



Big Data for Government Symposium

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DoD Decision Making through Information and Data Management

AIE Government Big Data Symposium

June 17, 2014

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Acquisition, Technology & Logistics
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The Reason We Serve



Remember those who
serve...



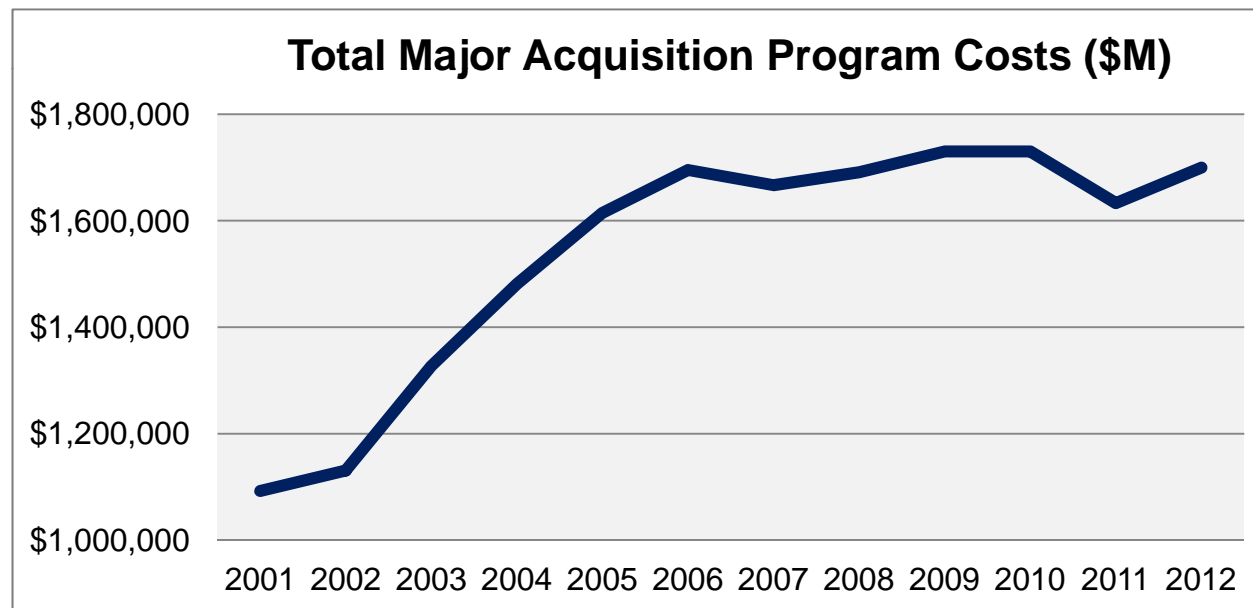
Remember those who
made the ultimate
sacrifice...



