Experiences in Data Quality

ABSTRACT

The MITRE Corporation is committed to helping the Federal government manage its data as an enterprise asset and make the best use of appropriate technologies and services in industry and academia. This presentation will provide an overview of the concepts, methodologies, and policies recommended for facilitating data sharing across and within Federal government agencies and why the quality of data and information is so important decision makers, practitioners and end- users. The presentation will discuss the continuous improvement of data quality by addressing the data quality concerns in legacy systems, system migrations, new systems, system upgrades and the adoption/utilization of SOA, MDM and Cloud Computing. Business implications of poor quality data, along with roles and responsibilities will be discussed as they relate to decision making and data stewardship. MITRE's experience with various agencies will be presented as example. Also discussed will be some MITRE evaluation results of data cleansing, profiling tools and appropriate environments for their application.

BIOGRAPHY

Annette Pence The MITRE Corporation

Annette Pence has more than 30 years of experience with the application of information technology – enabling solutions supporting aerospace, finance, classified command and control, and manufacturing. Her experience managing data spans the entire data lifecycle and includes system design, development, and integration. Ms. Pence is the head of the Information and Data Management Department at The MITRE Corporation's Center for Connected Government. As a Senior Principal, Information System Engineer, with the MITRE Corp., Ms. Pence is responsible for the strategic development and delivery of a targeted set of objectives for government customers, which includes the IRS, DHS, HHS, GPO, Department of Education, HHS and Centers for Medicare and Medicaid. Prior to MITRE, Ms. Pence served as Vice President, Data Management Services Division at Science Applications International Corporation (SAIC), Department Manager, Software Integration and Data Management, for the Reserve Component Automation Systems (RCAS), at Boeing Information Services, and Manager Database Administration for the National Aeronautics and Space Administration, Technical and Management Information Systems (TMIS. Her focus is raising the awareness and furthering the implementation of data management at the enterprise level for government agencies and enabling and facilitating the sharing of information across government agencies. A native of Washington, D.C., Ms. Pence earned a master's degree in Technology Management from George Mason University. During the Technology Management curriculum she was fortunate to study at the Kellogg College at Oxford University. 1















<section-header><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item>

MITRE

8

m. All Righ

© 2010 The MITRE Cor















































