 (DODI 8500.2) 8500.2 IA Control: DCPR-1

Vulnerability Inadequate Configuration Management (CM) process

Vulnerability Security integrity of the system and the ability to back-up and recover from failures cannot be maintained without control of the system Discussion configuration. Unless the configuration is controlled by rigid processes administered by an independent board it much less likely to be in its approved and accredited state.

Checks

8500.2 DCPR-1

Verify that a CM process exists and it contains the following:

- (1) Formally documented CM roles, responsibilities, and procedures to include the management of IA information and
- (2) A configuration control board that implements procedures to ensure a security review and approval of all proposed DoD information system changes, to include interconnections to other DoD information systems (DCCB-1 and DCCB-2)
- (3) A testing process to verify proposed configuration changes prior to implementation in the operational environment (see also DCCT-1)
- (4) A verification process to provide additional assurance that the CM process is working effectively and that changes outside the CM process are technically or procedurally not permitted.

Enhancements from NIST CM-3, Required for MAC 1 and Classified; Recommended for all others.

- (1) The organization employs automated mechanisms to:
- (i) document proposed changes to the information system;
- (ii) notify appropriate approval authorities;
- (iii) highlight approvals that have not been received in a timely manner;
- (iv) inhibit change until necessary approvals are received; and
- (v) document completed changes to the information system.

Note: This control requires a testing process; DCCT-1 requires the testing to be performed.

Default Finding The following CM issues were noted:

Details There is no formal Configuration Management Process

The CM process does not include formally documented CM roles, responsibilities, and procedures to include the management of IA information and documentation

The CM process does not include a configuration control board that implements procedures to ensure a security review and approval of all proposed DoD information system changes, to include interconnections to other DoD information systems

The CM process does not include a testing process to verify proposed configuration changes prior to implementation in the operational environment

The CM process does not include a verification process to provide additional assurance that the CM process is working effectively and that changes outside the CM process are technically or procedurally not permitted

The organization does not employ automated mechanisms to:

- (i) document proposed changes to the information system;
- (ii) notify appropriate approval authorities:
- (iii) highlight approvals that have not been received in a timely manner;
- (iv) inhibit change until necessary approvals are received; and
- (v) document completed changes to the information system.

OPEN:	NOT A FINDING:	NOT REVIEWED:	NOT APPLICABLE:
Eivos			

8500.2 DCPR-1

Implement a CM process that contains the following:

- (1) Formally documented CM roles, responsibilities, and procedures to include the management of IA information and
- (2) A configuration control board that implements procedures to ensure a security review and approval of all proposed DoD information system changes, to include interconnections to other DoD information systems (DCCB-1 and DCCB-2)
- (3) A testing process to verify proposed configuration changes prior to implementation in the operational environment (see also DCCT-1)
- (4) A verification process to provide additional assurance that the CM process is working effectively and that changes outside the CM process are technically or procedurally not permitted.

Enhancements from NIST CM-3, Required for MAC 1 and Classified; Recommended for all others.

- (1) The organization employs automated mechanisms to:
- (i) document proposed changes to the information system:
- (ii) notify appropriate approval authorities;
- (iii) highlight approvals that have not been received in a timely manner;
- (iv) inhibit change until necessary approvals are received; and
- (v) document completed changes to the information system.

DoDI 8500-2 IA Control Checklist - MAC 3-Public Version 1, Release 1.4
28 March 2008

DISA Field Security Operations Developed by DISA for the DoD

Notes:					
8500.2 DCSE)-1	V0008400	CATI	Inadequate IA Documentation	on
8500.2 IA Control:	DCSD-1			References: Department of Defense Instruc	ction 8500.2 (DODI 8500.2)
Vulnerability	Inadequa	te IA Documentat	ion		
,	the facility	, personnel, syste	ems, and data, v	signed functions in accordance with DoD requirem which could lead to degraded security. If the DAA, tand the responsibilities of the position and the app	, IAM/IAO are not appointed in writing,
	The lack	of a complete Sys	tem Security Pl	an could lead to ineffective secure operations and	impede accreditation.
Checks					
8	500.2 DC	SD-1			
				tablished in writing. These roles are DAA and IAM/ raining, security clearance, and IT-designation.	/IAO. This must include assigned
	govern	the DoD informati	on system, and	at describes the technical, administrative, and proc identifies all IA personnel and specific IA requirem ination, system redundancy and backup, or emerg	nents and objectives (e.g.,
	Note: TI	ne System Securi	ty Plan is "Appe	endix S" in the SSAA.	
Default Finding Details	Required Appointm designation A System S System S Descrip Identificant Specificant	IA roles are not e ents of required land. Security Plan do ecurity Plan does tion of the technication of all IA per	stablished in wr A Roles do not i es not exist; It s not include the eal, administrativesonnel	riting. (DAA, IAM/IAO) nclude assigned duties and appointment criteria so hould be Appendix s of the SSAA following required information: ve, and procedural IA program and policies that go (e.g., requirements for data handling or disseminat	vern the DoD information system
OPE	N:	NOT A	FINDING:	NOT REVIEWED:	NOT APPLICABLE:
Fixes	2500 2 DC	SD 4			
Notes:	security Prepare the Dol	sh the required IA clearance, and I' a System Secur o information syst	Γ-designation. ty Plan that des em, and identific	The directive must include assigned duties and appropriate the technical, administrative, and procedurates all IA personnel and specific IA requirements are edundancy and backup, or emergency response).	al IA program and policies that govern

8500.2 DCSL-1 V0008401 CAT II

Improper management of system libraries

8500.2 IA Control:	DCSL-1	References: Department of Defense Ir	nstruction 8500.2 (DODI 8500.2)
Vulnerability	Improper management of system libraries		
	Liibraries contain program modules which possess a significant level of security bypass capability. Unauthorized access could result in the compromise of the operating system environment, ACP, and customer data.		
Checks			
8	3500.2 DCSL-1		
	digital signature or co Note: This will be a m The following PDIs and AAMV0050, AAMV00 ACP00110, ACP0014 the first part of the IA Cor Verify the organization	CLs are in place for directories and files that contain system binar omparison of hash values through an automated process. nanual check if the libraries are not online. oply to this control: PDI-Application 5.2.1, APP0610, ORAOFAM, 2060, AAMV0070, AAMV0320, AAMV0330, AAMV0340, AAMV03540, ACP00240, ZOMG0010, S103.450.00. A review of results will introl. In enforces explicit rules governing the downloading and installation at managed and maintained to protect privileged programs and to	AAMV0020, AAMV0030, AAMV0040, 0, ACP00060, ACP00070, ACP00100, provide information on compliance with
Details	Details unauthorized code. The following issues were noted: Proper DACLs are not in place for directories and files that contain system binaries The organization does not enforce explicit rules governing the downloading and installation of software by users.		
OPE	EN: NOT	A FINDING: NOT REVIEWED:	NOT APPLICABLE:
Fixes			
8	8500.2 DCSL-1		
	Insure proper DACLs are in place for directories and files that contain system binaries. For Lab tested systems address this item in the PM's deployment plan. Establish and enforce explicit rules governing the downloading and installation of software by users. (NIST SA-7)		
Notes:			

9000 or CMMI.

Notes:

V0008403 CAT II Software quality requirements not specified 8500.2 DCSQ-1 References: Department of Defense Instruction 8500.2 (DODI 8500.2) 8500.2 IA Control: DCSQ-1 Vulnerability Software quality requirements not specified Vulnerability Inattention to software quality requirements and validation methods will result in flawed or malformed software that can negatively Discussion impact integrity or availability (e.g., buffer overruns) Checks 8500.2 DCSQ-1 This check is limited to software development initiatives (not known COTS software issues). For GOTS developed applications, ensure that the software development life cycle includes steps that address software quality and validation requirements during development and testing. For vendor developed or COTs products, check for evidence of compliance with software quality initiatives, such as, ISO 9000 or CMMI Default Finding The following issues were noted: Details Software quality requirements are not specified in system requirements statements and/or contracts. Software development life cycle does not include steps that address software quality and validation requirements during development and testing. There is no evidence that vendor developed or COTS products used complied with software quality initiatives (i.e. ISO 5000 or CMMI). **NOT A FINDING:** NOT REVIEWED: NOT APPLICABLE: **Fixes** 8500.2 DCSQ-1 Amend contracts and/or requirements statements to include software quality requirements. For GOTS developed applications, develop and implement processes to ensure that the software development life cycle

steps that address software quality and validation requirements during development and testing.

