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*Data Management Program:
Requirements for
Components, Costing and Schedule*

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1.0 Architecture of the Data Management Program

The hallmark of a quality data management program is that data in either of its “real” or many metadata forms is able to be defined once and used many times. The overall goal of an enterprise data management program is to establish a data environment such that data and its supporting metadata is defined in the most efficient and cost effective manner possible throughout the enterprise. This program is squarely positioned within the net-centric environment.

A key characteristic of a quality data is that it is interoperable. Thus, organizations and systems are able to exchange data without any loss of meaning and precision. Because data interoperability is so critical to the data management program, focus to date has concentrated almost exclusively on establishing the data management program exclusively within the requirements of data interoperability.

In support of achieving the goals and objectives of the data management program there must be an overall data methodology and supporting computing environment as well as courses, seminars, workshops, and technical assistance that fully supports the data management effort.

2.0 Adherence to Frameworks

This data management program is set squarely within the Knowledge Worker Framework. This framework is specially designed for the knowledge worker and was specially designed to meet the many reasons for IT system failures enumerated from analyses of large scale IT system failures that were performed by the U.S. General Accountability Office (GAO).

3.0 Adherence to Net Centric Data Goals

The seven net-centric goals that relate to data are:

- Make data visible
- Make data accessible
- Institutionalize data management
- Enable data to be understood
- Enable data to be trusted
- Support data interoperability
- Be responsive to user needs

