



- ✓ **Make a Plan**
- ✓ **Get a Kit**
- ✓ **Be Informed**
- ✓ **Get Involved**

CYBER SECURITY CONTROLS CHECKLIST

This is a simple checklist designed to identify and document the existence and status for a recommended basic set of cyber security controls (policies, standards, and procedures) for an organization. Security controls are designed to reduce and/or eliminate the identified threat/vulnerabilities that place an organization at risk.

PERSONELL SECURITY	Yes	No
1. Does your staff wear ID badges?	<input type="radio"/>	<input type="radio"/>
2. Is a current picture part of the ID badge?	<input type="radio"/>	<input type="radio"/>
3. Are authorized access levels and type (employee, contractor, visitor) identified on the Badge?	<input type="radio"/>	<input type="radio"/>
4. Do you check the credentials of external contractors?	<input type="radio"/>	<input type="radio"/>
5. Do you have policies addressing background checks for employees and contractors?	<input type="radio"/>	<input type="radio"/>
6. Do you have a process for effectively cutting off access to facilities and information systems when an employee/contractor terminates employment?	<input type="radio"/>	<input type="radio"/>
PHYSICAL SECURITY	Yes	No
7. Do you have policies and procedures that address allowing authorized and limiting unauthorized physical access to electronic information systems and the facilities in which they are housed?	<input type="radio"/>	<input type="radio"/>
8. Do your policies and procedures specify the methods used to control physical access to your secure areas, such as door locks, access control systems, security officers, or video monitoring?	<input type="radio"/>	<input type="radio"/>
9. Is access to your computing area controlled (single point, reception or security desk, sign-in/sign-out log, temporary/visitor badges)?	<input type="radio"/>	<input type="radio"/>

10. Are visitors escorted into and out of controlled areas?	<input type="radio"/>	<input type="radio"/>
11. Are your PCs inaccessible to unauthorized users (e.g. located away from public areas)?	<input type="radio"/>	<input type="radio"/>
12. Is your computing area and equipment physically secured?	<input type="radio"/>	<input type="radio"/>
13. Are there procedures in place to prevent computers from being left in a logged-on state, however briefly?	<input type="radio"/>	<input type="radio"/>
14. Are screens automatically locked after 10 minutes idle?	<input type="radio"/>	<input type="radio"/>
15. Are modems set to Auto-Answer OFF (not to accept incoming calls)?	<input type="radio"/>	<input type="radio"/>
16. Do you have procedures for protecting data during equipment repairs?	<input type="radio"/>	<input type="radio"/>
17. Do you have policies covering laptop security (e.g. cable lock or secure storage)?	<input type="radio"/>	<input type="radio"/>
18. Do you have an emergency evacuation plan and is it current?	<input type="radio"/>	<input type="radio"/>
19. Does your plan identify areas and facilities that need to be sealed off immediately in case of an emergency?	<input type="radio"/>	<input type="radio"/>
20. Are key personnel aware of which areas and facilities need to be sealed off and how?	<input type="radio"/>	<input type="radio"/>
ACCOUNT AND PASSWORD MANAGEMENT	Yes	No
21. Do you have policies and standards covering electronic authentication, authorization, and access control of personnel and resources to your information systems, applications and data?	<input type="radio"/>	<input type="radio"/>
22. Do you ensure that only authorized personnel have access to your computers?	<input type="radio"/>	<input type="radio"/>
23. Do you require and enforce appropriate passwords?	<input type="radio"/>	<input type="radio"/>
24. Are your passwords secure (not easy to guess, regularly changed, no use of temporary or default passwords)?	<input type="radio"/>	<input type="radio"/>
25. Are you computers set up so others cannot view staff entering passwords?	<input type="radio"/>	<input type="radio"/>
CONFIDENTIALITY OF SENSITIVE DATA	Yes	No
26. Do you classify your data, identifying sensitive data versus non sensitive?	<input type="radio"/>	<input type="radio"/>