For vendor developed or COTs products, include requirements for compliance with software quality initiatives, such as, ISO

8500.2 DCSR-1 V0008404 CAT I

Basic Robustness Protection Profiles not met

500.2 IA Control:	DCSR-1	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation	
Vulnerability	Basic Robustness Protection Profiles not me	et	
	At a minimum, basic-robustness COTS IA and IA-enabled products must be used to protect publicly released information from malicious tampering or destruction and ensure its availability. The basic-robustness requirements for products are defined in the Protection Profile Consistency Guidance for Basic Robustness published under the IATF.		
Checks			
8	3500.2 DCSR-1		
	technical solutions require, at a minimum, a FIPSvalidated cryptography, and the assura	chanisms are usually represented by good commercial practice. Basic robustness authenticated access control, NIST-approved key management algorithms, NIST ance properties specified in NSA-endorsed basic robustness protection profiles or e for Basic Robustness. The SSAA should list the products that are used. Compare	
Default Finding Details	COTS IA and IA-enabled products do not me	eet Basic Robustness Protection Profiles	
OPE	<u> </u>	NOT REVIEWED: NOT APPLICABLE:	
Fixes	8500.2 DCSR-1		
•		t the Basic Robustness Protection Profiles. List the products that are used. Compare	
Notos	that list against the approved products. Re	place those that don't meet or exceed the requirement.	
Notes:			
500.2 DCS	S-1 V0008407 CATI	Insufficient secure state assurance.	
500.2 DCS 500.2 IA Control:		Insufficient secure state assurance. References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation	
500.2 IA Control:		References: Department of Defense (DOD) Instruction 8500.2,	
500.2 IA Control:	DCSS-1 Insufficient secure state assurance.	References: Department of Defense (DOD) Instruction 8500.2,	
500.2 IA Control: Vulnerability Vulnerability	DCSS-1 Insufficient secure state assurance.	References: Department of Defense (DOD) Instruction 8500.2,	
Vulnerability Vulnerability Discussion Checks	DCSS-1 Insufficient secure state assurance.	References: Department of Defense (DOD) Instruction 8500.2,	
Vulnerability Vulnerability Discussion Checks	DCSS-1 Insufficient secure state assurance. 8500.2 DCSS-1	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation	
Vulnerability Vulnerability Discussion Checks	DCSS-1 Insufficient secure state assurance. 3500.2 DCSS-1 Rely on NIAP certification of devices and e Ensure each component of the system is cl	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation	
Vulnerability Vulnerability Discussion Checks	Insufficient secure state assurance. 3500.2 DCSS-1 Rely on NIAP certification of devices and e Ensure each component of the system is cl. System initialization, shutdown, and aborts a	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation nsure STIG requirements have been applied for each technology.	
Vulnerability Vulnerability Vulnerability Discussion Checks 8 Default Finding Details OPE	Insufficient secure state assurance. B500.2 DCSS-1 Rely on NIAP certification of devices and e Ensure each component of the system is cl. System initialization, shutdown, and aborts a NOT A FINDING:	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation nsure STIG requirements have been applied for each technology. hecked. re not configured to ensure that the system remains in a secure state.	
Vulnerability Vulnerability Vulnerability Discussion Checks 8 Default Finding Details OPE	Insufficient secure state assurance. 3500.2 DCSS-1 Rely on NIAP certification of devices and e Ensure each component of the system is cl System initialization, shutdown, and aborts a EN: NOT A FINDING:	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation Insure STIG requirements have been applied for each technology. hecked. The not configured to ensure that the system remains in a secure state. NOT REVIEWED: NOT APPLICABLE:	
Vulnerability Vulnerability Vulnerability Discussion Checks 8 Default Finding Details OPE	Insufficient secure state assurance. 3500.2 DCSS-1 Rely on NIAP certification of devices and e Ensure each component of the system is cl System initialization, shutdown, and aborts a EN: NOT A FINDING:	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation Insure STIG requirements have been applied for each technology. Hecked. The not configured to ensure that the system remains in a secure state. NOT REVIEWED: NOT APPLICABLE: Insure STIG requirements have been applied for each technology.	

V0008409 CAT I 8500.2 DCSW-1

Inadequate Baseline Software Inventory

References: Department of Defense Instruction 8500.2 (DODI 8500.2). 8500.2 IA Control: DCSW-1 NIST Special Publication 800-53 (SP 800-53)

Vulnerability Inadequate Baseline Software Inventory

Vulnerability Rigid control of the system baseline is required if the system is to have any assurance of Information Systems Security. New Discussion vulnerabilities are discovered continuously in commercial systems. Care must be taken to track all versions of all commercial products in use so that these deficiencies can be fixed quickly since they are almost immediately the subject of attempted exploits.

Checks

8500.2 DCSW-1

Examine the software inventory and to verify it includes the manufacturer, type, version, and installation manuals and procedures of each product and spot check to ensure it is up to date.

Verify backup copies of software inventory list are stored off-site or in a fire-rated container.

Other requirements (from NIST CM-2):

- (1) MAC 1 &2 and all Classified -Verify that the organization updates the baseline configuration as an integral part of information system component installations.
- (2) MAC 1 Verify that the organization employs automated mechanisms to maintain an up-to-date, complete, accurate, and readily available baseline configuration.

Default Finding The following issues were noted:

Details A baseline software inventory does not exist

The baseline software inventory does not contain all required information

The baseline software inventory does not list all software

The baseline software inventory is not current

Backup copies of software inventory list are not stored off-site or in a fire-rated container.

MAC 1 2 and all classified - The organization does not update the baseline configuration as an integral part of information system component installations. (NIST CM-2)

MAC 1 - The organization employs automated mechanisms to maintain an up-to-date, complete, accurate, and readily available baseline configuration. (NIST CM-2)

OPEN:	NOT A FINDING:	NOT REVIEWED:	NOT APPLICABLE:
Fixes			

8500.2 DCSW-1

Establish a baseline software inventory and ensure it includes the manufacturer, type, version, and installation manuals and procedures of each product.

Establish procedures to keep the sofrware inventory up to date.

Ensure backup copies of software inventory list are stored off-site or in a fire-rated container.

Other requirements (from NIST CM-2):

(1) MAC 1 &2 and all Classified -Establish procedures to update the baseline configuration as an integral part of information system component installations.

(2) MAC 1 - Employ automated mechanisms to maintain an up-to-date, complete, accurate, and readily available baseline configuration.

Notes:			

8500.2 EBBD-1 V0008410 CAT III

Inadequate Boundary Defense

8500.2 IA Control:	EBBD-1	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation	
Vulnerability	Inadequate Boundary Defense		
	If intrusion detection and intrusion prevention devices are not installed on the host site network, network and system attacks or compromises cannot be detected or prevented.		
	Without the Dual-Homed screened subnet (DMZ) architecture traffic that would be normally destined for the DMZ would have to be redirected to the sites internal network. This would allow for a greater opportunity for hackers to exploit.		
Checks			
8	8500.2 EBBD-1		
	For enclaves, ensure a firewall and IDS are in place at the enclave boundary. Ensure Internet access is routed through a demilitarized zone (DMZ) that meets the DoD requirement that such contacts are isolated from other DoD systems by physical or technical means. Ensure all Internet access points are under the management and control of the enclave. It is acceptable, if there is an upstream provider and the site has an agreement for the upstream provider to manage it.		
Default Finding Details	The following issues were noted: Site does not have a firewall or firewalls protecting the entire facility or the device is not in a deny-by-default posture. Intrusion detection (NID/JID) devices and intrusion deterrence (Firewall) devices are not installed. A dual-homed screened subnet architecture (DMZ) does not exist or is not being used to protect the enclave as required. Internet access exists that is not under the control of the enclave manager.		
OPEN: NOT A FINDING: NOT REVIEWED: NOT APPLICABLE:			
8500.2 EBBD-1			
Notes:	For enclaves, install a firewall and IDS at Route Internet access through a demilita other DoD systems by physical or technic Ensure all Internet access points are uncompared to the control of the cont	rized zone (DMZ) that meets the DoD requirement that such contacts are	isolated from

3500.2 EBCF	R-1 V0008413 CAT II Noncompliance with connection rules		
3500.2 IA Control:	EBCR-1 References: Department of Defense Instruction 8500.2 (DODI 8500.2)		
Vulnerability	Noncompliance with connection rules		
Vulnerability Discussion			
Checks			
8	8500.2 EBCR-1 Examine the SSAA to ensure that the IATC and/or ATC exists. Ensure that a connection approval exists for the site from the appropriate connection approval office (e.g., SCAO, SNAP) and it is being followed. Ensure that major systems (networks) maintain their own connection approval process for governing the connection of their customers and users.		
Default Finding The Approval to connect to DOD Information Systems does not exist or is out dated. Details The site does not have the Connection Approval Process (CAP) documentation. The Enclave is not in compliance with the rules governing the connection approval.			
OPE	EN: NOT A FINDING: NOT REVIEWED: NOT APPLICABLE:		
Fixes	3500.2 EBCR-1		
Notes:	For an Enclave: Obtain the appropriate connection approval (IATC or ATC). Insure guidance from the appropriate office (e.g.,. SCAO, SNAP) is available and that it is followed. For a Network: Develop and implement a connection approval process for governing the connection of customers and users.		
3500.2 EBPV	V-1 V0008414 CAT I Direct access allowed.		
3500.2 IA Control:	,		
Vulnerability	Direct access allowed. Connections between DoD enclaves and the Internet or other public or commercial wide area networks require a demilitarized zone (DMZ) to insure risk to DOD Systems is minimized.		
Checks	· · · · · · · · · · · · · · · · · · ·		
	Ison.2 EBPW-1 If the application or enclave is publicly accessible, ensure that the traffic is being routed through a DMZ.		
Default Finding Details	Public or Commercial Access to the DOD System is not through a demilitarized zone (DMZ).		
OPE Fixes	NOT A FINDING: NOT REVIEWED: NOT APPLICABLE: S500.2 EBPW-1 Reconfigure the application or system to ensure that the commercial and public access is through a DMZ.		
Notes:			

