

CNSSI 4013 Entry Level Mapping to JSU Courses

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[CS 201](#) [CS 232](#) [CS 307](#) [CS 310](#) [CS 450](#) [CS 462](#) [CS 470](#)

FUNCTION 1 - SECURE USE

A. General Security Policy

1. Accountability

- *E - Define organizational accountability policies
- E - Outline accountability process/program

III,IV
III,IV

2. Accreditation

- *E - Define accreditation

VI.e

3. Architecture

- *E - Define system security architecture
- E - Identify appropriate security architecture for use in assigned IS
- E - Address system security architecture study

XV, XVI
XV, XVI
XV, XVI

4. Assessment

- *E - Define assessments for use during certification of information systems

VII

5. Assurance

- *E - Define assurance

I

I

6. Availability/Integrity/Confidentiality/Authentication/Non-repudiation

- *E - Define concepts of availability, integrity, confidentiality, authentication, and non-repudiation

I

I

7. Certification

- *E - Define certification policies as related to organizational requirements

VI.e

8. NSTISSP 11, National Policy Governing the Acquisition of Information Assurance (IA) and IA Enabled Information Technology (IT) Products

- *E - Identify NSTISSP 11 (Common Criteria) policies

XVIII

9. Configuration Control

- *E - Define configuration control (management)

II

10. Custodian

- *E - Define resource custodian
- E - Identify information resource custodian

X.d
X.d

11. Defense in Depth

- *E - Define defense in depth
- E - Give examples of defense in depth methods
- E - Give examples of defense in depth policy

IX
IX
IX

12. Document

- *E - Identify DoDD 8500.1 policies (or appropriate civil agency guidance)

IV

III,IV,V

13. Domains

- *E - Define security domains as applicable to organizational policies
- E - Describe security domains as applicable to organizational policies

IV
IV

III,IV,V

14. E-Mail

- *E - Define organizational e-mail privacy policies

I.g

XI

V

15. Wireless Security

- *E - Identify organizational wireless security policy

IX

XIV

16. EMSEC/TEMPEST (Emanations Security/Short name referring to the investigation, study, and control of compromising emanations from IS equipment)

- *E - Define EMSEC/TEMPEST security policies
- E - Describe EMSEC/TEMPEST control policies
- E - Identify EMSEC/TEMPEST control policies
- E - Identify EMSEC/TEMPEST security policies

III.h
III.h
III.h
III.h

18. FAX

- *E - Describe relevant FAX security policies

XV.f

19. Generally Accepted Security Principles

- *E - Define generally accepted systems security principles

I,II

I, X, XV

20. Goals/Mission/Objectives

- *E - Define goals, mission, and objectives of the organization

II

21. Incident Response

- *E - Describe incident response policies

VII, VIII

22. Information Assurance

- *E - Define organizational Information Assurance (IA) policies

IV

III

23. Information Operations [DOD Organizations Only]

- *E - Define information operations
- E - Describe information operations
- E - Support information operations

24. Internet Security

- *E - Describe organizational policies relevant to Internet security

XVII

25. Law Enforcement

- *E - Identify law enforcement interfaces
- E - Describe law enforcement interfaces

III, XI
III, XI

26. Marking

- *E - Define policies relating to marking of classified, unclassified and sensitive information

IV,XIII

IV,V,VI

27. Monitoring

- *E - Comply with legal aspects of monitoring
- E - Ensure legal aspects of monitoring are enforced

XI
XI

V XII
V XII

28. Multi-Level Security

- *E - Describe multiple secure levels
- E - Identify fundamental concepts of multilevel security
- E - Define fundamental concepts of multilevel security
- E - Describe fundamental concepts of multilevel security

IX

II, X, XI
II, X, XI
II, X, XI
II, X, XI

29. Network

- *E - Describe computer network defense
- E - Describe policies relevant to network security