Remember those who pay
the bills



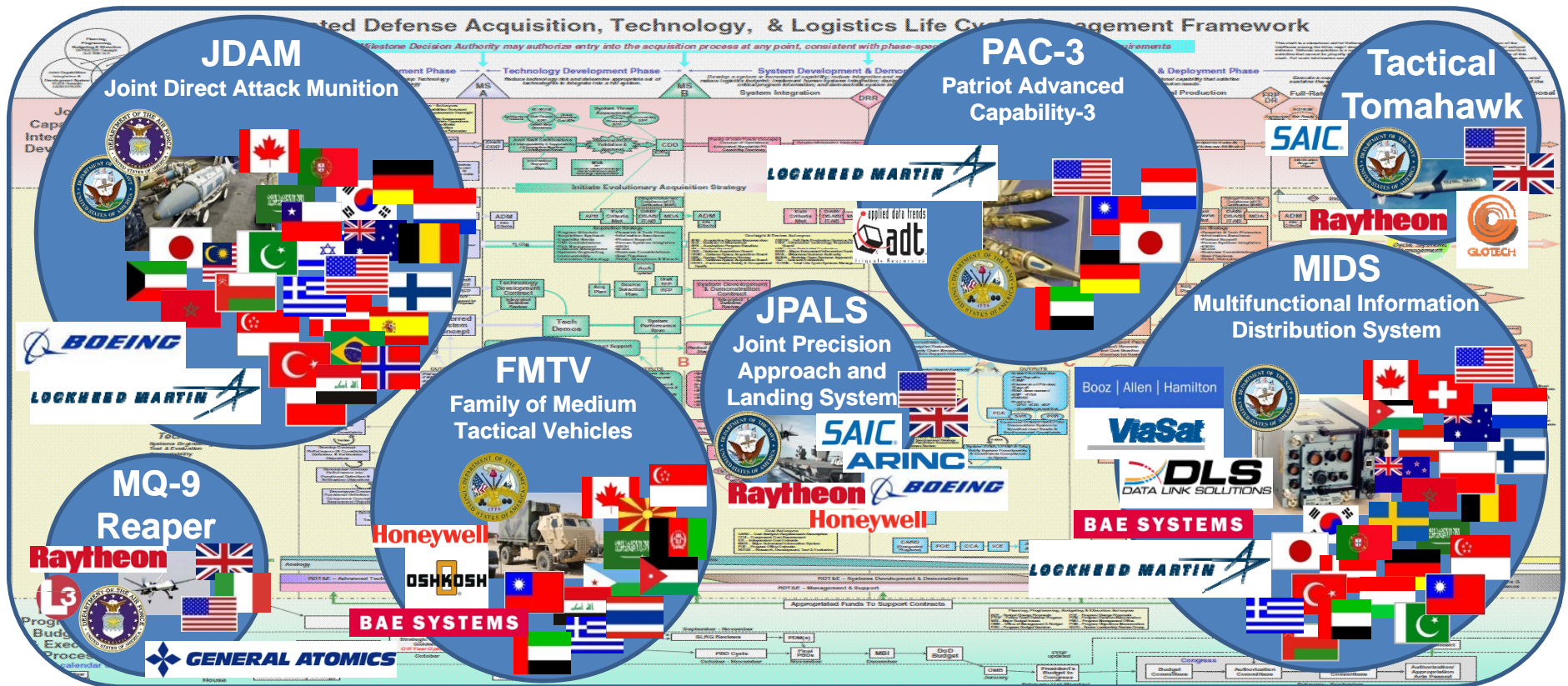
Meeting the Nation's Needs Requires Resources



Major Defense Acquisition Programs (MDAPs), including Major Automated Information Systems (MAIS), are resource intensive and complex to manage



Missions, Programs, and Portfolios Are Complex





Extreme Downward Pressures on Resources

Defense Department budget unveiled; takes fire from all sides

Workers at the US Government Printing Office monitor volumes that are part of the 2014 Budget, Monday, April 8, 2013, in Washington, D.C. President Barack Obama released the 2014 spending budget on April 10.
OLIVIER DOULIERY, ABACA PRESS/MCT

By Chris Carroll and Leo Shane III

Stars and Stripes

Published: April 10, 2013



WASHINGTON — In President Barack Obama's belated \$527 billion base defense budget request, political peace broke in Washington, and Pentagon funding rides

Now, back to reality.

The Pentagon on Wednesday unveiled Obama's belated \$527 billion base defense budget for next fiscal year. But lawmakers on the right savaged the document for days leading up to the public unveiling, seeing the spending as little more than a fiscal fantasy.

Experts noted that the proposed budget

- Ignores deep sequestration cuts mandated by federal law, which if left unchanged, slash almost \$52 billion — nearly 10 percent — from the numbers issued Wednesday.



U.S. DEPARTMENT OF DEFENSE

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IMMEDIATE RELEASE

Release No: 223-13
April 10, 2013

DOD Releases Fiscal Year 2014 Budget Proposal

President Barack Obama today sent to Congress a proposed discretionary budget authority to fund defense programs in the base

The budget continues the department's commitment to good stewardship of resources, including consolidation of defense infrastructure, instituting a military treatment facilities, and terminating and restructuring lower-priority weapons programs. The budget slows the growth of military pay and benefits while continuing to support the All-Volunteer Force.