VPN traffic not visible to IDS 8500.2 EBVC-1 V0008417 CAT II 8500.2 IA Control: EBVC-1 References: Department of Defense Instruction 8500.2 (DODI 8500.2) Vulnerability VPN traffic not visible to IDS Vulnerability Intruders can escape detection by hijacking a VPN connection from a trusted enclave or assuming the identity of a trusted user of the Discussion VPN Checks 8500.2 EBVC-1 Verify the VPN tunnel terminates prior to the network intrusion detection systems (IDS/Firewall) and the unencrypted data payload is monitored by an active Network IDS or Firewall. PDI, Net1625, directly applies. PDIs Net1800 and Net1820 also may **Default Finding** VPN traffic is not visible to network intrusion detection systems (IDS firewalls). Details **NOT A FINDING: NOT REVIEWED:** NOT APPLICABLE: OPEN: **Fixes** 8500.2 EBVC-1 Reconfigure the connection to terminate the VPN tunnel prior to the network intrusion detection systems (IDS) so that the unencrypted data payload is monitored by an active Network IDS. Notes:

8500.2 ECAR-1 V0008420 CAT III Inadequate audit record content

8500.2 IA Control: ECAR-1 References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation Vulnerability Inadequate audit record content Vulnerability Minimum Audit record content is required to ensure detection, attribution, and recovery from changes to DOD information and systems. Discussion Checks 8500.2 ECAR-1 Review the audit records and ensure that audit records include: - User ID. - Successful and unsuccessful attempts to access security files. - Date and time of the event. - Type of event. **Default Finding** The following required data was missing from audit records: Details User ID. Successful and unsuccessful attempts to access security files Date and time of the event Type of event. **NOT A FINDING:** NOT REVIEWED: NOT APPLICABLE: **Fixes** 8500.2 ECAR-1 Configure system to insure that audit records include: - Successful and unsuccessful attempts to access security files. - Date and time of the event.

- Type of event.

V0008423 CAT III Inadequate audit record review 8500.2 ECAT-1 References: Department of Defense Instruction 8500.2 (DODI 8500.2) 8500.2 IA Control: ECAT-1 Vulnerability Inadequate audit record review Vulnerability Audit records for all sources must be regularly reviewed and suspected violations of IA Policies must be analyzed and reported. This is Discussion to protect Critical DOD Systems from possible harm and/or exploitation and to protect Critical DOD Information. Checks 8500.2 ECAT-1 Interview the IAM and look at the SOPs to ensure that audit records are reviewed regularly and suspected violations of IA policies are analyzed and reported. Select a sampling of components/devices and verify that the audit records have been reviewed by looking for incidents of read access to the audit files in the audit logs. **Default Finding** The following issues were noted: Details Audit trail records from all available sources are not regularly reviewed for indications of inappropriate or unusual activity. Suspected violations of IA policies are not analyzed Suspected violations of IA Policies are not reported in accordance with DoD information system IA procedures. NOT REVIEWED: **OPEN: NOT A FINDING:** NOT APPLICABLE: **Fixes** 8500.2 ECAT-1 Develop and implement SOPs to ensure that audit records are reviewed regularly and suspected violations of IA policies are analyzed and reported. Notes: Inadequate access control mechanisms 8500.2 ECCD-1 V0008425 CAT II 8500.2 IA Control: ECCD-1 Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation Vulnerability Inadequate access control mechanisms Vulnerability Without access control the data is not secure. It can be compromised, misused or changed by unauthorized access at any time. Discussion Checks 8500.2 ECCD-1 Examine the system and verify access control mechanisms have been established and are working to ensure that data is accessed and changed only by authorized personnel. Default Finding Access control mechanisms do not exist to ensure that data is accessed and changed only by authorized personnel. **Details NOT A FINDING:** NOT REVIEWED: NOT APPLICABLE: **OPEN Fixes** 8500.2 ECCD-1 Configure the system to establish control mechanisms to ensure that data is accessed and changed only by authorized personnel. Notes:

8500.2 ECIM-1 V0008436 CAT II Unapproved Instant messaging

8500.2 IA Control: ECIM-1 References: Department of Defense Instruction 8500.2 (DODI 8500.2) Vulnerability Unapproved Instant messaging Vulnerability Instant messaging has been subject of multiple security vulnerabilities that have permitted unauthorized access to users computers, Discussion denial of service attacks, and message spoofing. Only DOD approved IM services are allowed to transit the enclave boundary. Checks 8500.2 ECIM-1 Review firewall and router configurations and verify that only DOD approved IM services are allowed to transit the enclave boundary. If IM services are running and connecting to services outside the DOD, check to verify they are proxied at the enclave boundary. Also, verify that unapproved IM clients / services are uninstalled or disabled on all operating systems. **Default Finding** The following issues were noted: Details Unapproved IM clients / services are installed Unapproved IM Services are in use Firewall and router configurations allow IM Services NOT A FINDING: NOT REVIEWED: **NOT APPLICABLE:** OPEN: **Fixes** 8500.2 ECIM-1 Establish firewall and router configurations to ensure that only DOD approved IM services are allowed to transit the enclave boundary. If IM services are running and connecting to services outside the DOD, reconfigure to ensure they are proxied at the enclave boundary. Ensure that unapproved IM clients / services are uninstalled or disabled on all operating systems. Notes:

8500.2 ECLP-1 V0008440 CAT I Separation of duties and least privilege principle

8500.2 IA Control:	ECLP-1	References:	Department of Defense Instru	uction 8500.2 (DODI 8500.2)	
Vulnerability	Separation of duties and least privilege principles not enforced				
	Without a least privilege policy a user can gain access to information that he or she is not entitled to and can compromise confidentiality, integrity, and availability of the system. Also, if a hacker gains access to an account they assume the privileges of the user; minimizing privileges reduces the risk associated with hijacked accounts.				
		t to perform routine functions makes luring a session that has been grant		tack by any virus or Trojan Horse	
	The rules of least privilege	e and separation of duties must alwa	ays be enforced.		
Checks					
8	3500.2 ECLP-1				
	ACF0750, 1.006, DO01: indicators. Verify that privileged using their privileged ac	ion uses and enforces the least privi 21, DO0120, DG0080, APP0520, NF ers have separate accounts for privil count for non-privileged functions. or record of functions being performe web browsing.	PR250, NET1374, NET0465, al	nd NCV050 can be used as ged functions. Ensure that they not	
Default Finding Details	The principle of least pri	noted: vilege is not being rigorously applied on of duties is not being enforced.	l.		
OPE Fixes		FINDING: NOT	REVIEWED:	NOT APPLICABLE:	
:	8500.2 ECLP-1				
	management data and Insure that privileged us	least privilege policy that controls a install security mechanisms. sers have separate accounts for priviledures to ensure that privileged use	ileged functions and non-privile		
Notes:					

8500.2 ECMT-1 V0008442 CAT II

Inadequate Conformance Testing Program

8500.2 IA Control:	ECMT-1	References: Department of Defense Instruction 8500.2 (DODI 8500.2)
Vulnerability	Inadequate Conformance Testing Program	
		n rate. Our adversaries are easily exploiting our slow response to system patching and rity configurations. A routine conformance testing program is necessary to detect n is minimized.
Checks		
8	8500.2 ECMT-1	
	assessment process and that they are periodic to ensure compliance with all vulnerability mitic Verify that the following guidance from the JTF 1. SCAN ALL SYSTEMS AND NETWORKS, A AUTOMATED TOOL THROUGH 31 JANUARY 2. BEGINNING 1 FEBRUARY, SCANS ARE R Verify that Vulnerability scanning tools include	T A MINIMUM, TWICE MONTHLY USING THE SCCVI, OR SIMILAR / 2006.
Default Finding Details	The following issues were noted: The organization does not have a program of recommendation the self assessment program does not include in the penetration tests are not unannounced. Approved automated tools are not in use.	
OPE Fixes		NOT REVIEWED: NOT APPLICABLE:
	are included as part of this self-assessment proce specific penetration testing to ensure compliar IA practices. The following guidance from the JTF GNO mu 1. SCAN ALL SYSTEMS AND NETWORKS, A AUTOMATED TOOL THROUGH 31 JANUARY 2006. 2. BEGINNING 1 FEBRUARY, SCANS ARE F	T A MINIMUM, TWICE MONTHLY USING THE SCCVI, OR SIMILAR
Notes:		

V0008444 CAT III

8500.2 ECND-1 8500.2 IA Control: ECND-1 References: Department of Defense Instruction 8500.2 (DODI 8500.2) Vulnerability Ineffective network device control program Vulnerability Discussion Checks 8500.2 ECND-1 Review the documentation for a sampling of network devices to ensure the documentation addresses the following: -instructions for restart and recovery procedures -restrictions on source code access -system utility access -system documentation -protection from deletion of system and application files -structured process for implementation of directed solutions (e.g., IAVA). **Default Finding** Documentation of network devices did not include: **Details** -instructions for restart and recovery procedures -restrictions on source code access -restrictions on system utility access -restrictions on access to system documentation -protection from deletion of system and application files -structured process for implementation of directed solutions (e.g., IAVA). **NOT APPLICABLE:** NOT A FINDING: **NOT REVIEWED: Fixes** 8500.2 ECND-1 Insure documentation for network devices addresses the following: -instructions for restart and recovery procedures -restrictions on source code access -restrictions on system utility access -restrictions on access to system documentation -protection from deletion of system and application files -structured process for implementation of directed solutions (e.g., IAVA). Notes:

