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DoD Decision Making through Information and Data Management

AIE Government Big Data Symposium
June 17, 2014

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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

By Chris Cramm and Leo Shane III
Stars and Stripes
Published April 16, 2013

WASHINGTON — In President Barack Obama’s 2014 budget request, political pressure were building in Washington, and Pentagon funding rides now, back to reality. The Pentagon on Wednesday unveiled the $857 billion base defense budget for next fiscal year. But lawmakers on both sides of the aisle are savaging 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 made federal law, which left almost $32 billion in defense spending.

The budget continues the department’s commitment to good fiscal practice in the budget, including continued investments in the military’s personnel and ready infrastructure.

The proposed FY 2014 budget continues the implementation and deployment of national security programs, including the joint strike fighter, the F-35, and the Global Hawk unmanned aircraft system.

The White House said the budget is a $377 billion federal budget, which includes the department’s share of the fiscal year 2014 budget.

"The budget continues the department’s commitment to good fiscal practice in the budget, including continued investments in the military’s personnel and ready infrastructure," Obama said in a statement.

The Defense Department requested $377 billion in fiscal year 2014, according to a fact sheet from the White House.

Keeping that promise, the budget proposes to cut $377 billion in fiscal year 2014 defense spending.

The House passed a continuing resolution for FY 2014, with $377 billion in defense spending for the fiscal year.
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

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

USD(AT&L)

- Data-driven Acquisition Decisions
- Defense Acquisition Executive Summary
- Industry Reviews

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

6/26/2014
How We Support the Acquisition Community

- Compliance Management
- Internal DoD Reporting
- Congressional Reporting

Governance

Data Matrix

Business Rules

Authoritative Structured Data

Authoritative Unstructured Data

Data stewardship and guiding artifacts support AT&L oversight, analysis, and decision-making
Where Are We Going

- 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