



Risk Assessment

To many senior-level leaders across the public and private sectors, the effective management of risk is critical to business survival and the achievement of organizational mission. The growth of systems, networks, applications, and mobile devices—coupled with the trend toward virtualization and cloud computing—can create a potentially dangerous environment. From trade secrets and proprietary information to troop movements, sensitive medical records, and financial transactions, critically important data flows through these systems and networks. Unfortunate leaks and breaches continue to abound, forcing organizations to look for ways to reduce their information technology (IT) security risk. It is easy to apply too much security, not enough security, or the wrong security components, and spend too much money in the process without attaining risk reduction. By classifying IT assets, assigning values, evaluating threats, and then determining where and how to implement safeguards, organizations can manage risk on a more holistic and effective basis. An IT Risk Assessment not only prioritizes risks but details the investment needed to protect against those risks in a sensible manner.

The Patriot IT Risk Assessment utilizes the most current approaches to risk, such as the International Organization for Standardization (ISO) 27005 standard for information security risk management, the National Institute of Standards and Technology (NIST) Special Publication 800-37 Risk Management Framework, and the Information Systems Audit and Control Association (ISACA) Risk IT Framework. Through these approaches—and Patriot's risk management subject matter experts—we're able to identify, analyze, and evaluate the most critical risk exposures and then recommend ways to treat (remediate, transfer, or accept) those risks.

In addition, Patriot can perform a return on investment (ROI) analysis that balances the value of the information asset against the cost of controls to protect it. This allows management to make more informed decisions regarding which controls to implement, based not only on initial cost, but also on threat probability and impact. Patriot is then able to assist in risk reduction by putting in place security architecture and/or operational improvements based upon our recommendations—providing a full "turn-key" approach to IT risk mitigation.



Patriot's deep experience in security risk software and hardware allows us to bring broad subject matter expertise across a number of vendor platforms. For example, we have current, extensive experience and certifications in the following solutions:



Loss Impact and Probability

5					
4					
3					
2					
1					
	1	2	3	4	5

RA Values	P/I	Risk Assessment Scale
5/5 5/4 5/3 4/3 5/2	4/4 4/5 3/5 3/4 2/5	High Risk: The loss of confidentiality, integrity, or availability could be expected to have a severe or catastrophic adverse effect on organizational operations, organizational assets, or individuals.
5/1 4/1 4/2 3/3 3/2	1/5 1/4 2/4 2/3 2/3	Moderate Risk: The loss of confidentiality, integrity, or availability could be expected to have a serious adverse effect on organizational operations, organizational assets, or individuals.
	2/2 1/2 2/1 1/1	Low Risk: The loss of confidentiality, integrity, or availability could be expected to have a limited adverse effect on organizational operations, organizational assets, or individuals.

Risk Categorization Values					
Category	1	2	3	4	5
Probability	Very Likely to Virtually Certain	Quite Possible to Very Likely	Somewhat Possible to Quite Possible	Remotely Possible to Somewhat Possible	Very Unlikely (practically impossible) to Remotely Possible
Impact	Pervasive (extremely material) to Extraordinary (survival is threatened)	Serious (very material) to Pervasive (extremely material)	Important (material) to Serious (very material)	Small (immaterial) to Important (material)	Very Small (inconsequential) to Small (immaterial)

The Patriot "Risk Map" is used to plot the probability and impact of a particular risk occurring. The map allows us to visualize risks in relation to each other, gauge their extent, and plan what type of risk treatments should be implemented.

Enterprise Lifecycle Security Specialists

Founded in 1996, Patriot Technologies is a privately owned, small business headquartered in Frederick, MD serving government and commercial organizations worldwide. To learn more about how Patriot's Professional Services can benefit your enterprise, call **301-695-7500** or visit **www.patriot-tech.com**.

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 SAIR SmartBUY BPA# GSQ0009AE0013 (BigFix)
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Other vehicles available: Encore II, Firstsource, ITES-2H, ITES-2S, NETCENTS, SEWP, Tiger, Treasury Commercial Vehicle (TCV), GSA Stars, Networkx, SDVOB and 8a partnerships, Arete Government Solutions, Leasing options

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