Ineffective network device control program

V0008448 CAT I Roles-base-access is not used 8500.2 ECPA-1 8500.2 IA Control: ECPA-1 References: Department of Defense Instruction 8500.2 (DODI 8500.2). NIST Special Publication 800-53 (SP 800-53) Vulnerability Roles-base-access is not used Vulnerability Discussion Checks 8500.2 ECPA-1 Review documentation to ensure that system management privileges are broken into roles or security groups, and individuals are assigned to these roles based on their job assignment. Reference DCSD-1 and ECAN-1. **Default Finding** The following Issues were noted: System management privileges are not broken into roles or security groups **Details** Individuals are not properly assigned to roles or security groups NOT REVIEWED: **OPEN** NOT A FINDING: NOT APPLICABLE: **Fixes** 8500.2 ECPA-1 Implement and enforce procedures to ensure that system management privileges are broken into roles or security groups, and individuals are assigned to these roles based on their job assignment. Notes: Application programmer privileges not limited 8500.2 ECPC-1 V0008449 CAT II 8500.2 IA Control: ECPC-1 References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation Vulnerability Application programmer privileges not limited Vulnerability Discussion Checks 8500.2 ECPC-1 Review the configuration control documentation to determine the authorized list of application programmers with permission to modify the production code and data. Ensure the process for posting changes to code and data incorporates the authorized list the process and that the process and authorized list of programmers are reviewed periodically. **Default Finding** The following issues were noted: Details Application programmer privileges to change production code and data are not limited Application programmer privileges to change production code and data are not periodically reviewed Annual minimum). OPEN: **NOT A FINDING:** NOT REVIEWED: NOT APPLICABLE: **Fixes** 8500.2 ECPC-1 Compile an authorized list of application programmers with permission to modify the production code and data. Ensure the process for posting changes to code and data incorporates the authorized list into the process and that the process and authorized list of programmers are reviewed periodically (minimum of annually). Notes:

Audit Tools not available 8500.2 ECRG-1 V0008452 CAT III 8500.2 IA Control: ECRG-1 References: Department of Defense Instruction 8500.2 (DODI 8500.2) Vulnerability Audit Tools not available Vulnerability Audit review is less likely to be performed if tools are not available to assist this function. Discussion Checks 8500.2 ECRG-1 Verify that automated tools are available to assist with review of the audit logs and reports generation. **Default Finding** Tools are unavailable for the review of audit records and for report generation from audit records. **Details** NOT A FINDING: **NOT REVIEWED: NOT APPLICABLE: Fixes** 8500.2 ECRG-1 Procure automated tools for the review of audit records and for report generation from audit records. Notes: 8500.2 ECRR-1 V0008453 CAT II Audit records not properly retained 8500.2 IA Control: ECRR-1 References: Department of Defense Instruction 8500.2 (DODI 8500.2) Vulnerability Audit records not properly retained Vulnerability Retention of audit records is necessary for proper recovery from system malfunction, service disruption or attack. Discussion Checks 8500.2 ECRR-1 Verify the proper retention of audit logs. You must get answers to the following questions: ·Is SAMI Data present? ·If yes, are audit records retained for 5 years? ·If no, are audit records retained for 1 year? Default Finding Audit records are not being properly retained **Details OPEN NOT A FINDING: NOT REVIEWED:** NOT APPLICABLE: **Fixes** 8500.2 ECRR-1 Correct organization procedures to ensure proper retention of audit logs. Notes:

3500.2 ECS	C-1 V0008454 CATI	Dob Security configuration guides not applied.
3500.2 IA Control:	l: ECSC-1	References: Department of Defense Instruction 8500.2 (DODI 8500.2)
Vulnerability	y DoD Security configuration guides not applied.	
	y System intrusions occur at an unacceptably highn security configurations.	rate. Our adversaries are easily exploiting failures of some SAs to maintain approved
Checks	S	
	8500.2 ECSC-1 Ensure compliance with approved configuration	n guidance.
Default Finding Details	Not All DoD security configuration or implementa s	ation guides have been applied.
	PEN: NOT A FINDING:	NOT REVIEWED: NOT APPLICABLE:
Fixes	s 8500.2 ECSC-1	
		entation guides to all equipment, software, facilities, networks, and applications.
Notes	, ·	
Notes	o.	
Notes		
Notes		
3500.2 ECS		Inadequate Software Change Control
	D-1 V0008455 CAT II	Inadequate Software Change Control References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation
3500.2 ECS	D-1 V0008455 CAT II	References: Department of Defense (DOD) Instruction 8500.2,
3500.2 ECS 3500.2 IA Control: Vulnerability Vulnerability	SD-1 V0008455 CAT II I: ECSD-1 y Inadequate Software Change Control	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation
3500.2 ECS 3500.2 IA Control: Vulnerability Vulnerability	i: ECSD-1 y Inadequate Software Change Control y Applications are most vulnerable during the deven accidental changes that could have a negative in	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation
S500.2 ECS S500.2 IA Control: Vulnerability Vulnerability Discussion Checks	SD-1 V0008455 CAT II I: ECSD-1 y Inadequate Software Change Control y Applications are most vulnerable during the deven accidental changes that could have a negative in s 8500.2 ECSD-1	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation elopment and change process. Tight control is necessary to prevent malicious or inpact on mission systems.
S500.2 ECS S500.2 IA Control: Vulnerability Vulnerability Discussion Checks	SD-1 V0008455 CAT II I: ECSD-1 y Inadequate Software Change Control y Applications are most vulnerable during the deven accidental changes that could have a negative in s 8500.2 ECSD-1	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation
3500.2 ECS 3500.2 IA Control: Vulnerability Vulnerability Discussion Checks	i: ECSD-1 I: ECSD-1 Iy Inadequate Software Change Control y Applications are most vulnerable during the deve n accidental changes that could have a negative in s 8500.2 ECSD-1 Interview the program or project manager in ch provide change control documentation.	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation elopment and change process. Tight control is necessary to prevent malicious or inpact on mission systems.
S500.2 ECS S500.2 IA Control: Vulnerability Vulnerability Discussion Checks Default Finding Details	in ECSD-1 y Inadequate Software Change Control y Applications are most vulnerable during the deven accidental changes that could have a negative in s 8500.2 ECSD-1 Interview the program or project manager in change control documentation. g Change controls for software development are in being implemented. NOT A FINDING:	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation elopment and change process. Tight control is necessary to prevent malicious or inpact on mission systems.
S500.2 ECS S500.2 IA Control: Vulnerability Vulnerability Discussion Checks Default Finding Details	in ECSD-1 y Inadequate Software Change Control y Applications are most vulnerable during the deven accidental changes that could have a negative in s 8500.2 ECSD-1 Interview the program or project manager in change control documentation. g Change controls for software development are in being implemented. NOT A FINDING:	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation elopment and change process. Tight control is necessary to prevent malicious or impact on mission systems. harge and have them describe the process for meeting this control and have them hadequate to prevent unauthorized programs or modifications to existing programs from
S500.2 ECS S500.2 IA Control: Vulnerability Vulnerability Discussion Checks Default Finding Details	i: ECSD-1 I: ECSD-1 Iy Inadequate Software Change Control y Applications are most vulnerable during the deven accidental changes that could have a negative in accidental changes that could have a negative in Interview the program or project manager in chaprovide change control documentation. G Change controls for software development are in being implemented. NOT A FINDING: S 8500.2 ECSD-1 Implement guidance for review and approval or	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation elopment and change process. Tight control is necessary to prevent malicious or impact on mission systems. harge and have them describe the process for meeting this control and have them hadequate to prevent unauthorized programs or modifications to existing programs from
S500.2 ECS S500.2 IA Control: Vulnerability Vulnerability Discussion Checks Default Finding Details	in ECSD-1 It is ECSD-1 It is ECSD-1 It is ECSD-1 It is in adequate Software Change Control It is in accidental changes that could have a negative in accidental changes that could have a negative in accidental changes that could have a negative in Interview the program or project manager in change control documentation. It is in accidental change control documentation.	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation elopment and change process. Tight control is necessary to prevent malicious or inpact on mission systems. earge and have them describe the process for meeting this control and have them inadequate to prevent unauthorized programs or modifications to existing programs from inadequate to prevent unauthorized programs or modifications to existing programs from inadequate to prevent unauthorized programs or modifications to existing programs from inadequate to prevent unauthorized programs or modifications to existing programs from inadequate to prevent unauthorized programs or modifications to existing programs from inadequate to prevent unauthorized programs or modifications to existing programs from inadequate to prevent unauthorized programs or modifications to existing programs from inadequate to prevent unauthorized programs or modifications to exist in programs from inadequate to prevent unauthorized programs or modifications to exist in programs from inadequate to prevent unauthorized programs or modifications to exist in programs from inadequate to prevent unauthorized programs or modifications to exist in programs from inadequate to prevent unauthorized programs or modifications to exist in programs from inadequate to prevent unauthorized programs or modifications to exist in programs from inadequate to prevent unauthorized programs or modifications to exist in programs from inadequate to prevent unauthorized programs or modifications to exist in programs or modifications to exist in programs from inadequate to prevent unauthorized programs or modifications to exist in programs or modifications to exist in programs or modifications or modifications to exist in programs or modifications

