



Specialists in Information Security and Controls

Federal Government Information Security Services



Exceed Your Information Technology Security Goals and Requirements

JANUS INFORMATION SECURITY OVERVIEW

JANUS excels in security assessments and risk analyses and is unique in its understanding of processes and priorities that drive an organization.

JANUS seeks to focus on the business first, then and only then to develop and implement security approaches that enable, rather than constrain business processes. These approaches and services are detailed on the following pages.



INFORMATION SECURITY SERVICES

A wide range of services are provided on a variety of networks, mainframes, distributed systems, associated data networks and information processes. They include:

- Security Review and Analysis, Design of Security Architecture
- Secure Web-Site Design, Application Code Reviews
- Independent Verification and Validation
- Network Design and Implementation
- Virtual Private Network Design and Implementation
- Security Patch Research and Application
- Fulfillment – Implementation/Integration of Security Programs
- E-Commerce Design and Implementation
- Certification and Accreditation
- Database Design and Evaluation
- Firewall/Router Design and Implementation
- PKI Enabling
- Research of Security Issues
- Disaster Recovery

FEDERAL AUDITING STANDARDS (FAS)

Because of the many auditing guidelines that the Federal Government has in place, JANUS Associates has designed its C&A, risk assessment, and information assurance to comply with all of the FAS. By keeping abreast of NIST, OMB, FISMA and other guidelines JANUS has a comprehensive understanding of the Federal Auditing Standards, and writes all findings with FAS in mind. JANUS understands that the audit of government reporting and systems are an essential element of public accountability. Internal and independent auditing provides credibility to the information reported. The importance and necessity of auditing place a special responsibility on those conducting them, and the officials or others entrusted with public resources who authorize or arrange the audits. So this requires that they are in accordance with these standards. This responsibility is to provide audit coverage that is broad enough to help fulfill the reasonable needs of potential users of the audit report. Auditors can assist public officials and others in understanding the auditors' responsibilities under GAGAS and other audit coverage required by law or regulation.



To assess risk, JANUS conducts team-oriented, on-site analyses, either company-wide or limited to a special application or project. The results often uncover potential or actual areas of vulnerability that were not previously known.

Evaluations are by far the simplest way to achieve the objective; i.e., a thorough analysis of the information protection environment on which to base priorities. These include technology, policies, practices, procedures and the environment.

The process focuses on the protection of information created, accessed and stored in both manual and automated information systems (computers, data network and telecommunications systems), but may also include the physical, personnel and any other aspect of security requested by the client. The task identifies critical processes and systems to:

- Determine if they are protected appropriately; and
- Identify the potential business consequences of any weaknesses.

While the more obvious deliverable from this type of an assessment is a report of findings and recommendations, it may also become the cornerstone to developing an entire risk management program, provide a FISMA report, or become a gap analysis.

INFORMATION SECURITY SERVICES

Security services can consist of any or all of the following. However, each activity can also be conducted as a stand-alone offering.

CONTROL REVIEWS

A robust information security program is essential to the timely, consistent, and proper completion of the agency's mission. Stringent security controls reviews are required to preserve and protect the confidentiality, integrity, and availability of the information resources that support the various business functions.

PENETRATION ANALYSES

These test access patterns and weaknesses in computing systems' security envelopes. By conducting external or internal penetration tests, JANUS evaluates the potential for hackers, viruses, "Trojan Horses," etc., to reach government information assets, determines the impact of such intrusions, and recommends solutions for closing such accesses.

These tests cover all platforms, from UNIX, Novell and NT, to large IBM mainframes. They can also be targeted to Internet connections, and include firewall and router testing.

Networks: JANUS' proprietary five-level-deep penetration test plan ensures an in-depth analysis as well as consistency in all projects. This is particularly valuable in measuring the period-to-period progress of clients.,

Mainframes: JANUS' I.C.U...MVS Security Review and Analysis approach allows testers to quickly and thoroughly identify potential vulnerabilities in MVS environments.



How secure is your infrastructure?

APPLICATION REVIEWS

Analyze existing or planned applications. These are in-depth examinations of general security, auditability/control, sensitive module security, and audit trails of specific applications, especially those undergoing certification and accreditation.

CLASSIFICATION

Evaluate different types of information to assist in designating its relative value and thus determine where to focus future security efforts within the agency.

QUALITY ASSURANCE

Quality in the control planning process itself equates to results that are effective, efficient, and proportional to the risk involved, no more and no less.

Thorough planning has been shown to lower costs significantly. With the price of non-conformance for American work averaging 25%-30% of costs (reprocessing, reruns, unplanned service, etc.), this is a situation that is too expensive to continue. No better time exists to ensure quality than in the planning phase.