27. Are you exercising responsibilities to protect sensitive data under your control?	<input type="radio"/>	<input type="radio"/>
28. Is the most valuable or sensitive data encrypted?	<input type="radio"/>	<input type="radio"/>
29. Do you have a policy for identifying the retention of information (both hard and soft copies)?	<input type="radio"/>	<input type="radio"/>
30. Do you have procedures in place to deal with credit card information?	<input type="radio"/>	<input type="radio"/>
31. Do you have procedures covering the management of personal private information?	<input type="radio"/>	<input type="radio"/>
32. Is there a process for creating retrievable back up and archival copies of critical information?	<input type="radio"/>	<input type="radio"/>
33. Do you have procedures for disposing of waste material?	<input type="radio"/>	<input type="radio"/>
34. Is waste paper binned or shredded?	<input type="radio"/>	<input type="radio"/>
35. Is your shred bin locked at all times?	<input type="radio"/>	<input type="radio"/>
36. Do your policies for disposing of old computer equipment protect against loss of data (e.g.. by reading old disks and hard drives)?	<input type="radio"/>	<input type="radio"/>
37. Do your disposal procedures identify appropriate technologies and methods for making hardware and electronic media unusable and inaccessible (such as shredding CDs and DVDs, electronically wiping drives, burning tapes) etc.)?	<input type="radio"/>	<input type="radio"/>
DISASTER RECOVERY	Yes	No
38. Do you have a current business continuity plan?	<input type="radio"/>	<input type="radio"/>
39. Is there a process for creating retrievable back up and archival copies of critical information?	<input type="radio"/>	<input type="radio"/>
40. Do you have an emergency/incident management communications plan?	<input type="radio"/>	<input type="radio"/>
41. Do you have a procedure for notifying authorities in the case of a disaster or security incident?	<input type="radio"/>	<input type="radio"/>
42. Does your procedure identify who should be contacted, including contact information?	<input type="radio"/>	<input type="radio"/>
43. Is the contact information sorted and identified by incident type?	<input type="radio"/>	<input type="radio"/>
44. Does your procedure identify who should make the contacts?	<input type="radio"/>	<input type="radio"/>

45. Have you identified who will speak to the press/public in the case of an emergency or an incident?	<input type="radio"/>	<input type="radio"/>
46. Does your communications plan cover internal communications with your employees and their families?	<input type="radio"/>	<input type="radio"/>
47. Can emergency procedures be appropriately implemented, as needed, by those responsible?	<input type="radio"/>	<input type="radio"/>
SECURITY AWARENESS AND EDUCATION	Yes	No
48. Are you providing information about computer security to your staff?	<input type="radio"/>	<input type="radio"/>
49. Do you provide training on a regular recurring basis?	<input type="radio"/>	<input type="radio"/>
50. Are employees taught to be alert to possible security breaches?	<input type="radio"/>	<input type="radio"/>
51. Are your employees taught about keeping their passwords secure?	<input type="radio"/>	<input type="radio"/>
52. Are your employees able to identify and protect classified data, including paper documents, removable media, and electronic documents?	<input type="radio"/>	<input type="radio"/>
53. Does your awareness and education plan teach proper methods for managing credit card data (PCI standards) and personal private information (Social security numbers, names, addresses, phone numbers, etc.)?	<input type="radio"/>	<input type="radio"/>
COMPLIANCE AND AUDIT	Yes	No
54. Do you review and revise your security documents, such as: policies, standards, procedures, and guidelines, on a regular basis?	<input type="radio"/>	<input type="radio"/>
55. Do you audit your processes and procedures for compliance with established policies and standards?	<input type="radio"/>	<input type="radio"/>
56. Do you test your disaster plans on a regular basis?	<input type="radio"/>	<input type="radio"/>
57. Does management regularly review lists of individuals with physical access to sensitive facilities or electronic access to information systems?	<input type="radio"/>	<input type="radio"/>

Checklist Response Analysis

For each question that is marked “No,” carefully review its applicability to your organization. Implementing or improving controls decreases potential exposure to threats/vulnerabilities that may seriously impact the ability to successfully operate.