V0008459 CAT II Integrity mechanisms not properly employed 8500.2 ECTM-1 8500.2 IA Control: ECTM-1 References: Department of Defense Instruction 8500.2 (DODI 8500.2) Vulnerability Integrity mechanisms not properly employed Vulnerability If integrity checks (hash algorithms and/or checksums) are not used to detect errors in data streams there is no way to ensure the **Discussion** integrity of the application data as it traverses the network. Checks 8500.2 ECTM-1 Discuss the ECTM-1 requirement with the PM/Application Developer/Design Engineer to determine what is done to assure compliance. Test and verify. **Default Finding** The system does not employ a method to ensure the integrity of input and output files. Details NOT REVIEWED: NOT APPLICABLE: **NOT A FINDING: Fixes** 8500.2 ECTM-1 Employ Hash algorithms and/or checksums to detect errors in data streams Notes: 8500.2 ECTP-1 V0008461 CAT II Excessive access to audit trails References: Department of Defense Instruction 8500.2 (DODI 8500.2) 8500.2 IA Control: ECTP-1 Vulnerability Excessive access to audit trails Vulnerability Excessive permissions of audit records allow cover up of intrusion or misuse of the application. Discussion Checks 8500.2 ECTP-1 Input for this control can be obtained from the O/S and application reviewers. SA can read audit logs IAO are authorized to delete the audit log after it is archived No other access is permitted Default Finding The contents of audit trails are not protected against unauthorized access, modification or deletion. **Details NOT A FINDING: NOT REVIEWED:** NOT APPLICABLE: OPEN **Fixes** 8500.2 ECTP-1 Implement the following controls on audit records: SA can read audit logs IAO are authorized to delete the audit log after it is archived No other access is permitted Notes:

8500.2 ECVI-1 V0008462 CAT II Unauthorized use of VOIP

8500.2 IA Control:	ECVI-1	References:	Department of Defense Instru	ction 8500.2 (DODI 8500.2)
Vulnerability	Unauthorized use of VOIP			
		DoD information systems. ry. Note: This does not inc	Both inbound and outbound in	e independently configured by end users dividually configured voice over IP traffic is nfigured by a DoD AIS application or
Checks				
8	500.2 ECVI-1			
	Review firewall and router configur boundary. Also, verify that unapproved VoIP v	•		
	The following issues were noted: Is IP telephony clients are independently configured by end users. Individually configured voice over IP traffic, both inbound and outbound, is not blocked at the enclave boundary. The DAA did not authorize the use of VOIP.			
OPE Fixes	EN: NOT A FINDII	NG: NOT	REVIEWED:	NOT APPLICABLE:
	3500.2 ECVI-1			
		· ·	, ,,	IP services are allowed to transit the installed or are disabled on all
Notes:				

8500.2 ECVP-1 V0008463 CAT I

Inadequate anti-virus software

8500.2 IA Control:	ECVP-1	Refere	nces: Department of Defense I NIST Special Publication	Instruction 8500.2 (DODI 8500.2) , n 800-53 (SP 800-53)
Vulnerability	Inadequate anti-virus so	oftware		
		ecurity software will assure the ir ions, exposures, and/or threats.	tegrity of the system and applic	cation data and protects against possible internal
Checks				
8	3500.2 ECVP-1			
		orograms are installed and the pa ware protections are implemente		
		s and mobile computing devices of include capability for automation of implemented.		
OPE	EN: NOT	A FINDING: N	OT REVIEWED:	NOT APPLICABLE:
Fixes				
;	8500.2 ECVP-1			
		s to insure that antivirus program s to insure spam and spyware pr	•	
Notes:				

8500.2 ECWM-1 V0008464 CAT I

Inadequate Warning Message

3500.2 IA Control:	ECWM-1	References: Depa	irtment of Defense Instr	uction 8500.2 (DODI 8500.2)	
Vulnerability	Inadequate Warning Message				
	A logon banner is used to warn users against unauthorized entry and the possibility of legal action for unauthorized users, and advis all users that system use constitutes consent to monitoring, recording and auditing, and that they have no expectation of privacy. Failure to display a logon warning banner without this type of information could adversely impact the ability to prosecute unauthorized users and users who abuse the system.				
Checks					
8	8500.2 ECWM-1				
	Ensure that an approved wa	rning banner is installed on every syst	em.		
	The following issues were note A warning message does not e				
		tes the users consent to monitoring d to official US Government business criminal prosecution	only		
OPE	EN: NOT A FI	NDING: NOT REV	/IEWED:	NOT APPLICABLE:	
Fixes	i				
;	8500.2 ECWM-1				
	Implement an approved war	ning banner on every system.			
Notes:					

8500.2 ECWN-1 V0008465 CAT I

Improper Wireless capabilities Implementation

8500.2 IA Control:	ECWN-1	References: Department of Defense Instruction 8500.2 (DODI 8500.2)			
Vulnerability	Improper Wireless capabilities Implementation				
Vulnerability Wireless computing and networking capabilities from workstations, laptops, personal digital assistants (PDAs), handher Discussion cellular phones, or other portable electronic devices are easily exploited by outsiders and easily misused by users. Resort compromise of sensitive data and/or compromise of the system.					
Checks					
8	8500.2 ECWN-1				
	Verify that all implemented wireless services a Verify that local site documentation includes in	scovery and wireless device reviewer(s) to identify active wireless services. are documented in the SSAA and approved by the DAA. astructions to users on operation of approved and unapproved wireless services. are not independently configurable by the users.			
	from workstations, laptops, personal digital assistants (PDAs), handheld computers, ices are implemented in accordance with DoD wireless policy. The following issues nted in the SSAA. Justions to users on operation of approved and unapproved wireless services. dded wireless services be disabled unless specifically authorized by the DAA. may be independently configured by end users.				
OPE		NOT REVIEWED: NOT APPLICABLE:			
Fixes					
•	computers, cellular phones, or other portable Document all wireless services in the SSAA. Include instructions to users on operation of a Implement and enforce procedures to require DAA.	g capabilities workstations, laptops, personal digital assistants (PDAs), handheld electronic devices in accordance with DoD wireless policy. pproved and unapproved wireless services in local site documentation. that imbedded wireless services be disabled unless specifically authorized by the wireless computing and networking capabilities from being independently			
Notes:					

8500.2 IAKM-1

V0008469 CAT II

Insufficient Key management References: Department of Defense (DOD) Instruction 8500.2, 8500.2 IA Control: IAKM-1 Information Assurance (IA) Implementation Vulnerability Insufficient Key management Vulnerability Discussion Checks 8500.2 IAKM-1 Interview the network, OS, and application reviewers to determine if the site is using key management technology. Verify that all symmetric key management technology is NIST-approved and that all asymmetric keys are managed using DOD PKI Class 3 certificates or pre-placed keying material. **Default Finding** The following issues were noted: Details Symmetric Keys are produced, controlled, and distributed using other than NIST-approved key management technology and processes. Asymmetric Keys are produced, controlled, and distributed using other than DoD PKI Class 3 certificates or pre-placed keying material. **NOT REVIEWED:** OPEN: NOT A FINDING: **NOT APPLICABLE: Fixes** 8500.2 IAKM-1 Develop and implement procedures to ensure that all symmetric key management technology is NIST-approved and that all asymmetric keys are managed using DOD PKI Class 3 certificates or pre-placed keying material. Notes: DoD PKI not used for IA 8500.2 IATS-1 V0008472 CAT II References: Department of Defense (DOD) Instruction 8500.2. 8500.2 IA Control: IATS-1 Information Assurance (IA) Implementation Vulnerability DoD PKI not used for IA Vulnerability Discussion Checks 8500.2 IATS-1 Verify the site uses their Common Access Card (CAC) to access all systems. Default Finding Identification and authentication is not accomplished using the DoD PKI Class 3 certificate and hardware security token Details NOT A FINDING: **NOT REVIEWED:** OPEN: NOT APPLICABLE: **Fixes** 8500.2 IATS-1 Configure all systems to use the DoD PKI Class 3 certificate and hardware security token for Identification and authentication. Notes:

8500.2 PEEL-1 V0008480 CAT III

Inadequate automatic emergency lighting system

8500.2 IA Control:	PEEL-1	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation
Vulnerability	Inadequate automatic emergency lighting s	system
Vulnerability Discussion		cause injury and/or death to employees and emergency responders.
Checks		
8	3500.2 PEEL-1	
	Look over the facility and verify that autor emergency exits and evacuation routes.	matic emergency lighting exists in areas containing MAC III equipment that covers
	PDI ISS-015 covers this requirement	
Default Finding Details		oes not properly cover the areas required by the IA Control.
OPE Fixes	EN: NOT A FINDING:	NOT REVIEWED: NOT APPLICABLE:
	8500.2 PEEL-1	
	Install automatic emergency lighting in a	reas containing MAC III equipment that covers emergency exits and evacuation routes.
Notes:		
8500.2 PEFD		Inadequate fire detection
8500.2 PEFD 8500.2 IA Control:		Inadequate fire detection References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation
8500.2 IA Control:		References: Department of Defense (DOD) Instruction 8500.2,
8500.2 IA Control:	PEFD-1 Inadequate fire detection	References: Department of Defense (DOD) Instruction 8500.2,
8500.2 IA Control: Vulnerability Vulnerability	PEFD-1 Inadequate fire detection	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation
8500.2 IA Control: Vulnerability Vulnerability Discussion Checks	PEFD-1 Inadequate fire detection Inadequate fire detection and alerting can of the second sec	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation cause injury and death to personnel and major facility damage.
8500.2 IA Control: Vulnerability Vulnerability Discussion Checks	PEFD-1 Inadequate fire detection Inadequate fire detection and alerting can of the second sec	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation
8500.2 IA Control: Vulnerability Vulnerability Discussion Checks	PEFD-1 Inadequate fire detection Inadequate fire detection and alerting can of the second sec	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation cause injury and death to personnel and major facility damage. the facility to verify the existence of properly installed battery-operated or electric
8500.2 IA Control: Vulnerability Vulnerability Discussion Checks	PEFD-1 Inadequate fire detection Inadequate fire detection and alerting can of the standard s	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation cause injury and death to personnel and major facility damage. the facility to verify the existence of properly installed battery-operated or electric
8500.2 IA Control: Vulnerability Vulnerability Discussion Checks	PEFD-1 Inadequate fire detection Inadequate fire detection and alerting can of the second sec	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation cause injury and death to personnel and major facility damage. the facility to verify the existence of properly installed battery-operated or electric ement but not specifically.
8500.2 IA Control: Vulnerability Vulnerability Discussion Checks 8 Default Finding Details	Inadequate fire detection Inadequate fire detection and alerting can observe the Security Manager and tour standalone smoke detectors. PDI ISS-010 generally covers this require. There are no battery-operated or electric standalone.	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation cause injury and death to personnel and major facility damage. the facility to verify the existence of properly installed battery-operated or electric ement but not specifically.
8500.2 IA Control: Vulnerability Vulnerability Discussion Checks 8 Default Finding Details OPE	Inadequate fire detection Inadequate fire detection and alerting can alerting can be allowed by the security Manager and tour standalone smoke detectors. PDI ISS-010 generally covers this required the security Manager and tour standalone smoke detectors. PDI ISS-010 generally covers this required the security Manager and tour standalone smoke detectors. PDI ISS-010 generally covers this required the security of the security of the security Manager and tour standalone smoke detectors. PDI ISS-010 generally covers this required the security of the se	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation cause injury and death to personnel and major facility damage. the facility to verify the existence of properly installed battery-operated or electric ement but not specifically. tand-alone smoke detectors installed in the facility. NOT REVIEWED: NOT APPLICABLE:
8500.2 IA Control: Vulnerability Vulnerability Discussion Checks 8 Default Finding Details OPE	Inadequate fire detection Inadequate fire detection and alerting can describe a second	References: Department of Defense (DOD) Instruction 8500.2, Information Assurance (IA) Implementation cause injury and death to personnel and major facility damage. the facility to verify the existence of properly installed battery-operated or electric ement but not specifically.

8500.2 PEFI-1 V0008484 CAT II

Inadequate fire safety program

500.2 IA Control:	PEFI-1	References:	Department of Defense Ins NIST Special Publication 8	truction 8500.2 (DODI 8500.2) , 00-53 (SP 800-53)	
Vulnerability	Inadequate fire safety program				
	Lack of a fire safety inspection a possible injury/loss of life for em			s possible can lead to possible fires, causing	g
Checks					
8	3500.2 PEFI-1				
	Interview the local security ma PDIs ISS-011 and ISS-012 tog		rmine compliance.		
	Computing facilities do not unde Fire safety deficiencies discover			as soon as possible.	
OPE	EN: NOT A FIN	DING: NOT	REVIEWED:	NOT APPLICABLE:	
Fixes					
{	8500.2 PEFI-1 Arrange for periodic Fire Mars Ensure all deficiencies are cor commander/director detailing steps taken to correc	rected as soon as possible. A		to fire department and	
Notes:		. 40.10.10.10.10.1			
500.2 PEFS	S-1 V0008485 CA	T II Inadequa	ate fire suppressi	on	
500.2 PEFS		•	ate fire suppressi Department of Defense (D Information Assurance (IA)	DD) Instruction 8500.2,	
500.2 IA Control:		•	Department of Defense (D	DD) Instruction 8500.2,	
500.2 IA Control:	PEFS-1 Inadequate fire suppression Failure to provide adequate fire	References:	Department of Defense (D Information Assurance (IA)	DD) Instruction 8500.2,	
500.2 IA Control: Vulnerability Vulnerability	PEFS-1 Inadequate fire suppression Failure to provide adequate fire	References:	Department of Defense (D Information Assurance (IA)	DD) Instruction 8500.2, Implementation	
Vulnerability Vulnerability Discussion Checks	PEFS-1 Inadequate fire suppression Failure to provide adequate fire personnel.	References:	Department of Defense (D Information Assurance (IA) ald result in the loss of or da	DD) Instruction 8500.2, Implementation mage to data, equipment, facilities, or	
Vulnerability Vulnerability Discussion Checks	PEFS-1 Inadequate fire suppression Failure to provide adequate fire personnel.	References: detection and suppression countries sher is available within 50 feet es (Class C in the form of cart	Department of Defense (D Information Assurance (IA) ald result in the loss of or da	DD) Instruction 8500.2, Implementation mage to data, equipment, facilities, or ect area. Ensure fire extinguisher is	
Vulnerability Vulnerability Discussion Checks	PEFS-1 Inadequate fire suppression Failure to provide adequate fire personnel. 3500.2 PEFS-1 Ask if a hand-held fire extingui minimally rated for electrical fire	References: detection and suppression countries sher is available within 50 feet es (Class C in the form of cart ement.	Department of Defense (D Information Assurance (IA) ald result in the loss of or da of equipment. Visually inspon dioxide, dry chemical or	DD) Instruction 8500.2, Implementation mage to data, equipment, facilities, or ect area. Ensure fire extinguisher is halon type agents).	
Vulnerability Vulnerability Vulnerability Discussion Checks 8 Default Finding Details	PEFS-1 Inadequate fire suppression Failure to provide adequate fire personnel. 8500.2 PEFS-1 Ask if a hand-held fire extingui minimally rated for electrical fir PDI ISS-010 covers this requir	References: detection and suppression counts sher is available within 50 feet es (Class C in the form of cart ement. ked fire hoses are not available	Department of Defense (D Information Assurance (IA) ald result in the loss of or da of equipment. Visually inspon dioxide, dry chemical or	DD) Instruction 8500.2, Implementation mage to data, equipment, facilities, or ect area. Ensure fire extinguisher is halon type agents).	
Vulnerability Vulnerability Vulnerability Discussion Checks 8 Default Finding Details OPE	PEFS-1 Inadequate fire suppression Failure to provide adequate fire personnel. 8500.2 PEFS-1 Ask if a hand-held fire extingui minimally rated for electrical fir PDI ISS-010 covers this requir Handheld fire extinguishers or fix EN: NOT A FIN	References: detection and suppression counts sher is available within 50 feet es (Class C in the form of cart ement. ked fire hoses are not available	Department of Defense (D Information Assurance (IA) ald result in the loss of or da of equipment. Visually inspon dioxide, dry chemical or e should an alarm be sound	DD) Instruction 8500.2, Implementation mage to data, equipment, facilities, or ect area. Ensure fire extinguisher is halon type agents).	
Vulnerability Vulnerability Vulnerability Discussion Checks 8 Default Finding Details OPE	PEFS-1 Inadequate fire suppression Failure to provide adequate fire personnel. B500.2 PEFS-1 Ask if a hand-held fire extingui minimally rated for electrical fir PDI ISS-010 covers this requir Handheld fire extinguishers or fix EN: NOT A FIN	References: detection and suppression counts sher is available within 50 feet es (Class C in the form of cart ement. xed fire hoses are not available NOT	Department of Defense (D Information Assurance (IA) ald result in the loss of or da of equipment. Visually inspon dioxide, dry chemical or e should an alarm be sound	DD) Instruction 8500.2, Implementation mage to data, equipment, facilities, or ect area. Ensure fire extinguisher is halon type agents).	
Vulnerability Vulnerability Vulnerability Discussion Checks 8 Default Finding Details OPE	PEFS-1 Inadequate fire suppression Failure to provide adequate fire personnel. 8500.2 PEFS-1 Ask if a hand-held fire extingui minimally rated for electrical fir PDI ISS-010 covers this requir Handheld fire extinguishers or fix EN: NOT A FIN	References: detection and suppression counts sher is available within 50 feet es (Class C in the form of cart ement. xed fire hoses are not available NOT	Department of Defense (D Information Assurance (IA) ald result in the loss of or da of equipment. Visually inspon dioxide, dry chemical or e should an alarm be sound	DD) Instruction 8500.2, Implementation mage to data, equipment, facilities, or ect area. Ensure fire extinguisher is halon type agents).	