IV,IX
IV,IX

XIV
XIV

- E - Describe wide area network (WAN) security policies

IV,IX

XIV

30. Operating System

- *E - Define functional requirements for operating system integrity

XV,XVI

32. Ownership								
*E - Define information ownership of data held under his/her cognizance					II			I
E - Identify information ownership of data held under his/her cognizance					II			I
E - Identify information resource owner					II			I
33. Physical Security								
*E - Define physical security					I, II			XIV
34. Records Management								
*E - Define records management					XI			XI
E - Describe organizational security policies relative to electronic records management					XI			XI
37. Security Tools								
*E - Define automated security tools					IV.g			XII-XIV
38. Sensitivity								
*E - Define information sensitivity								III-VI
E - Describe information sensitivity in relation to organizational policies								III-VI
E - Explain information sensitivity								III-VI
39. Separation of Duties								
*E - Define separation of duties					X			X
E - Explain separation of duties					X			X
E - Define organizational policies relating to separation of duties					X			X
40. System Security								
*E - Identify systems security standards policies					IV			XV
41. Information Technology Security Evaluation Criteria (ITSEC)								
*E - Identify Information Security Technology Security Evaluation Criteria (ITSEC) policies								XVIII.b
42. Testing								
*E - Define testing policies								XVI.e
43. Validation/Verification								
*E - Define validation policies								XVI.e
E - Identify verification and validation process policies								XVI.e
44. Workstation								
*E - Describe workstation security policies		I.g						XV
45. Zone								
*E - Define zone of control								XV.g
E - Define zoning								XV.g
E - Describe zoning and zone of control policies								XV.g
B. General Procedures								
1. Network Software								
*E - Define transport control protocol/internet protocol (TCP/IP)					IX	XVII		XIV
E - Define transport layer security (i.e., secure socket layer [SSL])					IX	XVII		XIV
E - Define tunneling protocol (PPTP), layer 2 tunneling protocol (l2tp)					IX	XVII		XIV
E - Define virtual private network (VPN) (i.e., SSH2, SOCKS)					IX	XVII		XIV
E - Describe secure e-mail (i.e., PGP, S/MIME)					IX	XVII		XIV
E - Describe secure systems operations procedures					IX	XVII		XIV
E - Describe transport control protocol/internet protocol (TCP/IP)					IX	XVII		XIV
E - Describe transport layer security (i.e., secure socket layer [SSL])					IX	XVII		XIV
E - Describe tunneling protocol (PPTP), layer 2 tunneling protocol (l2tp)					IX	XVII		XIV
E - Describe virtual private network (VPN) (i.e., SSH2, SOCKS)					IX	XVII		XIV
2. Aggregation								
*E - Define aggregation					IX			XIV
E - Describe aggregation					IX			XIV
3. Application Vulnerabilities								
*E - Describe application and system vulnerabilities and threats -- web-based (i.e., XML, SAML)								XIII
E - Describe application and system vulnerabilities and threats -- client-based (i.e., applets, active-X)								XIII
E - Describe application and system vulnerabilities and threats -- server-based								XIII
E - Describe application and system vulnerabilities and threats -- mainframe								XIII
E - Describe application and system vulnerabilities and threats -- malicious code (i.e., Trojan horses, trap doors, viruses, worms)		I.g						XIII
4. Architecture								
*E - Address system security architecture study								XVI
5. Assessment								
*E - Prepare assessments for use during certification of information systems					VI.e			XVIII
7. Organizational/Agency Systems Emergency Response Team								
*E - Identify organizational/agency systems emergency response team					II, III			
E - Report security issues to organizational/agency systems emergency response team					II, III			
8. Database								
*E - Define data mining								XV.h
E - Define databases and data warehousing vulnerabilities, threats and protections								XV.h
E - Describe data mining								XV.h
E - Describe databases and data warehousing vulnerabilities, threats and protections								XV.h
9. EMSEC/TEMPEST								
*E - Define EMSEC/TEMPEST security procedures						III.h		
E - Identify certified EMSEC/TEMPEST technical authority (CTTA)						III.h		
E - Identify EMSEC/TEMPEST security procedures						III.h		
10. End Systems								
*E - Define end systems (i.e., workstations, notebooks, PDA [personal digital assistant], smartphones, etc.)		I				I		
E - Describe end systems (i.e., workstations, notebooks, PDA, smartphones, etc.)		I				I		
11. Facility Management								
*E - Practice facility management procedures					II-IV			
12. FAX								
*E - Describe FAX security policies/procedures								XV.f
E - Practice FAX security policies/procedures								XV.f
13. Housekeeping								
*E - Define housekeeping procedures					IV-V			
E - Describe housekeeping procedures					IV-V			
E - Perform housekeeping procedures					IV-V			