The proposed FY 2014 budget continues the implementation and deepening of program alignment to the department's strategic guidance released in January 2012, "Sustaining U.S. Global Leadership: Priorities for 21st Century Defense." It continues plans to reduce the size of military forces, consistent with the new strategy. It also seeks to create military forces that are ready and capable across the spectrum of military missions.

The budget makes a continued commitment to the department's people, who remain central to DoD's mission. The proposal requests funding to ensure that U.S. personnel are well-compensated and properly equipped, trained, and led. We will also continue to invest in critical programs for areas such as transition assistance, wounded warriors, suicide prevention, and sexual assault prevention and response.

Pentagon Unveils \$527B 2014 Budget



Apr 10, 2013 | by Brendan McGarry

The U.S. Defense Department announced a \$527 billion base budget for 2014 that would limit pay raises for military personnel, cancel and delay some weapons systems, and improve missile-defense sites to counter threats from North Korea.

The spending plan, unveiled April 10 -- two weeks before the automatic, across-the-board sequestration plan. Yet with the sequester in place, the budget is a stalemate on Capitol Hill.

won't get anywhere in Congress, especially the House.

The budget reflects the Obama administration's military priorities for five-year period ahead. It supports last year's strategy to shift emphasis to the Air Force and less for the Army, while acknowledging the budget impasse in Washington.

"Training cutbacks, civilian furloughs, deferral of equipment and facility conservation, contract inefficiencies, and curtailed deployments will be necessary," Defense Secretary Chuck Hagel said in a statement.

The Defense Department's so-called base budget doesn't include the war in Afghanistan.

The White House's \$3.77 trillion federal budget assumes lawmakers will pass sequestration, including reducing automatic defense cuts over the next five years from \$500 billion, according to a fact sheet from the White House. That would be a significant shift from the current path.

later in the decade.

US Department of Defense FY 2014 Budget: After a Year of Drama, Budget Chairs Prescribe Sequester Painkiller

Dec 17, 2013 21:50 UTC by Defense Industry Daily staff

Latest update [?]



Dec. 12-17/13: The House passes a continuing resolution for FY2014 (H.J. RES. 59) with broad bipartisan support, as the 332-94 roll call shows. Paul Ryan and Patty Murray, the budget committee chairs in both chambers, had been working on a deal that can pass not just in one half of parliament, unlike many other bills stuck to preaching to their partisan choirs. This is a... [\[click to expand +\]](#)

Keep reading for the whole story with recent events put in context

By releasing its budget proposal for fiscal year 2014 in mid-April, the Obama administration was two months over the legal deadline and later than at any time in the modern record. The Office of Management and Budget (OMB) reiterated the gambit that failed and arguably backfired in the previous fiscal year by ignoring the sequester. In place, President Obama put again on the table the broad terms he had offered earlier to House Republicans, with a mix of spending cuts (translation from Washington lingo: mostly a decrease in the rate of real growth) and tax increases. At the time that was received by most observers as a lack of realism, making the budget request at best relevant in

The Solution: Data-Driven Decisions

Mission



Provide leadership timely access to accurate, authoritative and reliable data supporting acquisition **oversight**, **analysis**, and **decision-making**



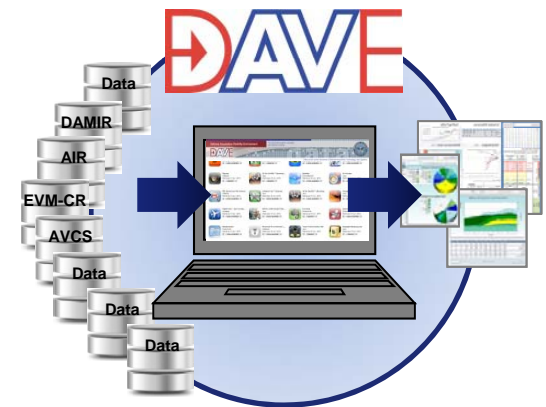
Goals

#1: Data Stewardship — Agreement and accountability for definitions and authoritative data