CYBER SECURITY THREAT/VULNERABILITY ASSESSMENT

A threat is the potential for a person or a thing to exercise (accidentally trigger or intentionally exploit) a flaw or weaknesses (vulnerability) within an organization. There are several types of threats that may occur within an information system or operating environment. Threats are usually grouped into general categories such as natural, human, and environmental, for example:

NATURAL THREATS			
Storm damage (e.g., flood)	Fire	Lightning strikes	Tornado
HUMAN THREATS			
Computer abuse	Unauthorized access to Privacy Act and proprietary information		Terrorism
Sabotage or vandalism	System tampering		Spoofing
Fraud	Impersonation and social engineering		Hacking
Negligence or human error	Theft	Falsified data	
ENVIRONMENTAL THREATS			
Long-term power failure	Chemical leakage		Pollution

The desired outcome of identifying and reviewing (assessing) threats and vulnerabilities is determining potential and actual risks to the organization. Risk is a combination of factors or events (threats and vulnerabilities) that, if they occur, may have an adverse impact on the organizations. Risk is established by considering the potential impact and likelihood of a vulnerability being exploited by a threat. Risk only exists when threats have the capability of triggering or exploiting vulnerabilities. The following formula is used to determine a risk score:

Risk = Impact x Likelihood

For this assessment, numeric rating scales are used to establish impact potential (0-6) and likelihood probability (0-5).

IMPACT SCALE	LIKELIHOOD SCALE
1. Impact is negligible	0. Unlikely to occur
2. Effect is minor, major agency operations are not affected	1. Likely to occur less than once per year
3. Organization operations are unavailable for a certain amount of time, costs are incurred. Public/customer confidence is minimally affected	2. Likely to occur once per year
4. Significant loss of operations, significant impact on public/customer confidence	3. Likely to occur once per month

IMPACT SCALE	LIKELIHOOD SCALE
5. Effect is disastrous, systems are down for an extended period of time, systems need to be rebuilt and data replaced	4. Likely to occur once per week
6. Effect is catastrophic, critical systems are offline for an extended period; data are lost or irreparably corrupted; public health and safety are affected	5. Likely to occur daily

When determining impact, consider the value of the resources at risk, both in terms of inherent (replacement) value and the importance of the resources (criticality) to the organization's successful operation.

Factors influencing likelihood include: threat capability, frequency of threat occurrence, and effectiveness of current countermeasures (security controls). Threats caused by humans are capable of significantly impairing the ability for an organization to operate effectively. Human threats sources include:

SOURCE	SOURCE DESCRIPTION
Insiders:	Employees, owners, stock holders, etc.
General contractors and subcontractors	Cleaning crew, developers, technical support personnel, and computer and telephone service repair crew
Former employees:	Employees who have retired, resigned, or were terminated
Unauthorized users:	Computer criminals, terrorists, and intruders (hackers and crackers) who attempt to access agency/enterprise resources.

Finally, use the following table to determine and understand the potential criticality (risk level) of each threat/vulnerability based on the calculated risk value.

SCORE	RISK LEVEL	RISK OCCURRENCE RESULT
21-30	High Risk	Occurrence may result in <i>significant loss</i> of major tangible assets, information, or information resources. May <i>significantly disrupt</i> the organization's operations or <i>seriously harm</i> its reputation.
11-20	Medium Risk	Occurrence may result in <i>some loss</i> of tangible assets, information, or information resources. May <i>disrupt or harm</i> the organization's operation or reputation. For example, authorized users aren't able to access supportive data for several days.
1-10	Low Risk	Occurrence may result in <i>minimal loss</i> of tangible assets, information, or information resources. May <i>adversely affect</i> the organization's operation or reputation. For example, authorized users aren't granted access to supportive data for an hour.

