June 2009 ISPA/SCEA Professional Development and Training Workshop

Sourcing Strategy Best Practices – Bringing Spend Analysis to the DoD

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St. Louis, MO June 2009

Agenda

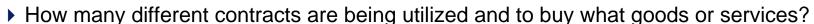
- Purpose and Benefits
- History
- Frameworks
- ▶ Case Study: Commercial SATCOM Spend Analysis

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I know my organization is spending millions of dollars, but...

- What goods or services are being purchased?
- Who are my suppliers?
- Who are my consumers?
- Are expenditures consistent with policy?
- Are expenditures cost effective?
- What trends are being experienced?









The solution is "SPEND ANALYSIS" – a tool providing knowledge of what is spent, with whom it is spent, and how it is spent

Spend analysis provides benefits in three major areas:

Identify Cost Savings Opportunities

- Aggregating demand across an organization
- Optimizing number of suppliers
- Consolidating contracts
- Identify high-cost procurements by comparing against industry benchmarks
- Reveal strategic contracting opportunities (e.g., multiyear contracting)

Identify Potential Risks

- Limited competition among suppliers
- Low/variable demand
- No contract in place
- Maverick spending
- Poor inventory management
- Budget non-compliance
- Policy non-compliance

Support Regulatory Compliance and Planning

- Auditable record of expenditures
- Sarbanes-Oxley (SOX) compliance
- Small Business
 Administration interests
- Budgetary and planning assistance

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Many Fortune 500 companies have realized tremendous benefits through effective spend analysis

Benefit

Anecdote

<u>Impact</u>

Identify Cost
Savings
Opportunities



Hasbro consolidated to a single supplier of temporary personnel after spend analysis revealed 17 suppliers for 7 locations

- Hasbro negotiated an overhead rate
 45% lower than previously obtained
- Reduced temporary labor spending from \$5M to \$4.3M

Identify Potential Risks

BRITISH AIRWAYS

British Airways employed spend analysis to identify savings opportunities through preferred suppliers

- Maverick spending reduced
- Solution ensured orders were sent to the proper supplier for the right goods, at the negotiated price

Regulatory
Compliance and
Planning



Chevron, using a COTS spend management tool, was able to correct deficiencies in its financial data management

- Chevron developed custom solutions to meet SOX requirements
- Solution provided the ability to report and manage, proving compliance

Various Government Accountability Office (GAO) studies advocate spend analysis as a best practice for Government

Report: Taking a Strategic
Approach Could Improve
DOD's Acquisition of Services

Conclusion: Leading companies reengineered their approach to buying services with great success by taking a strategic approach to spending

Report: High-Level Attention
Needed to Transform DOD
Services Acquisition

Conclusion: DOD should promote use of best practices such as centralizing key functions, conducting spend analyses, reducing purchasing costs, and improving performance

2002 2003 2004 2005

Report: Improved Knowledge of DOD Service Contracts Could Reveal Significant Savings

Conclusion: Leading companies have saved billions of dollars by developing companywide spend analysis programs and service contracting strategies; DOD could benefit from such practices

Report: Using Spend Analysis to Help Agencies Take a More Strategic Approach to Procurement

<u>Conclusion</u>: Having adopted spend analysis, some agencies have made good progress obtaining knowledge and improving their spending for goods and services

Recent DoD, OMB, and Congressional direction require continual data collection and spend analyses as part of the Government's strategic sourcing effort



THE UNDER SECRETARY OF DEFENSE

3010 DEFENSE PENTAGON WASHINGTON, DC 20301-3010

"[Senior Officials shall] monitor required data collection and conduct periodic spend analyses."

January 6, 2006 – Congress directs DoD to perform a complete spend analysis of its commercial SATCOM procurement October 2, 2006 – DoD provides revised services acquisition policy – including spend analysis language – to be included in the next revision to the DoD Instruction 5000.2

NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2006

"The Secretary of Defense shall, as part of the effort of the DoD to develop a revised strategy...perform a complete spend analysis of the acquisitions of the Department..."