	E - Describe transport control protocol/ internet protocol (TCP/IP)				I	XIV.d
	E - Describe transport layer security (i.e., secure socket layer [SSL])					XIV.d
	27. Rainbow Series					
	*E - Describe purpose and contents of National Computer Security Center TG-005, Trusted Network Interpretation (TNI) or Red Book as examples					XVIII
	28. NSTISSAM COMPUSEC/1-99					
	*E - Describe purpose and contents of NSTISSAM COMPUSEC/1-99, Advisory Memorandum on the Transition from the Trusted Computer System Evaluation Criteria to the International Common Criteria for Information Technology Security Evaluation					XVIII
	29. Security Procedures					
	*E - Define organizational security procedures				II-III	
	E - Assist in organizational security procedures				II-III	
	30. Security tools					
	*E - Define automated security tools				IV.g	
	E - Describe automated security tools				IV.g	
	31. Vulnerability and Threat					
	*E - Address application and system vulnerabilities and threats - mainframe				VII	XIII
	E - Address application and system vulnerabilities and threats -- web-based (i.e., XML, SAML)				VII	XIII
	E - Address application and system vulnerabilities and threats -- client-based (i.e., applets, active-X)				VII	XIII
	E - Address application and system vulnerabilities and threats -- server-based				VII	XIII
	E - Address application and system vulnerabilities and threats -- mainframe				VII	XIII
	E - Define application and system vulnerabilities and threats -- web-based (i.e., XML, SAML)				VII	XIII
	E - Define application and system vulnerabilities and threats -- client-based (i.e., applets, active-X)				VII	XIII
	E - Define application and system vulnerabilities and threats -- server-based				VII	XIII
	E - Define application and system vulnerabilities and threats -- mainframe				VII	XIII
	E - Define application and system vulnerabilities and threats -- malicious code (i.e., Trojan Horses, trap doors, viruses, worms)				VII	XIII
	E - Describe application and system vulnerabilities and threats -- web-based (i.e., XML, SAML)				VII	XIII
	E - Describe application and system vulnerabilities and threats -- client-based (i.e., applets, active-X)				VII	XIII
	E - Describe application and system vulnerabilities and threats -- server-based				VII	XIII
	E - Describe application and system vulnerabilities and threats -- mainframe				VII	XIII
	E - Describe application and system vulnerabilities and threats -- malicious code (i.e., Trojan Horses, trap doors, viruses, worms)				VII	XIII
	C. General Awareness, Training and Education (AT&E)					
	1. Awareness, Training and Education (AT&E)					
	*E - Describe attack actions as training issues				V.d	
	E - Identify sources of AT&E materials				V.d	
	D. General Countermeasures and Safeguards					
	2. AT&E					
	*E - Recognize awareness, training, and education (AT&E) as a countermeasure				V.d	
	3. Backup					
	*E - Define backup critical information				III,IX,XI	I,XV
	4. COMSEC					
	*E - Identify national COMSEC manager (Custodian)				X	
	E - Identify organizational COMSEC manager (Custodian)				X	
	E - List national COMSEC policies				XI	XVIII
	E - List national COMSEC procedures				XI	XVIII
	5. Countermeasures					
	*E - Describe what is meant by countermeasures				VIII	
	6. Digest					
	*E - Define message digests (i.e., MD5, SHA, HMAC)				IX	VII
	7. Digital Signature					
	*E - Define digital signatures				IX	VII
	8. Due Care					
	*E - Define due care (due diligence)				V	
	9. E-Mail					
	*E - Describe e-mail privacy countermeasures				IV-V	
	E - Describe e-mail privacy safeguards				IV-V	
	10. EMSEC/TEMPEST					
	*E - Define EMSEC/TEMPEST security countermeasures					III.h
	E - Define EMSEC/TEMPEST security safeguards					III.h
	11. Facilities					
	*E - Define facility support systems (i.e., fire protection and HVAC)				III-V	
	12. Hardware					
	*E - Define computing and telecommunications hardware/software				I.f	
	13. Internet					
	*E - Define internet security				I.g	
	14. Key					
	*E - Define key creation/distribution					VIII
	E - Define key recovery					VIII
	E - Define key storage/destruction					VIII
	E - Define PKI (Public Key Infrastructure) requirements					VIII
	E - Submit requirements for key management within the system					VIII
	15. Legal					
	*E - Define legal requirements				IV,XI	X
	16. Marking					
	*E - Define marking, handling, storing, and destroying of classified, unclassified, and sensitive information & media				IV,XI	
	17. Media					
	*E - Define magnetic media degaussing				IV,XI	
	E - Define marking, handling, storing, and destroying of sensitive information & media				IV,XI	
	E - Define media (i.e., tape, paper or disks) management				IV,XI	
	E - Define secure data deletion for media reuse				IV,XI	
	18. Misuse					
	*E - Define resource misuse prevention				IV,XI	

