New Initiatives in HUD's Data Quality Improvement Program (DQIP) – Enabling Field Effectiveness

ABSTRACT-----

In 2002, HUD's Office of the Chief Information Officer (OCIO) launched an enterprise-wide initiative, the Data Quality Improvement Program (DQIP), to address HUD's information quality deficiencies. The DQIP goal was to define short- and long-term approaches to identify, assess, and continually improve the overall quality of mission-critical data used in HUD's Annual Performance Plan (APP) reporting.

Recently, the DQIP has been broadening its efforts nationally to ensure that the data quality concerns of HUD's ten major field centers and six principal American territories are also heard. Proposed DQIP initiatives are prioritized according to the severity of DQ problem reports impacting HUD field centers and the benefit a data quality solution would provide to the Department as a whole. A Root Cause Analysis is conducted early on in the process, to determine if the data quality problem can be tied to HUD training, policy, or procedure shortcomings that can be fixed more economically than an intensive data-centric approach.

This added initiative is enabling the Department, in program areas and in Lines of Business (LOBs) areas, to fully understand the accessibility, usability, and contextual clarity of missioncritical data distributed to areas outside of HUD's headquarters, and to provide guidance on improving the retrieval and management of the information used within these areas.

BIOGRAPHY-----

Shula C. Markland

Senior Data Architect/Enterprise Architecture Web Manager Department of Housing and Urban Development

Ms. Markland is the Senior Data Architect in the Office of the Chief Information Officer (CIO) at the Department of Housing and Urban Development. She is responsible for managing the implementation of the Enterprise Information Management Practice throughout the Department. She helped establish the Data Steward Advisory Group to ensure that HUD's data assets are managed as a strategic enterprise



asset. She is also responsible for managing HUD's Enterprise Architecture web site to ensure that relevant information is available on the Internet and Intranet.

Prior to Ms. Markland's current position, she worked as a Computer Specialist in the Center for IT Capital Planning, located within the Office of the CIO, at the General Services Administration. Ms. Markland was responsible for serving on several teams such as the Executive Information Services Team, the Data Warehouse Team, the Quality Assurance Team, and the Y2K Team. She designed and developed the Y2K web page. She also worked in the E-Mail Program Management Office at the GSA, where she was responsible for government-wide electronic messaging. During her tenure at GSA she installed a network for the President's Management Council (PMCNet). The database allows disseminating information across approximately 30

Federal agencies. One of her accomplishments was her 60 day developmental assignment, with the Women's Executive Leadership Program, where she developed a Briefing Memorandum on how the Department of State will implement and maintain the Internet as a communication interface.

Ms. Markland has over five years of technical experience with the private sector, and eighteen years of her career have been with the Federal Government. Ms. Markland started her career with the U.S. Office of Personnel Management, where she was responsible for the quality assurance of the data submitted to the Central Personnel Data File (CPDF). Ms. Markland received her Bachelor of Science Degree in Computer Information Science from the University of MD University College. Ms. Markland and her husband John have three daughters and live in Edgewater, MD.

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. Enterprise Metadata Reposi	tory (EMR)
 EMR is a searchable database containing Initially populated with DQIP artifacts EMR benefits: 	metadata
Benefit	Value
Provide a searchable central store of HUD metadata to discover existing data definitions for reuse in new systems' databases.	Cost savings, decreased development time.
Provide a tool data users need to conduct HUD business.	Better and quicker decision making.
Increase system interoperability and data exchange by increased understanding of the current data assets at HUD.	Better interoperability, cost savings.
Provide HUD data analysis support for meeting new	Quicker response to new