EXECUTIVE OFFICE OF THE PRESIDENT OFFICE OF MANAGEMENT AND BUDGET WASHINGTON, D.C. 20503

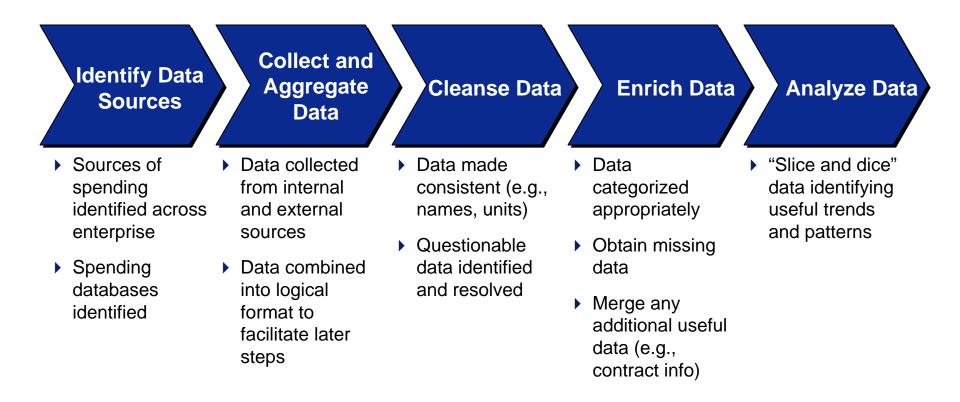
"Each agency's CAO, CFO, and CIO are responsible for the overall development and implementation of the agency strategic sourcing effort, which begins with a spend analysis and identification of commodities for which strategic sourcing should be implemented."

May 20, 2005 – Office of Management and Budget (OMB) releases memo outlining strategic sourcing efforts and the role of spend analysis in support of these efforts

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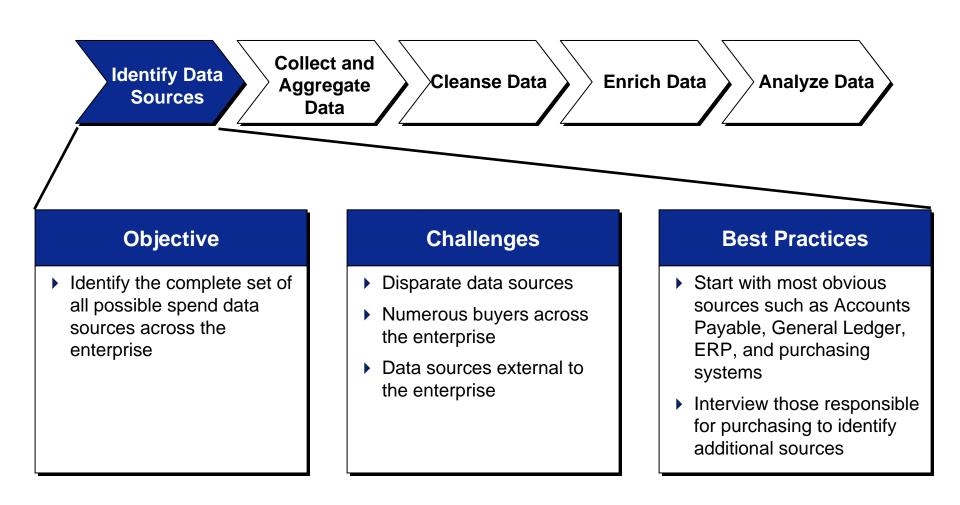
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The basic spend analysis framework consists of five steps