CYBER SECURITY THREAT/VULNERABILITY ASSESSMENT

HUMAN THREATS	Impact (0-6)	Probability (0-5)	Score (Impact x Probability)
1. Human Error			
<ul style="list-style-type: none"> Accidental destruction, modification, disclosure, or incorrect classification of information 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Ignorance: inadequate security awareness, lack of security guidelines, lack of proper documentation, lack of knowledge 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Workload: Too many or too few system administrators, highly pressured users 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Users may inadvertently give information on security weaknesses to attackers 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Incorrect system configuration 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Security policy not adequate 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Security policy not enforced 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Security analysis may have omitted something important or be wrong. 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Dishonesty: Fraud, theft, embezzlement, selling of confidential agency information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Attacks by "social engineering"			
<ul style="list-style-type: none"> Attackers may use telephone to impersonate employees to persuade users/administrators to give user name/passwords/modem numbers, etc. 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Attackers may persuade users to execute Trojan Horse programs 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Abuse of privileges/trust	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GENERAL THREATS	Impact (0-6)	Probability (0-5)	Score (Impact x Probability)
1. Unauthorized use of "open" computers/Laptops'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Mixing of test and production data or environments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Introduction of unauthorized software or hardware	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4. Time bombs: Software programmed to damage a system on a certain date			
5. Operating system design errors: Certain systems were not designed to be highly secure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Protocol design errors: Certain protocols were not designed to be highly secure. Protocol weaknesses in TCP/IP can result in:			
<ul style="list-style-type: none"> • Source routing, DNS spoofing, TCP sequence guessing, unauthorized access 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> • Hijacked sessions and authentication session/transaction replay, data is changed or copied during transmission 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> • Denial of service, due to ICMP bombing, TCP-SYN flooding, large PING packets, etc. 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Logic bomb: Software programmed to damage a system under certain conditions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Viruses in programs, documents, e-mail attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IDENTIFICATION AUTHORIZATION THREATS	Impact (0-6)	Probability (0-5)	Score (Impact x Probability)
1. Attack programs masquerading as normal programs (Trojan horses).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Attack hardware masquerading as normal commercial hardware	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. External attackers masquerading as valid users or customers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Internal attackers masquerading as valid users or customers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Attackers masquerading as helpdesk/support personnel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PRIVACY THREATS	Impact (0-6)	Probability (0-5)	Score (Impact x Probability)
1. Eavesdropping			
<ul style="list-style-type: none"> • Electromagnetic eavesdropping / Ban Eck radiation 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> • Telephone/fax eavesdropping (via “clip-on” telephone bugs, inductive sensors, or hacking the public telephone exchanges 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> • Network eavesdropping. Unauthorized monitoring of sensitive data crossing the internal network, unknown to the data owner 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> • Subversion of ONS to redirect email or other traffic 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<ul style="list-style-type: none"> Subversion of routing protocols to redirect email or other traffic 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Radio signal eavesdropping, 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Rubbish eavesdropping (analyzing waste for confidential documents, etc.) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
INTEGRITY / ACCURACY THREATS	Impact (0-6)	Probability (0-5)	Score (Impact x Probability)
1. Malicious, deliberate damage of information or information processing functions from external sources	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Malicious, deliberate damage of information or information processing functions from internal sources	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Deliberate modification of information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ACCESS CONTROL THREATS	Impact (0-6)	Probability (0-5)	Score (Impact x Probability)
1. Password cracking (access to password files, use of bad – blank, default, rarely changed – passwords)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. External access to password files, and sniffing of the networks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Attack programs allowing external access to systems (back doors visible to external networks)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Attack programs allowing internal access to systems (back doors visible to internal networks)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Unsecured maintenance modes, developer backdoors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Modems easily connected, allowing uncontrollable extension of the internal network	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Bugs in network soft are which can open unknown/unexpected security holes (holes can be exploited from external networks to gain access. This threat grows as software becomes increasingly complex)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Unauthorized physical access to system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
REPUDIATION THREAT	Impact (0-6)	Probability (0-5)	Score (Impact x Probability)
1. Receivers of confidential information may refuse to acknowledge receipt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Senders of confidential information may refuse to acknowledge source			