8500.2 PEHC-1 V0008487 CAT II

Inadequate Humidity Controls

3500.2 IA Control:	PEHC-1	References:	Department of Defense (D Information Assurance (IA)	
Vulnerability	Inadequate Humidity Controls			
Vulnerability Discussion	Fluctuations in humidity can be po	tentially harmful to personne	el or equipment causing the	loss of services or productivity.
Checks	·			
8	8500.2 PEHC-1			
	Interview the Security Manager a PDI ISS-019 covers this requirer		mpliance.	
	MAC III areas do not have humidi systems can be made manually	ity controls installed that pro	vide an alarm in case of fluc	ctuations so adjustments to humidity control
ОРІ	EN: NOT A FIND	OING: NOT	REVIEWED:	NOT APPLICABLE:
Fixes	3			
	8500.2 PEHC-1	inad by MAC layed		
Notes:	Install humidity controls as requi	ired by MAC level.		
140103.	•			
500.2 PEM	S-1 V0008489 CAT	ΓΙ Inadequa	ate master power	shut off capability
3500.2 IA Control:	PEMS-1	References:	Department of Defense Ins	struction 8500.2 (DODI 8500.2)
Vulnerability	Inadequate master power shut off	capability		
•	A lack of an emergency shut-off so n injury to personnel during an emer	•	ch for electricity to IT equip	ment could cause damage to the equipment or
Checks	;			
8	8500.2 PEMS-1			
	Interview the Security Manager a switch.	and visit the facility to verify t	he existence, protection an	d marking of the emergency power-off
	PDI ISS-013 covers this requirer	ment.		
	A master power switch or emerger IT area. The emergency power switch is not the emergency power switch in the emergency power switch or emergency in the emergency power switch or emergency in the emergency power switch or emergency in the emergency power switch is not the emergency power switch in the emergency power switch is not the emergency power switch in the emergency power switch is not the emergency power switch in the emergency power switch is not the emergency power switch in the emergency power switch is not the emergency power switch in the emergency power switch is not the emergency power switch in the emergency power switch is not the emergency power switch in the emergency power switch is not the emergency power switch in the emergency power switch is not the emergency power switch in the	ot properly labeled		it is not located near the main entrance of the the power.
ОРІ	EN: NOT A FIND	OING: NOT	REVIEWED:	NOT APPLICABLE:
Fixes				
	8500.2 PEMS-1 Properly install, mark and protect	et a master nower switch or	emergency cut off switch wi	thin the IT area
Notes:		or a master power switch or t	anergency cut-on Switch Wi	umi uie II died.
110163.				
				II.

8500.2 PESL-1 V0008493 CAT II

Automatic screen-lock is not functional

8500.2 IA Control: PESL-1 References: Department of Defense Instruction 8500.2 (DODI 8500.2). NIST Special Publication 800-53 (SP 800-53) Vulnerability Automatic screen-lock is not functional Vulnerability The ability to time activity for accounts could prevent malicious intrusion into, and possible modification of, accounts if a user leaves his **Discussion** desk for a period of time. Checks 8500.2 PESL-1 Determine compliance by reviewing OS, Application, and Network SRR results. The following PDIs apply to Screen Locks: NET0650, NET0685, NPR410, WIR0230, Application 2.3.2, NT 3.006, UNIX L032, UNIX L106, UNIX L216, UNIX L104, UNIX G605, UNIX AIX06, UNIX W27, Application 2.3.1, NT 3.006, NT 3.021, NT 3.026, NT5.006, NT 5.102, ; These are not all inclusive (Windows checks are missing) The following PDIs apply to Session Time-Outs: DO0286, DataBase GENINIT, DSN18.12, OS/390 ZMQS0020, ZMQS0020, ZWMQ0020, TGS-TSOL-030, AIX06, IIS3500, WEB2060, WN010; These are not all inclusive as some systems do not have a PDI that check for this control. Manually test this requirement on a sampling of workstations. **Default Finding** The following issues were noted: Details Screen locks are not functional on all workstations. The screen lock does not automatically set after 15 minutes of inactivity. The screen lock cannot be manually acticated. The screen lock does not put an unclassified pattern on the entire screen. Deactivation of the screen lock does not require a unique authenicator. NOT REVIEWED: **OPEN: NOT APPLICABLE:** NOT A FINDING: **Fixes** 8500.2 PESL-1 Ensure all terminals will log off automatically if left unattended for over 15 minutes. Exceptions may be made for functions that require an extended time to complete. See individual technology PDIs for details. Notes:

8500.2 PETC-1 V0008496 CAT III

Inadequate Temperature Controls

	PETC-1	Г		Department of Defense (I Information Assurance (IA	
Vulnerability	Inadequate Temperature	Controls			
Vulnerability Discussion		trols can lead to fluctuatio	ns in temper	ature which could be pote	ntially harmful to personnel or equipment
Checks	;				
	8500.2 PETC-1				
		s potentially harmful to pe		ne if temperature controls quipment operation are de	are installed that provide an alarm when tected.
Default Finding Details	Temperature controls ha	ve not been installed that	provide an a	larm when temperature flu	ctuations are detected.
OP	EN: NOT A	A FINDING:	NOT I	REVIEWED:	NOT APPLICABLE:
Fixes					
	8500.2 PETC-1	atrole that provide an alarr	m when temn	erature fluctuations noten	tially harmful to personnel or equipment
				stems may be made manu	
Notes	:				
SEAN 2 DETI	V0000406	8 CAT III II	nadegua	te emplovee tra	ning in the operation of e
DOUU.Z PETI	N=1 VUUU0490				9
		F	-	Department of Defense In	struction 8500.2 (DODI 8500.2)
3500.2 PETI 3500.2 IA Control: Vulnerability			References:		struction 8500.2 (DODI 8500.2)
3500.2 IA Control: Vulnerability Vulnerability	PETN-1 nadequate employee tra	nining in the operation of exceived training on the env	References: environmenta vironmental c	I controls.	e to respond to a fluctuation of environmental
3500.2 IA Control: Vulnerability Vulnerability	PETN-1 Inadequate employee tra If employees have not re conditions which could re	nining in the operation of exceived training on the env	References: environmenta vironmental c	I controls.	
Vulnerability Vulnerability Vulnerability Discussion Checks	PETN-1 Inadequate employee tra If employees have not re conditions which could re	nining in the operation of exceived training on the env	References: environmenta vironmental c	I controls.	
Vulnerability Vulnerability Vulnerability Discussion Checks	PETN-1 Inadequate employee tra If employees have not re conditions which could re statements 8500.2 PETN-1 Interview the Security n	nining in the operation of e sceived training on the envesult in harm to the IS Equ	References: environmental cuipment. election of em	I controls. ontrols they will not be ab	
Vulnerability Vulnerability Discussion Checks	PETN-1 Inadequate employee tra If employees have not re conditions which could re 8500.2 PETN-1 Interview the Security n (minimum of annual) tra	nining in the operation of exceived training on the envesult in harm to the IS Equation of the interest and a random seatining in the operation of the interest of the interes	References: environmental cuipment. election of emenyironmenta	I controls. ontrols they will not be ab ployees to determine if er al controls.	e to respond to a fluctuation of environmental
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Inadequate Voltage Control 8500.2 PEVR-1 V0008500 CAT I 8500.2 IA Control: PEVR-1 References: Department of Defense Instruction 8500.2 (DODI 8500.2) Vulnerability Inadequate Voltage Control Vulnerability Failure to use automatic voltage control can result in damage to the IT equipment creating a service outage. Discussion Checks 8500.2 PEVR-1 Interview the security manager and tour the facility to determine if automatic voltage control is implemented for IT assets. Default Finding The use of automatic voltage control (power filtering) has not been implemented for IT assets Details **NOT A FINDING:** NOT REVIEWED: **NOT APPLICABLE: Fixes** 8500.2 PEVR-1 Ensure an automatic voltage control is being utilized for all IT assets. Notes:

8500.2 PRMP-1 V0008503 CAT I

Inadequate Control of Maintenance Personnel

OJUU.Z FIXIVII	F-1 V0000505 CATT	inadequate control of maintenance i ersonner				
8500.2 IA Control:	PRMP-1	References: Department of Defense Instruction 8500.2 (DODI 8500.2)				
Vulnerability	Inadequate Control of Maintenance Personnel					
Vulnerability Discussion	bility Failure to adequately clear and control Maintenance Personnel can lead to theft or compromise of information or loss of IS casion					
Checks						
8	3500.2 PRMP-1					
	Interview the traditional reviewer to determine Verify that:	·				
	Maintenance is performed only by authorized a list of authorized maintenance personnel is	·				
	All maintenance personnel are cleared to the	highest level of information.				
	Cleared maintenance personnel are escorted	I as appropriate.				
	If uncleared or lower-cleared personnel perfotechnically qualified escort.	orm maintenance on the system they are they escorted by a fully cleared and				
	All the maintenance activities performed by ulog as determined by the IAM.	incleared or lower-cleared personnel are monitored and recorded in a maintenance				
	All maintenance personnel comply with U.S.	citizenship requirements.				
	qualified escort	odocumented and maintained highest level of information opriate rm maintenance on the system they are they escorted by a fully cleared and technically incleared or lower-cleared personnel are monitored and recorded in a maintenance log as				
OPE	EN: NOT A FINDING:	NOT REVIEWED: NOT APPLICABLE:				
Fixes	_					
8	8500.2 PRMP-1					
	Implement a maintenance control SOP and p Maintenance is performed only by authorized a list of authorized maintenance personnel is	d personnel.				
	All maintenance personnel are cleared to the	highest level of information.				
	Maintenance personnel are escorted as app	ropriate				
	If uncleared or lower-cleared personnel performs technically qualified escort.	orm maintenance on the system they are they escorted by a fully cleared and				
	All the maintenance activities performed by ulog as determined by the IAM.	uncleared or lower-cleared personnel are monitored and recorded in a maintenance				
	All maintenance personnel comply with U.S.	citizenship requirements.				
Notes:						