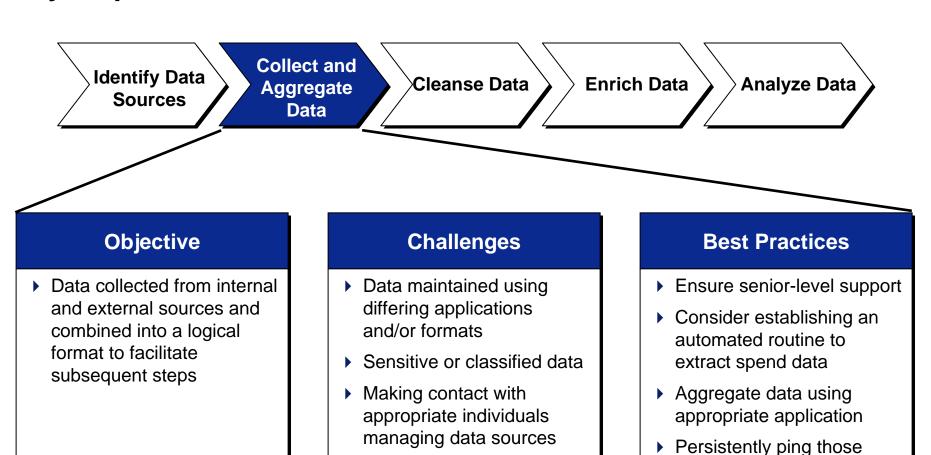


Different permutations of this basic framework exist, but at the core, essentially the same tasks are executed

Identifying a complete set of spend data sources is critical to producing useful results

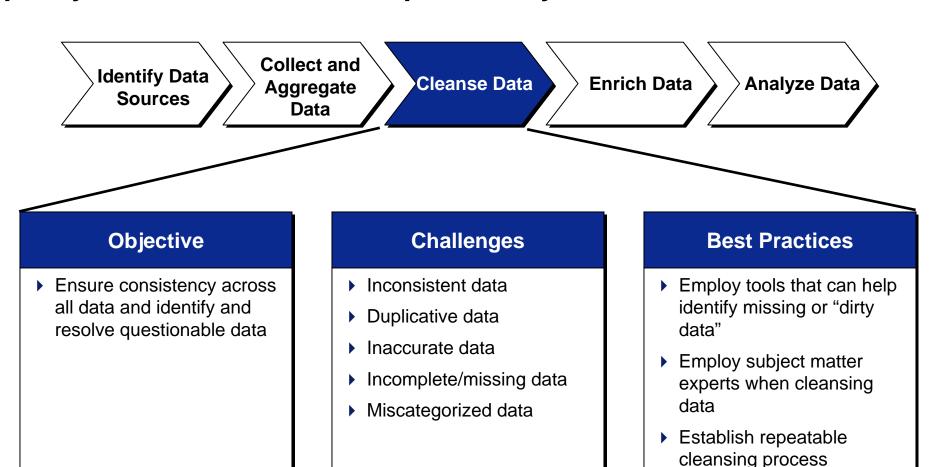


Data collection can be the most time consuming step in the spend analysis process