#2: Data Access — A single, intuitive interface for all data

#3: Data Science — Insight to help add perspective to use of the data

Vision



A Mature Data Analytics Capability for Acquisition Insight and Management



The Solution: Federation and Partnerships

Federated
Authoritative
Data



Collect &
Assimilate



APIs
Direct Input
Pub/Sub

Integration
Partners



Share

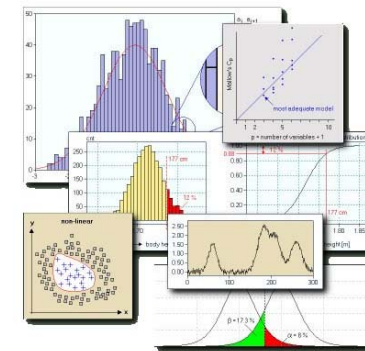


Flat Files
APIs

Leadership,
Analysts



Analyze &
Make Decisions



Many Tools

Leverage Existing Data. Build Once. Use Many Times in Many Ways.



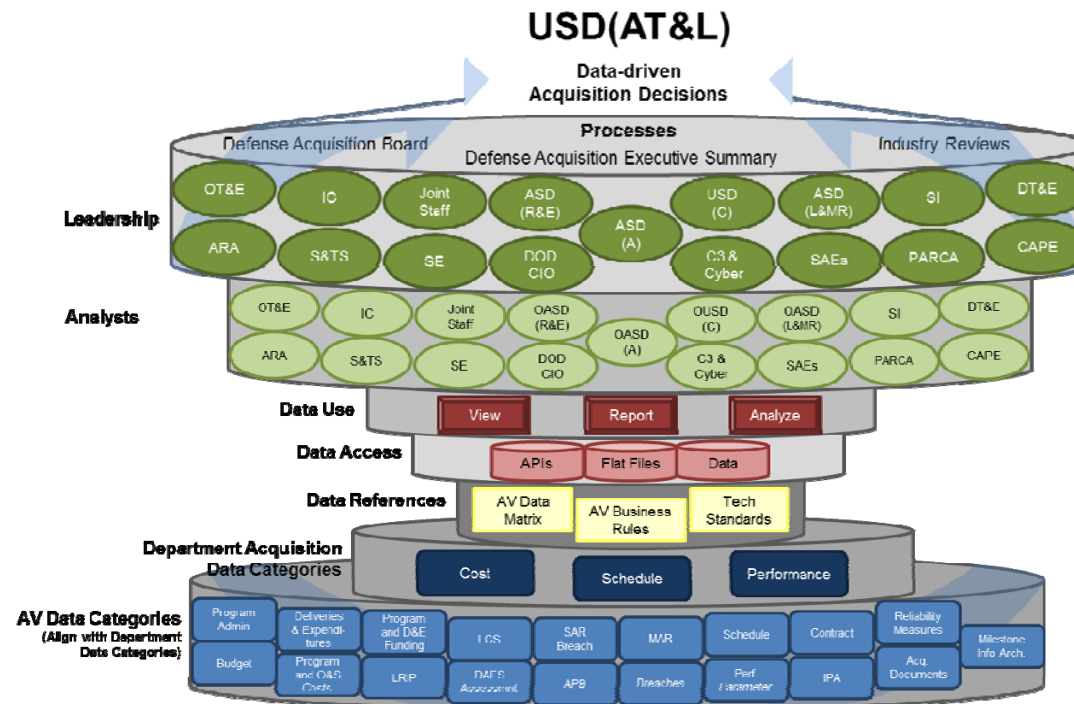
Support to the Under Secretary for Acquisition, Technology & Logistics