DESIGN OF SECURITY ARCHITECTURE

JANUS designs customer-specific, comprehensive security architecture (or the architecture required to accommodate upgrades / improvements to existing programs), and possesses the capability to implement recommended designs. The process generally entails:

- Needs Assessment
- Requirements Development
- Rapid Prototyping / Iterative Prototyping
- Vendor-Neutral Evaluations of Commercial Software/Hardware Options

INDEPENDENT VERIFICATION AND VALIDATION (IV&V)

A service that can take several forms. IV&V can encompass a comparison of the production / test environment to security requirements within a design document; it can provide an analysis of existing controls compared to industry-standards ("best practices"); or make a general security functionality assessment.

CERTIFICATION AND ACCREDITATION

JANUS provides all capabilities required for preparing the certification and accreditation of systems and applications. Typically, these include:

- Continuity of Operation Plans
- Risk Mitigation / Management Documentation
- Network Diagram and Data Flows
- Software and Hardware Inventory
- Business Risk Assessment
- Contingency Plan
- System Security Plan
- Risk Assessments and Reports
- System Tests and Evaluations
- Executive Briefing Materials. System Categorization Statement
- System Description with System Boundaries Noted
- System Risk Assessment
- Self-Assessment



INFORMATION SECURITY CERTIFICATION AND ACCREDITATION

While information security guidelines for federal agencies have been in place for years, recent legislation demands ever more stringent requirements for protecting sensitive information systems. Information Systems Security (ISS) Certification and Accreditation (C&A) is a key component of that effort, and one that JANUS is well positioned to provide.

JANUS' in-depth information security knowledge extends back many years and led to its selection early in its existence as the sub-contractor to develop security C&A guidelines for NASA's mission critical sensitive software applications in support of the International Space Station. More recent federal clients for whom JANUS has provided C&A services include the Federal Aviation Administration, the Federal Deposit Insurance Corporation, and the Centers for Medicare and Medicaid Services. Assignments at these agencies and others have clearly demonstrated JANUS' knowledge of the various legislative, regulatory and agency guidelines, a partial list of which is provided below.

As the federal/commercial sector dialog continues on cooperative efforts to secure critical infrastructure, the potential exists that ISS C&A requirements (similar to those now applied in federal government) may well become routine in the commercial world as well. With its experience in both the commercial and public sectors, JANUS can continue to be counted on to convey the best practices of one to the other.

Compliance

As the federal government requires more formal compliance services in line with those of the Sarbanes Oxley Act its Federal equivalent is coming more into focus (OMB A-123). JANUS has expertise in compliance at the federal level as well as in the commercial sector. Assisting with determining where weaknesses lay, or structuring how to become compliant, preparing the program, and implementing it are all topics which JANUS understands well.

Implicit Trust of Our Clients

Since 1988 JANUS Associates has served some of the most respected and prestigious organizations in the nation. Our clients trust us implicitly to handle their engagements in a professional and cost-effective manner and our reputation attests to these facts. JANUS clients cover the entire spectrum of Fortune 500 companies, federal, state and municipal entities, and Not-For Profits.

Here is what one of them had to say.

"Recently and under very intense deadline JANUS provided expert knowledge and skill in supporting our development of automated risk analysis / assessment tools, corporate level procedures for risk assessment, awareness and training to divisional components... Typically these are 1) performed at a moment's notice, 2) through long hours of commitment and 3) results deliver exceptional products with professionalism noticed by high level management ...making our vision realized. I congratulate JANUS Associates for their leadership, performance and a job well done." *Kahletta Montgomery, Oversight Manager-Information Security Staff, Federal Deposit Insurance Corporation*



Federal Agencies Served

Centers for Medicare & Medicaid Services
Department of Veterans Affairs
Federal Aviation Administration
Federal District Court – S. Dist. of NY
Government Accountability Office
U.S. Air Force

Department of Agriculture
Environmental Protection Administration
Federal Bureau of Investigation
Federal Reserve Board
Natl. Aeronautics & Space Administration
U.S. Customs Service

Department of Interior
Fannie Mae
Federal Deposit Insurance Corporation
Freddie Mac
Social Security Administration
U.S. Navy

A Little About Us

JANUS is a certified woman-owned business and has the longest tenure of any independent IT security firm in the nation. In business since 1988, JANUS has been in the forefront of providing quality IT centric services for two decades and remains totally abreast of current technologies and the constantly evolving threats to security and privacy. Organizations that understand the need to secure their data and protect their business interests rely on the professional team at JANUS.

JANUS is a vendor-neutral, full service company with strong credentials in the federal, state and municipal government sector. Numerous Fortune 1000 corporations and Not-For-Profits are also satisfied clients.

Our corporate headquarters are in Stamford, CT. The JANUS Federal Systems Group has offices in Silver Spring and Baltimore, MD. Our software Design and Development team is located in Waltham, MA.

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