	19. Non-Repudiation								
	*E - Define digital non-repudiation					IV,XI			IX
	20. Operations								
	*E - Describe information operations					I			I
	21. Privacy								
	*E - Define privacy and protection					I			IX
	22. Privilege								
	*E - Define need-to-know/least privilege								X
	E - Define operator/administrator privileges								X
	23. Record								
	*E - Define record retention					IV,XI			
	24. Safeguards								
	*E - Define safeguards used to prevent software piracy					IV,XI			
	E - Describe what is meant by safeguards					IV,XI			
	25. Separation of Duties								
	*E - Describe separation of duties as a countermeasure								X
	E - Explain separation of duties as a countermeasure								X
	26. Software Countermeasure								
	*E - Define anti-virus systems	I.g				VIII			XIII
	E - Define countermeasures used to prevent software piracy							IV, IX	
	27. Testing								
	*E - Identify automated tools for security testing					IV			
	28. Tools								
	*E - Describe automated tools for security compliance					IV			XIV
	E - Describe automated tools for security test					IV			XIV
	E. Administrative Countermeasures/Safeguards								
	1. Alarm								
	*E - Describe alarms, signals and reports								XIV.e
	E - Identify alarms, signals and reports								XIV.e
	E - Implement alarms, signals and reports								XIV.e
	2. Assessment								
	*E - Assist in preparing assessments					VI.e			
	E - Prepare assessments for use during certification of information systems					VI.e			
	3. System Test and Evaluation (ST&E)								
	*E - Discuss System Test and Evaluation (ST&E) Plan and Procedures								XVIII
	E - Recommend revisions to System Test and Evaluation (ST&E) Plan and Procedures								XVIII
	4. Audit								
	*E - Identify audit collection requirements								XII
	5. Certification								
	*E - Discuss certification tools					VI.e			
	E - Identify certification tools					VI.e			
	E - Recommend use of specific certification tools					VI.e			
	6. Control								
	*E - Define application development control								XVI
	E - Define system software controls								XVI
	E - Differentiate security-related changes from non-security-related changes								XVI
	E - Identify storage media protection and control								XVI
	7. Countermeasures								
	*E - Identify countermeasures					VIII			
	12. Password								
	*E - Address password management with staff					V			
	E - Identify password management systems					V			
	E - Define password management					V			
	14. Recovery								
	*E - Address recovery procedures with staff					III			
	E - Describe disaster recovery procedures					III			
	16. Separation of Duties								
	*E - Define separation of duties								X
	E - Evaluate separation of duties								X
	E - Implement separation of duties								X
	F. Operations Policies/Procedures								
	1. Assessment								
	*E - Support assessments for use during certification of information systems					VI.e			
	2. Countermeasures								
	*E - Identify protective technologies					VIII			
	E - List protective technologies					VIII			
	3. Crime								
	*E - Support anti-criminal activity preparedness planning (law enforcement)					III-IV			
	5. Disposition								
	*E - Identify disposition of media and data policies and procedures					IV			
	6. Documentation								
	*E - Describe documentation policy and procedures					II-IV			
	7. Media								
	*E - Identify storage media control policies and procedures					IV			
	E - Identify storage media protection policies and procedures					IV			
	9. Privacy								
	*E - Outline known means of keystroke monitoring	I.g				IX			
	10. Recovery								
	*E - Define disaster recovery policies and procedures					III			
	E - Describe disaster recovery policies and procedures					III			
	11. Separation of Duties								
	*E - Describe separation of duties policies and procedures								X
	12. Vendor								
	*E - Facilitate vendor cooperation					II			
	E - Explain vendor cooperation					II			