What ARA Does

Provides Stewardship

Timely Access

Accurate, Authoritative, and Reliable Data and Information



How It Is Used in AT&L

Decision-making

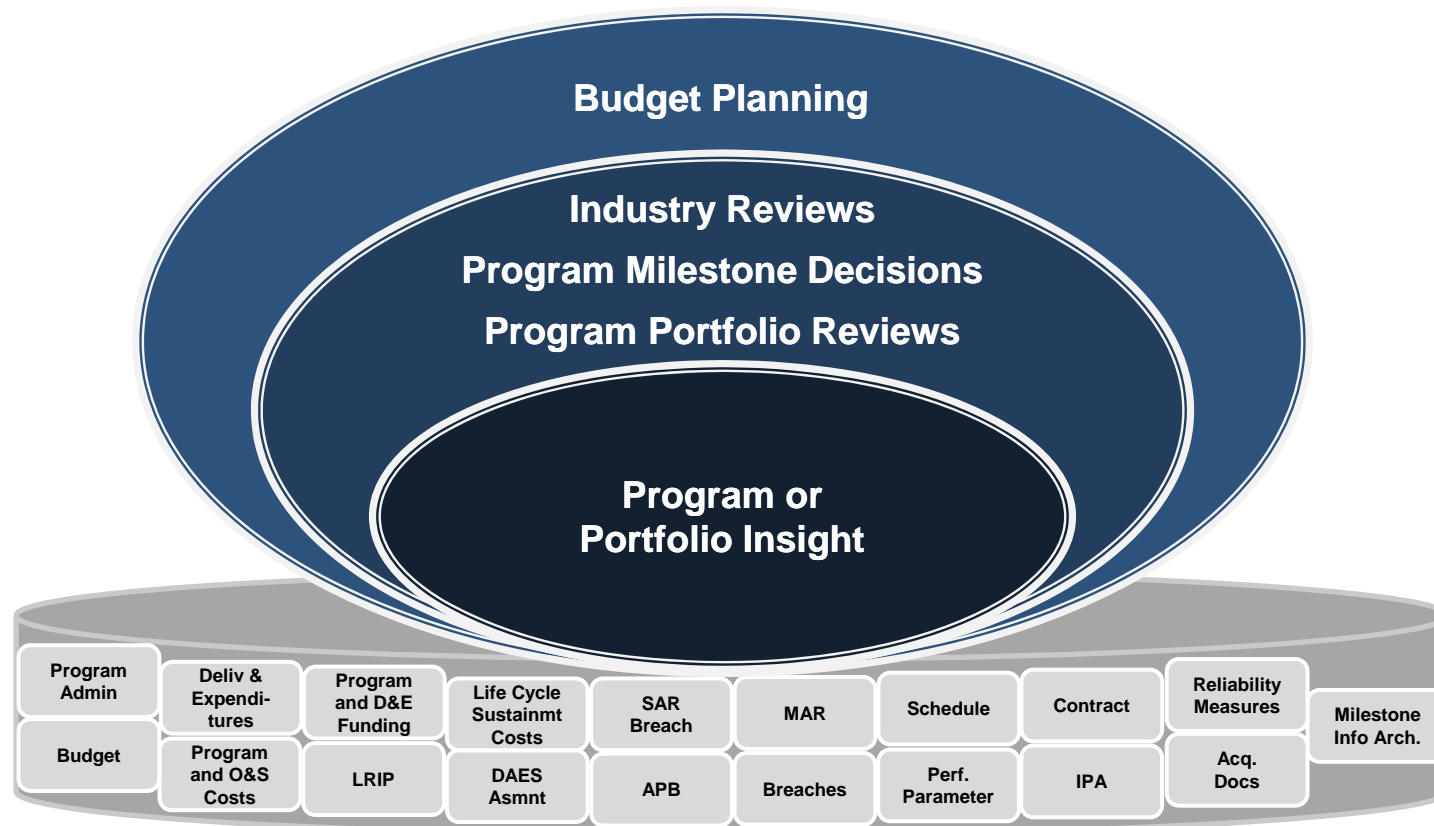
Analysis

Data Management

DAVE is Acquisition Data Management – and the centralized source of Acquisition data for the Department



Decision and Insight Points – Under Secretary for Acquisition, Technology & Logistics