8500.2 PRNK-1 V0008505 CAT I Improper Access granted 8500.2 IA Control: PRNK-1 References: Department of Defense Instruction 8500.2 (DODI 8500.2) Vulnerability Improper Access granted Vulnerability Failure to verify clearance, need-to-know, and execute a non-disclosure agreement before granting access to classified or sensitive **Discussion** material can result in compromise or theft of information. Checks 8500.2 PRNK-1 Interview the Security Manager to determine compliance. Verify that appropriate security clearance is required for access. Verify that access is granted based on need to know (assigned duties). Ask to review the user registration form being used to document users. If not a DD Form 2875, ensure their form has the same functionality. IS-060 generally covers this requirement. **Default Finding** The following issues were noted: Details Personnel who are granted access to information do not have a valid Need-to-Know. Personnel who are granted access to information do not have proper security clearance. Personnel who are granted access to information have not executed a Non-Disclosure Agreement. User registration forms are not maintained/required. OPEN: NOT A FINDING: NOT REVIEWED: **NOT APPLICABLE: Fixes** 8500.2 PRNK-1 Prior to receiving access to IS information it must be determined that an individual has met the following requirements: a. The person has the appropriate clearance and access eligibility. b. The person has signed an approved non-disclosure agreement. c. The person has a need-to-know the information. Initiate a System Access Control Form for each person who requests logon access to a computer system. The IAO will retain all forms for each person granted access to their systems. Notes:

V0008506 CAT I

8500.2 PRRB-1

8500.2 IA Control: PRRB-1 References: Department of Defense Instruction 8500.2 (DODI 8500.2) Vulnerability User Agreements are not in place. Vulnerability Discussion Checks 8500.2 PRRB-1 Interview the security Manager to determine compliance. Have the IS User rules been created and published? Do the IS User rules include consequences of inconsistent behavior or non-compliance? Is signed acknowledgement of the IS User rules a condition for access to the system? Compliance usually takes the form of a user agreement. **Default Finding** FINDINGS RELATED TO THE REQUIREMENTS OF PRRB-1: Details IS User rules have not been created and published. IS User rules do not include consequences of inconsistent behavior or non-compliance. Signed acknowledgement of the user rules is not a condition for access to the system. **NOT A FINDING: NOT REVIEWED: NOT APPLICABLE Fixes** 8500.2 PRRB-1 Establish and publish a set of rules that describe the IA operations of the DoD information system and clearly delineate IA responsibilities and expected behavior of all user personnel. Ensure the rules include the consequences of inconsistent behavior or noncompliance and that signed acknowledgement of the rules is a condition of access. Detailed requirements of such formal user agreements are found in CJCSM 6510-01. Notes:

User Agreements are not in place.

8500.2 VIIR-1 V0008508 CAT II

Insufficient Incident Response Planning

Vulnerability Without a plan, training and assistance, users will not know what action(s) need to be taken in the event of system attack or Discussion system/application compromise. This could result in additional compromise/theft or degraded system capability. Checks 8500.2 VIIR-1 Venify that the organization provides or uses an incident support resource that offers advice and assistance to users of the information system for the handling and reporting of security incidents. The support resource must be an integral part of the organization's incident response capability. This capability is addressed by the DOD Computer Network Defense Service Provider (CNDSP) Program but participation at the organization level must be verified. Does the incident response plan exist? Does the plan include the following items: CND Service Provider is identified? Reportable incidents are defined? Incident response standard operating procedures to include INFOCON are outlined? A provision for user training and annual refresher training? Establishment of an incident response team? Is the plan exercised at least annually? ISS-050 only partially covers this requirement Default Finding Details The following vulnerabilities related to incident response were noted: The incident Response Plan does not include the following items: Identity of the CND Service Provide: Definition of reportable incidents. Outline of incident response standard operating procedures to include INFOCON Provision for user training and annual refresher training Establishment of an incident response team The incident Response Plan is not exercised annually. OPEN: NOT A FINDING: NOT REVIEWED: NOT APPLICABLE; Fixes 8500.2 VIIR-1 Fully Participate in the DOD Computer Network Defense Service Provider (CNDSP) Program as described in DoD Instruction O-8530.2 Or: Develop and Incident response plan annually. Provide on incident response plan annually. Provide on incident response by an integral part of the organization/Es incident response capab	8500.2 IA Control:	VIIR-1	References: Department of Defense Instruction 8500.2 (DODI 8500.2)		
Checks	Vulnerability	Insufficient Incident Response Planning			
Verify that the organization provides or uses an incident support resource that offers advice and assistance to users of the information system for the handling and reporting of security incidents. The support resource must be an integral part of the organization's incident response capability. This capability is addressed by the DOD Computer Network Defense Service Provider (CNDSP) Program but participation at the organization level must be verified. Does the plan include the following items: CND Service Provider is identified? Reportable incidents are defined? Incident response standard operating procedures to include INFOCON are outlined? A provision for user training and annual refresher training? Establishment of an incident response team? Is the plan exercised at least annually? ISS-050 only partially covers this requirement Default Finding The following vulnerabilities related to incident response were noted: Default Finding The Incident Response Plan does not incident the following items: Identity of the CND Service Provide. Definition of reportable incidents. Outline of incident response standard operating procedures to include INFOCON Provision for user training and annual refresher training Establishment of an incident response team The Incident Response Plan is not exercised annually. OPEN: NOT A FINDING: NOT REVIEWED: NOT APPLICABLE: Fixes ### S500.2 VIIR-1 Fully Participate in the DOD Computer Network Defense Service Provider (CNDSP) Program as described in DoD Instruction O-8530.2 Or: Develop and Incident response plan annually. Provide for user incident response training. Provide for user incident response plan annually. Provide for user incident response training. Provide for user incident response plan in annually. Provide for orser incident response training. Provide an incident support resource that offers advice and assistance to users for the handling and reporting of security incidents.					
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V0008510 CAT I 8500.2 VIVM-1

Vulnerability Management Program is Inadequate

References: Department of Defense Instruction 8500.2 (DODI 8500.2) 8500.2 IA Control: VIVM-1

Vulnerability Vulnerability Management Program is Inadequate

Vulnerability Exploiting well-known vulnerabilities is a proven and effective technique followed by malicious users. To combat this, the DOD IAVM Discussion program formally announces and tracks the implementation of security specific patches, service releases, hot fixes and system upgrades directed by CINC STRAT through the JTD CNO. Compliance with IAVMs is required unless otherwise directed by system PM. If IAVMs are not complied with, not only is this a violation of DOD policy and procedures, but the site is exposing its most critical systems to attack based upon the exploitation of well-known vulnerabilities. In order to fully comply, each activity must have an active program to identify and fix system vulnerabilities.

Checks

8500.2 VIVM-1

This is a policy / process check, not a patching or IAVA check.

Interview the IAM/O to verify that a vulnerability management policy and an active program exists.

Spot check SRR results and make a determination of the effectiveness of their overall vulnerability management program. Verify that vulnerability assessment tools are used locally (e.g., Retina, ISS Scanner) and that the operators of the tools have

trained to properly conduct internal and external assessments. (See ECMT for additional direction in this area).

Obtain answers to the following questions:

Does a vulnerability management process exist?

Does the vulnerability management process include the systematic identification and mitigation of software and hardware vulnerabilities?

Are mitigation efforts independently validated?

Does independent validation include inspections?

Does independent validation include the use of automated assessment or state management tools?

Have vulnerability assessment tools been acquired?

Have personnel been trained on the assessment tools?

Have procedures for internal and external assessments been developed?

Are internal and external assessments conducted?

Default Finding The following issues were noted:

Details Vulnerability management process does not exist.

Vulnerability management process is ineffective as noted by a high incident of open vulnerabilities.

The vulnerability management process does not include the systematic identification and mitigation of software and hardware vulnerabilities.

Vulnerability mitigation efforts are not independently validated.

Independent validation does not include inspection

Independent validation does not include the use of automated assessment or state management tools

Vulnerability assessment tools have not been acquired

Proced	ures for internal and external assessments ternal and external assessments are not co	s have not been developed	
OPEN:	NOT A FINDING:	NOT REVIEWED:	NOT APPLICABLE:
Fixes			
8500.2 V	′IVM-1		
softw vulne Acqu exter	ement a comprehensive vulnerability mana care and hardware vulnerabilities. Independenability assessment or state management ire vulnerability assessment tools, train penal assessments. Give preference to tools ng convention and use the Open Vulnerab	dently validate vulnerability mitigation the tools. It is sonnel in their use, develop procedures that express vulnerabilities in the Comr	rough inspection and automated s, and conduct regular internal and mon Vulnerabilities and Exposures (CVE)
Notes:			