

INOVAS

IT INNOVATIVE SOLUTIONS CORPORATION DATA GOVERNANCE

IT Innovative Solutions, Corp. (INOVAS) provides Information Technology consulting services to the public and private sectors; our specialties are in the design, development, and maintenance of web-based applications and surveys for the collection, management, analysis, and dissemination of data. Our solutions are both cost-effective and creative. We deliver our solutions with scalable architecture using the best hardware and software technologies available.

As a leading web-based application provider, INOVAS' Data Governance (DG) processes and procedures are used to assess, manage, improve, monitor, maintain and protect the collection of all data at all times. These processes and procedures are a part of our quality assurance control plan and are based on our three-dimensional quality assurance approach.

I. Quality Assurance Approach

INOVAS' quality assurance approach is based on Section 104 of the *Sarbanes–Oxley Act of 2002* [SOX ([Pub. L. 107–204](#))] which “Mandates that a program of continuing inspections to ensure compliance is conducted: (1) annually for firms that regularly provide audit reports for more than 100 issuers; and (2) at least every three years for firms that regularly provide audit reports for 100 or fewer issuers.”¹¹ INOVAS complies with this law by designing and implementing proper governance controls in every Federal, state and local project undertaken.

Our three-dimensional quality assurance approach in complying with the law includes Corporate Governance, Regulatory Compliance and Risk Management. Our **Corporate Governance** approach ensures that our teams' focus on core activities establishes accountability and transparency for actions and responsibility of desired outcomes. Our corporate governance policy addresses how projects are evaluated.

Our **Risk Management** approach is a systematic process for identifying, analyzing, evaluating, resolving, and monitoring risk associated with each project.

Our team has mastered most of the risks and associated factors that may potentially interfere with the successful completion of projects, individual task(s), goal(s) and/or objective(s).

Our **Regulatory Compliance** ensures that all necessary IT governance requirements are met. Our policy encompasses all IT compliance laws as well our internal corporate policies, which in turn are based on best industry practices. INOVAS understands compliance requirements are not static, and compliance efforts should not be either.

INOVAS' QA processes focus on high-level controls of each project including planning, monitoring, controlling, and delivering data and information assets to each Federal, state and local agency.



¹¹ <http://www.soxlaw.com/>

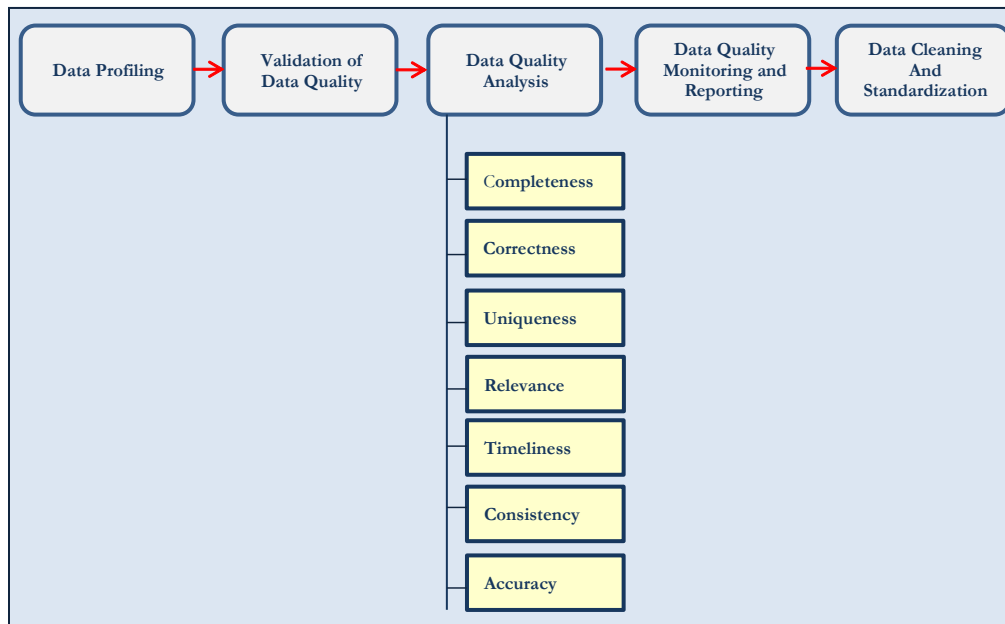
Our data governance effort encompasses two or more of the data management functions listed above; as opposed to the simpler DG, which refers to a specific function. Our core data management functions that are overseen include:

- **Data Architecture management**
- **Data Development**
- **Data Quality Management**
- **Data Warehousing and Business Intelligence management**
- **Document and Content Management**

II. Enterprise Database Management

The performance and productivity of web-based applications are dependent on the quality of data processed by it. INOVAS' Enterprise Database Management (EDM) policy was incorporated into our quality assurance plan with the implementation of the *Digital Accountability and Transparency Act of 2014* [DATA (Pub. L. 113–101)]. This law establishes major changes to the regulation of corporate governance. It also sets forth standards for improving the quality of data submitted to USASpending.gov by holding federal agencies accountable for the completeness and accuracy of the data submitted.

INOVAS' EDM strategy involves our data stewardship, which ensures that data is complete and accurate. Our step-by-step approach for profiling enterprise data includes – outlining data quality rules, validating data, analyzing exceptions, cleaning and standardizing data, providing ongoing monitoring and data quality reporting.



INOVAS' EDM solution helps improve data quality and metadata to ensure that our procedures are consistent with data governance policies that provide accessible and secure data. The outcome of our solution is to provide Federal, state and local agencies with impeccable web-application processes and functions by delivering seamless data access for long-term reporting requirements.

III. Regulatory Compliance Laws, Standard and Best Practices

1) Laws

Office of Management and Budget and Office of Science and Technology Policy (OSTP) guidance [OMB A-130](#)

The [Confidential Information Protection and Statistical Efficiency Act of 2002](#)

The [Digital Accountability and Transparency Act of 2014](#)

The [E-Government Act Of 2002](#)

The [Freedom of Information Act](#)

The [Information Quality Act](#)

The [Paperwork Reduction Act](#)

The [Sarbanes–Oxley Act of 2002](#)

2) Standards

[Common Approach to Federal Enterprise Architecture Publication 199](#)

[Standards for Security Categorization of Federal Information and Information Systems Controlled Unclassified Information \(CUI\) program](#)

[The National Strategy for Information Sharing and Safeguarding and the best practices found in Project Open Data](#)

[Fair Information Practice Principles and National Institute of Standards and Technology guidance on Security and Privacy Controls for Federal Information Systems and Organizations](#)

3) Best Practices - American National Standards Institute / Institute of Electrical and Electronics Engineers

1016	Software Design Description
1059	Standard for Software Verification and Validation Plans
1074	Software Development Lifecycle
1471	Software Architecture / System Architecture
12207	Information Technology – Software life-cycle process