ProSidian

End-to-End Data Quality

Risk Management | Compliance | Business Process | Project Management | IT Effectiveness
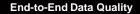
Data is the enterprise's most valuable asset. As organizations look for strategies to manage data as enterprise assets, they need an enterprise data quality approach that ensures their critical information systems produce the highest quality data.

ProSidian Consulting's award-winning Data Quality Improvement Methodology (DQIM) delivers a competitive edge by ensuring not only that data are correct, but that they meet the organization's business needs.

By establishing the necessary governance to institutionalize the value of data quality enterprise-wide, ProSidian Consulting's DQIM promotes continuous improvement of data by means of a structured, repeatable approach. Our solutions include:

- Data Management Baseline Assessment
- Enterprise Data Management Practice
- Enterprise Data Value Chain
- The Five Steps of DQIM
- Continuous Data Quality Improvement

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DATA MANAGEMENT (DM) BASELINE ASSESSMENT

The goal of the DM Baseline Assessment is to develop a catalogue of data management gaps and anomalies — and the extent to which each occurs in relevant data sources across the enterprise.

By evaluating existing data management policies and practices against the relevant industry or government baseline, we can advise the organization on the strengths, gaps, and capability maturity level of these practices compared to internal requirements.

We then develop recommendations for improving the organization's data management infrastructure and policies, data quality principles, data definition standards, and data modeling guidelines towards the goal of an Enterprise Data Management Practice.

The DM Baseline Assessment includes a written interpretation of the results achieved at each level of the analysis and recommendations for future activities. As such, the DM Baseline Assessment serves as the starting point of a comprehensive data quality program.

The goal of any organization's Enterprise Data Management Practice is to achieve a persistent solution to the enterprise-wide data quality challenge.

ProSidian Consulting has extensive experience in this arena and a track record of establishing agency-wide data quality policies and procedures, standing-up data stewardship programs, and implementing the data quality improvement program tailored to fit your organization.

THE FIVE STEPS OF DQIM

ProSidian Consulting uses our unique DQIM to systematically examine mission-critical data elements for abnormalities against valid business rules that dictate when and how the elements are to be properly used.

The methodology entails four unique analysis levels designed to address relevant data quality problems — Assessment, Root Cause Analysis, Correction, and Certification — which, if implemented correctly, lead to the desired fifth level: Continuous Data Quality Improvement.

Analysis entails domain analysis, data quality assurance, structural integrity, business rule compliance, and transformation rule compliance.

CONTINUOUS DATA QUALITY IMPROVEMENT

At ProSidian Consulting, we focus on helping you create clean, high-quality data at the source. Once an assessment has been completed and efforts are begun to improve the data upstream, it is typical to enter an ongoing monitoring phase.

Measurement of key indicators of data quality allows us to gauge the effectiveness of efforts to improve data and detect aberrations that could cause downstream processes to fail.

USING OUR DQIM WE:

- Establish data quality standards and management processes
- Resolve the root cause of non-quality data
- Implement governance to manage data resources as strategic enterprise assets
- Redesign processes to increase simplicity and control
- Standardize data quality improvements across the enterprise

THE RESULT: YOUR ENTERPRISE DATA ACHIEVES A LEVEL OF QUALITY THAT MAKES THE INFORMATION CREDIBLE, WHILE CONSISTENTLY MEETING THE QUALITY EXPECTATIONS OF YOUR BUSINESS PARTNERS AND CUSTOMERS.

PROVEN SUCCESSES ACROSS THE ENTERPRISE DATA VALUE CHAIN

Our approach ensures that you can trust the quality of your data with the quantifiable confidence that comes only from systematic data quality assessment and delivery of consistent metrics (such as Six Sigma). It improves the way businesses create, process, and disseminate mission-critical data.

Enterprise data quality relies on information from many systems, applications, and processes distributed across the enterprise. The accuracy of your metrics is only as strong as the weakest link in your value chain.

ProSidian Consulting provides a framework for assessing enterprise data quality by using our proven methodology to systematically analyze every attribute, record, and data relationship along the value chain. We take an engineering approach toward enterprise data quality that includes:

- Systems flow analysis
- Information and data flow analysis
- Value chain analysis including data stewardship

ABOUT PROSIDIAN CONSULTING, LLC

ProSidian Consulting is an integrated consulting services firm focusing on providing value to clients through tailored solutions based on industry leading practices. ProSidian provides strategically diversified business and technical services focused on Risk & Energy Management, Compliance, Business Process Improvement, Program/Project Management, and IT Effectiveness (Information Technology/Staff Augmentation). ProSidian Consulting is headquartered in Charlotte, NC.   For more information, visit www.ProSidianConsulting.com.