LEGAL THREATS	Impact (0-6)	Probability (0-5)	Score (Impact x Probability)
1. Failure to comply with regulatory or legal requirements (ie, to protect confidentiality of employee data)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Liability for acts of internal users or attackers who abuse the system to perpetrate unlawful acts (ie, incitement to racism, gambling, money laundering, distribution of pornographic or violent material)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Liability for damages if an internal user attacks other sites.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RELIABILITY OF SERVICE THREATS	Impact (0-6)	Probability (0-5)	Total (Impact x Probability)
1. Major natural disasters, fire, smoke, water, earthquake, storms/hurricanes/tornadoes, power outages, etc	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Minor natural disasters, of short duration, or causing little damage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Major human-caused disasters: war, terrorist incidents, bombs, civil disturbance, dangerous chemicals, radiological accidents, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Equipment failure from defective hardware, cabling, or communications system.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Equipment failure from airborne dust, electromagnetic interference, or static electricity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Denial of Service:			
• Network abuse: Misuse of routing protocols to confuse and mislead systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Server overloading (processes, swap space, memory, "tmp" directories, overloading services)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Email bombing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Downloading or receipt of malicious Applets, Active X controls, macros, PostScript files, etc	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Sabotage: Malicious, deliberate damage of information or information processing functions.			
• Physical destruction of network interface devices, cables	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Physical destruction of computing devices or media	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Destruction of electronic devices and media by electromagnetic radiation weapons (HERF Gun, EMP/T Gun)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<ul style="list-style-type: none"> Deliberate electrical overloads or shutting off electrical power 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Viruses and/or worms. Deletion of critical systems files 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Next Steps

After completing a review of current security controls and along with a review and rating of potential threats/vulnerabilities, a series of actions should be determined to reduce risk (threats exploiting vulnerabilities) to and acceptable level. These actions should include putting into place missing security controls, and/or increasing the strength of existing controls.

Security controls should ideally reduce and/or eliminate vulnerabilities and meet the needs of the business. Cost must be balanced against expected security benefit and risk reduction. Typically, security remediation efforts and actions will be focused on addressing identified high risk threat/vulnerabilities

The following table identifies a set of remediation activities designed to focus on the commonly identified High risk threats and vulnerabilities. Actions are ranked in priority order of effectiveness.

Example Recommended Security Risk Remediation Actions

No.	Remediation Action	Cost	Benefit	Risk
1	Develop a foundation of Security Policies, Practices and Procedures, especially in the area of Change Control	Low	High	High
2	Establish and enforce a globally-accepted password policy	Low	High	High
3	Address vulnerability results in order of high risk to low risk	Low	High	High
4	Establish an Operations group facilitated discussion to improve processes and communications, and to eliminate any misunderstandings	Low	High	High
5	Establish router configuration security standards, forming baseline practices	Low	High	High
6	Harden servers on the internal network	Low	High	High
No.	Remediation Action	Cost	Benefit	Risk
7	More closely integrate worker termination activities between HR and IT. Incorporate new-hire orientation and annual security “refresher” for all employees.	Low to Moderate	High	High

No.	Remediation Action	Cost	Benefit	Risk
8	Redesign the internet perimeter, incorporating concepts of N-tier architecture and “defense in depth” into the redesign of the Internet perimeter and Enterprise Architecture	Low to Moderate	High	High
9	Migrate to a more centralized and integrated model of operations management, including centralized logging, event correlation, and alerting	Low to Moderate	High	High
10	Complete the intrusion detection infrastructure	Moderate	High	High
11	Install encryption on mobile computers to protect the confidentiality and integrity of data.	Moderate to Expensive	High	High
12	Perform data classification to determine security levels to protect that data	Moderate to Expensive	High	High
13	Institute vulnerability scanning as a regular scheduled maintenance task	Moderate to Expensive	High	High
14	Reclassify email as a mission critical application	Low	Moderate	Medium
15	Complete security staffing for the ISO Security Group	Expensive	High	High
16	Complete Computer Security Incident Response Team (CSIRT) capability	Moderate to Expensive	High	High