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*Data Management Program:
Engineering*

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1.0 Data Management Program

A data management program represents the established policies and procedures intended to control the production and applicability of data standards required to ensure data interoperability among information systems. The data management program addresses data standards creation, implementation, and evolution as it applies to automated systems, applications, data exchanges, databases, record and document management, and information presentation within and across business systems.

The data management program facilitates the dissemination and exchange of information among organizations and information systems throughout the enterprise. A common data management strategy is essential to allowing authorized users to access required information. Enterprise information is a resource and will be shared unless specifically limited by law, regulation, need-to-know, security, or privacy restrictions.

The data management program manages information requirements from data models and business rules within their mission, organization, and functional contexts down to data-element and data-value levels of detail per the policies.

The data management program facilitates interoperability through the standardization and use of common data standards.

The data management program facilitates the specification of standard data management services and conformance test requirements and represents these requirements to data management standards committees, as appropriate.

The data management program improves data quality and accuracy, and minimizes the cost of data production and data maintenance.

The data management program applies to any information system passing information through networks and/or IT assets in the information environment.

The ultimate goal of data standards is the specification, development, management and evolution of interoperable data assets. The process that achieves the necessary planning for interoperable data asset projects, called data management planning, is stratified across the enterprise from the CIO through to the data standards producers. This process is squarely set against data management goals, which are the measures of data asset success.

1.1 Data Standards Management

Data standards (expressed as authoritative data sources (ADS), information exchange standards specifications (IESS), enterprise identifiers (EID), and eXtensible Markup Language (XML) are