G. Contingency/Continuity of Operations								
1. Backup								
	*E - Outline security policy for backup procedures					III		
3. Continuity/Contingency								
	*E - Describe continuity/contingency planning					III		
	E - Prepare input to continuity/contingency plan					III		
4. Recovery								
	*E - Describe disaster recovery					III		
	E - Describe disaster recovery plan testing					III		
	E - Prepare input to recovery plan					III		
FUNCTION 2 - INCIDENTS								
A. Policy and Procedures								
2. Disposition								
	*E - Address disposition procedures with staff					III-IV		
3. Due Care								
	*E - Address questions from users about due care					III-IV		
4. Incident								
	*E - Define incidents					III-IV		
	E - Define breaches					III-IV		
	E - Address unauthorized access incident reporting with staff					III-IV		
	E - Define incident response					III-IV		
5. Intrusion								
	*E - Define intrusion detection					VII-VIII		XIII
	E - Address intrusion detection management with staff					VII-VIII		XIII
6. Legal								
	*E - Assist appropriate authority in witness interviewing/interrogation					III-V		
	E - Assist in evidence identification/preservation					III-V		
7. Reporting								
	*E - Define reporting					V		
9. Violation								
	*E - Define violations					V		
B. Operations Countermeasures/Safeguard								
2. Attack								
	*E - Identify an attack					III		
4. Authentication								
	*E - Address work force about authentication procedures					III		
5. Organizational/Agency Systems Emergency Response Team								
	*E - Describe the organizational/agency systems emergency/incident response team					III		
6. Countermeasure								
	*E - Assist in performing countermeasure/safeguard corrective actions					III		
	E - Describe countermeasures					III		
7. Incident								
	*E - Address unauthorized access incident reporting with staff					III		
	E - Assist in incident response					III		
9. Legal								
	*E - Assist appropriate authority in witness interviewing/interrogation					III-IV		
10. Safeguard								
	*E - Describe safeguards					III		
C. Contingency Countermeasures/Safeguards								
2. Availability								
	*E - Define information availability					I		
3. Correction								
	*E - Identify examples of corrective actions					III		
5. Incident								
	*E - Address unauthorized access incident reporting with staff					III		
6. Intrusion								
	*E - Identify methods of intrusion detection					VIII		XIII
FUNCTION 3 - CONFIGURATION								
A. Administrative Policies/Procedures								
3. Authentication								
	*E - Address authentication with staff					V		
	E - Address work force about authentication procedures					V		
4. Biometrics								
	*E - Address biometric access management with staff					V		
5. Organizational/Agency Systems Emergency/Incident Response Team								
	*E - Identify organizational/agency systems emergency/incident response team					V		
6. Configure								
	*E - Define change control policies					V		
	E - Define configuration control					V		
	E - Address configuration management with staff					V		
	E - Address staff about legal configuration restrictions					V		
	E - Adhere to configuration control					V		
	E - Monitor configuration control					V		
7. Copyright								
	*E - Adhere to copyright protection and licensing					V		
	E - Define copyright protection and licensing					V		IV
10. Install/Patch								
	*E - Identify appropriate sources for updates and patches					V		
12. Management								
	*E - Identify basic/generic management issues					V	II.b	
15. Operation								
	*E - Define operational procedure review					V		
16. Password								
	*E - Address password management with staff					V		

