Data Management Program:
Components, Descriptions, and Costs

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# Table of Contents

Acknowledgments .................................................................................................................. iii

1.0 Data Management Program Components and Descriptions .............................................. 1

2.0 Data Management Program Component Development and Delivery ............................... 7

3.0 Data Management Component Delivery Costs ................................................................. 10
   3.1 Specific Course Costs, Target Audience, Duration, and Quantity of Students .................. 10
   3.2 Prototypical Database Project (400 Tables) ................................................................. 12
      3.2.1 Staff Requirements .......................................................................................... 12
      3.2.2 Data Management Component Delivery ......................................................... 12

4.0 Metadata Repository Development .................................................................................. 14

5.0 Contrast: Data Driven Vs Process Driven ......................................................................... 15

6. Applicability to Prototypical System .................................................................................. 16
   6.1 Cost of Data Model Development ............................................................................. 16
   6.2 Cost of Prototypical System Software ..................................................................... 16
Acknowledgments

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# Data Management Program Components, Descriptions, and Costs

## 1.0 Data Management Program Components and Descriptions

<table>
<thead>
<tr>
<th>Data Management Component</th>
<th>Description</th>
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<tbody>
<tr>
<td>Achieving Data Standardization</td>
<td>This material presents an analysis of the problems that undercut data standardization with respect to standard values and standard metadata. This material presents an approach, meta models, and a work breakdown structure that can be used to implement data standardization projects within the enterprise.</td>
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<tr>
<td>Data Model Evaluation</td>
<td>This material presents a workplan for evaluating data models that may exist in previous efforts or that may be under evaluation during a software package procurement effort.</td>
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<tr>
<td>Data Integrity Rules Definition and Management</td>
<td>The data integrity rules materials identifies a set of rules that govern the transformation of database data across seven distinct classes.</td>
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<td>Data Management</td>
<td>This material contains a comprehensive set of material on data management. Covered are basic terms, data as executed policy, enterprise database principles, the Knowledge Worker Framework, Missions, database objects, business information systems, business organizations, business functions, database management systems, data architecture types, data standardization, database projects, metadata repositories, information systems planning and project management.</td>
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<tr>
<td>Data Architecture Classes</td>
<td>This material presents the five classes of data architecture that are commonly found in large organizations. Provided also are examples and characteristics of each.</td>
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<tr>
<td>Database Project Estimation</td>
<td>This material presents the first critical steps in any database project: work plan development and project estimation. This material uses the methodology work breakdown structure coupled with unit effort estimates, work environment factors and product type quantity estimates (for example, average number of columns per table) to arrive a highly accurate project plan, estimate, schedule, and resource assignments.</td>
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