Data Needs of the Components and Congress

Component and Program Management Data – Internal Needs

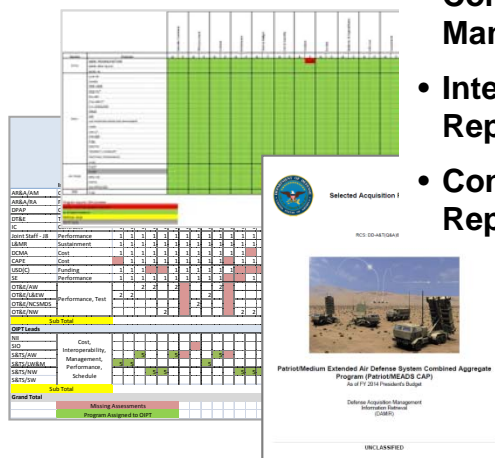


Reporting Capability – Response to OSD and Congressional Information Requirements

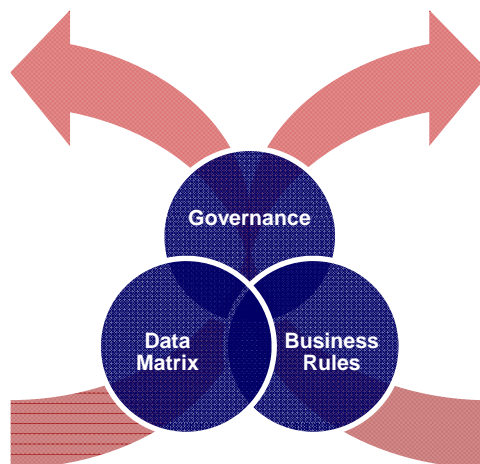


How We Support the Acquisition Community

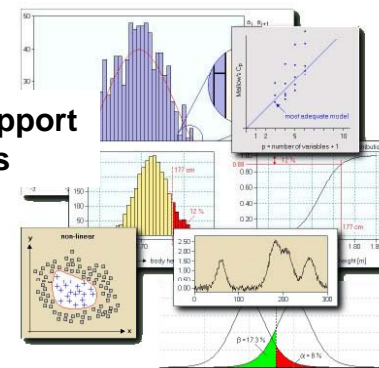
- Compliance Management
- Internal DoD Reporting
- Congressional Reporting



Authoritative
Structured Data



- Analytic Support
- Data Access



Authoritative
Unstructured Data

Data stewardship and guiding artifacts support AT&L oversight, analysis, and decision-making



Where Are We Going

Defense Acquisition Visibility Environment For improved analysis, oversight and decision-making

DAVE

Office of the Under Secretary of Defense Acquisition, Technology, and Logistics

Welcome to the Defense Acquisition Visibility Environment (DAVE)!
The Defense Acquisition Visibility Environment (DAVE) is OUSD AT&L's link to Acquisition Enterprise Information. DAVE provides timely access to accurate, authoritative, and reliable data supporting acquisition oversight, analysis, and decision-making.

Acquisition Visibility (AV) Objectives:

- Define and govern – agreement and accountability for definitions and authoritative data
- Make data available and easy to access – a single, intuitive interface for all data
- Provide tools to use, report and analyze data – ability for quick delivery and use

Operational View:
DV-1-14.pdf

HOT Information and Emerging Capabilities
Acquisition Visibility Data Matrix (AVDM) - Do you need to know data definitions for critical Acquisition decision-making data? The AVDM lists key data that has been vetted by the data owners
AVDM 0.6 Book.pdf

Simplified AV/Help Desk Email Addresses - Having trouble remembering the long post-DEE migration email addresses for AV contacts (e.g., DAMIR and AIR help desks)? Use the new, simplified email aliases!
AV Email Aliases Memo.pdf



- Evolve **Usability**
- Deliver **Capabilities** that increase analytical depth and efficiency. E.g.,
 - Affordability
 - Obligations & Expenditures
 - Additional Document Types
- Reduce **Component Burden**
- Mature **Data Framework**
- Launch **Integrated Environment**
- Expand **Data Science** Capability
- **Integrate Cost Analysis** and Acquisition Information
- Deploy Multi-facet **Analysis Capability**



**“IN GOD WE TRUST, ALL OTHERS
MUST BRING DATA”**

W. EDWARDS DEMING