FUNCTION 4 - ANOMALIES AND INTEGRITY

A. General Risk Management									
1. Attack									
	*E - Describe attack actions					VII-VIII			
	E - Identify attack actions					VII-VIII			
3. EMSEC/TEMPEST									
	*E - Define EMSEC/TEMPEST security as it relates to the risk management process					VII-VIII	III.h		
	E - Describe EMSEC/TEMPEST security as it relates to the risk management process					VII-VIII	III.h		
4. Internet									
	*E - Describe ways to provide protection for Internet connections					IX			XVII
5. Legal									
	*E - Assist in investigations as requested					IV-V			
6. Logging									
	*E - Describe the different categories of activities which may be logged					XI			XII
7. Network									
	*E - Describe wireless security					IX			XIV
	E - Describe LAN/WAN security					IX			XIV
8. Operating System									
	*E - Describe operating system integrity								XV-XVI
10. Threat									
	*E - Identify different types of threat					I			I
11. Zone									
	*E - Describe on what zoning and zone of control ratings are based								XV,g
B. Access Control Safeguards									
1. Access Control									
	*E - Address access control software management with staff					IX			XI
	E - Address work force about access control software management procedures					IX			XI
	E - Define decentralized/distributed -- single sign on (SSO) (i.e., Kerberos)					IX			XI
	E - Define discretionary access controls					IX			XI
	E - Define mandatory access controls					IX			XI
	E - Define security domain					IX			XI
	E - Describe access control physical, logical, and administrative configurations					IX			XI
	E - Describe access rights and permissions					IX			XI
	E - Describe control techniques and policies (i.e., discretionary, mandatory, and rule of least privilege)					IX			XI
	E - Identify access control attacks (brute force, dictionary, spoofing, denial of service, etc.)					IX			XI
2. Alarms									
	*E - Demonstrate the ability to use alarms, signals, and reports					IX			XIV.e
3. Authentication									
	*E - Describe centralized/remote authentication access controls								IX
	E - Describe identification and authentication techniques								IX
	E - Identify identification and authentication techniques								IX
4. Distribution System									
	*E - Define protected distribution systems								XVI
6. Legal									
	*E - Address staff about legal access restrictions					XI			
	E - Assist in investigations as requested					XI			
7. Monitor									
	*E - Define accountability and monitoring (i.e., correction, alarms, audit trail)					XI			
	E - Describe accountability and monitoring (i.e., correction, alarms, audit trail)					XI			
8. Network									
	*E - Identify network security software					IX			XIV
9. Operating System									
	*E - Describe operating system security features								XV-XVI
10. Ownership									
	*E - Describe data ownership and custodianship					I			I
11. Safeguards									
	*E - Describe system security safeguards					IX			XVI
C. Audit Policies and Procedures									
1. Address									
	*E - Address access management with staff					V			
4. Legal									
	*E - Address staff about legal access restrictions					V,XI			
	E - Assist in investigations as requested					V,XI			
6. Separation of Duties									
	*E - Describe situations in which separation of duties is appropriate or mandatory					X			X
D. Audit Countermeasures/Safeguards									
2. Legal									
	*E - Assist in investigations as requested					V,XI			
E. Audit Tools									
1. Audit									
	*E - Define an error/audit log								XII
	E - Identify audit tools								XII
	E - Describe the major benefit gained through use of audit trails and logging policies								XII
2. Intrusion									
	*E - Identify intrusion detection systems								XIII
3. Legal									
	*E - Assist in investigations as requested					XI			
4. Operating Systems									
	*E - Describe major operating system security features								XVI
F. Operations Management/Oversight									
3. Configuration Management									
	*E - Describe configuration management					V			
5. Legal									
	*E - Assist in investigations as requested					V,XI			

	6. Monitoring								
		*E - Address monitoring management with staff				V			
	8. Recovery								
		*E - Describe disaster recovery management				III,V			
		E - Describe disaster recovery oversight				III,V			
	G. Configuration Management								
	5. Legal								
		*E - Assist in investigations as requested				V			
	6. Media								
		*E - Identify storage media protection and control procedures				V			
	7. Subjects and Objects								
		*E - Define subjects and objects							III-VI
	10. Trusted Computer Base (TCB)								
		*E - Define trusted computer base (TCB) reference monitors and kernels							III-VI
	FUNCTION 5 - ADMINISTRATION								
	A. Access Control Policies/Administration								
	1. Access Control								
		*E - Address access control software management with staff				V			
		E - Address access management with staff				V			
		E - Address work force about access control software management procedures				V			
		E - Address work force about access management procedures				V			
		E - Address work force about account management procedures				V			
		E - Describe data access				V			
	2. Accounts								
		*E - Address account management with staff				V			
	3. Authentication								
		*E - Address authentication with staff				V			
		E - Address work force about authentication procedures				V			
	5. Biometrics								
		*E - Address biometric access management with staff				V			
	7. Custodian								
		*E - Identify information resource custodian				V			
	8. Disposition								
		*E - Address disposition procedures with staff				V			
	9. Due Care								
		*E - Address questions from users about due care				V			
	10. Legal								
		*E - Address staff about legal access restrictions				V,XI			
		E - Address staff about legal monitoring restrictions				V,XI			
	11. Mode of Operation								
		*E - Define modes of operation				IV-V			XV
		E - Describe modes of operation				IV-V			XV
		E - Identify the dedicated mode of operation				IV-V			XV
	12. Monitoring								
		*E - Outline known means of electronic monitoring				III			XII
	13. Owner								
		*E - Identify information resource owner				I			I
		E - Define information ownership				I			I
	14. Password								
		*E - Describe a method to force regular password changes and the limitations of the method				IX			IX
	15. Separation of Duties								
		*E - Describe separation of duties							X
	16. Vendors								
		*E - Facilitate vendor cooperation				II,V			
	17. Audit								
		*E - Address work force about auditing and logging management procedures							XII
	B. Access Control Countermeasures								
	2. Authentication								
		*E - Address work force about authentication procedures				V			
	3. Biometrics								
		*E - Address biometric access management with staff				V			
	4. COMSEC Policy								
		*E - List national COMSEC policies				XI			XVIII
		E - List national COMSEC procedures				XI			XVIII
	5. Control								
		*E - Define internal controls and security				IV-V			
	6. Countermeasures								
		*E - Describe countermeasures				VIII			
		E - Define countermeasures				VIII			
		E - Give examples of countermeasures				VIII			
	8. Intrusion								
		*E - Identify methods of intrusion detection							XIII
		E - Address intrusion detection management with staff				V.d			XIII
		E - Address staff about intrusion detection				V.d			XIII
		E - Address staff about intrusion deterrents				V.d			XIII
	9. Isolation and Mediation								
		*E - Define isolation and mediation							XIV.e
	10. Key								
		*E - Demonstrate knowledge of how to operate a KMI-enabled system							VIII
		E - Submit requirements key management							VIII
	11. Monitoring								
		*E - Address monitoring management with staff				V.d			
		E - Address staff about monitoring and auditing intrusion detection policies				V.d			
		E - Address work force about monitoring management procedures				V.d			