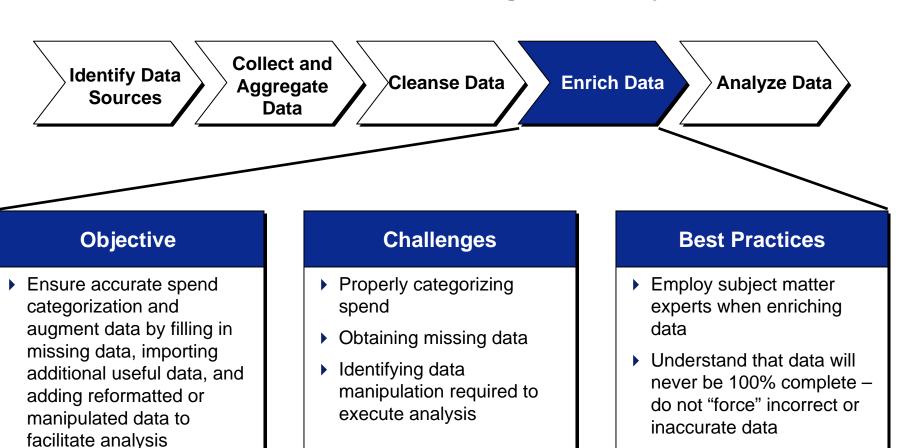


managing data sources

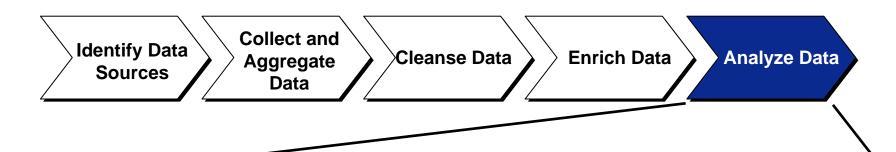
Cleansing data is necessary – data integrity directly impacts the quality and effectiveness of spend analysis



Data must be enriched to facilitate insightful analysis



Analyzing the data provides an understanding of spending patterns that can be acted upon



Objective

 Analyze the data to determine spend across various metrics, as well as trends in the data

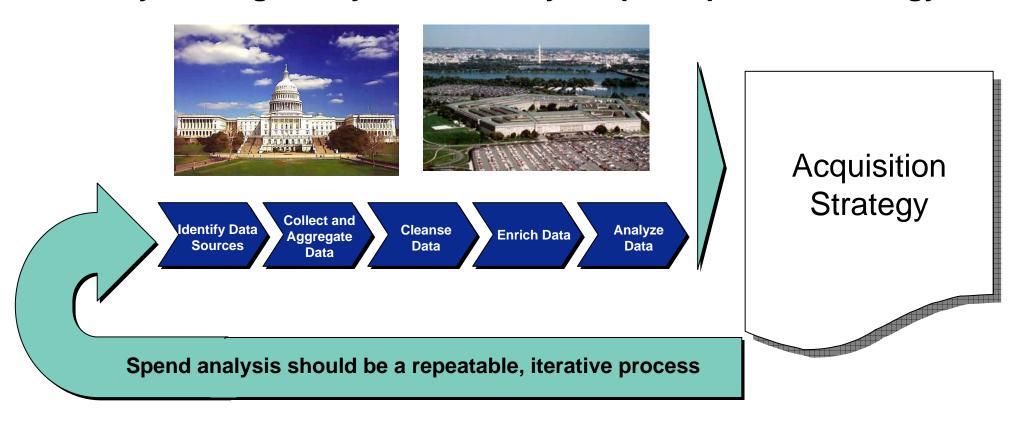
Challenges

- Identifying pertinent analyses and results
- Abundance of data can be overwhelming

Best Practices

- Leverage industry benchmarks
- Employ reporting and analysis decision support tools
- Understand when a custom solution is required vice a COTS solution

Information gleaned from continual spend analysis, along with statutory and regulatory realities, may shape acquisition strategy



Over time, the spend analysis process should become more refined and more efficient

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In Section 818 of the National Defense Authorization Act (NDAA) for Fiscal Year 2006 DoD was tasked by Congress to perform a spend analysis of commercial SATCOM acquisitions

- ▶ Perform a complete spend analysis of all commercial SATCOM services by the DoD from fiscal year 2000 through fiscal year 2005 and report on an acquisition strategy
 - Based on the spend analysis
 - Considers aggregating purchases and leveraging purchasing power
 - Includes multiyear contracting, or a statement of rationale why multiyear is not used
 - Proposes any required legislative action
- Report due to Congress within five months of enactment of NDAA
 - Fifty percent of DISA's Fiscal Year 2007 budget to be withheld until report submitted to Congress

Several misconceptions existed among various DoD and commercial stakeholders regarding DISA's procurement of commercial SATCOM

Misconception

- DISA's fixed satellite services contract vehicle, the DISN Satellite Transmission Services – Global (DSTS-G), with an intermediary procuring bandwidth on behalf of DoD is more expensive than other contracting alternatives
- DSTS-G contract vehicle is inflexible multiyear contracting options could offer additional cost savings

 DISA's excessive fees make it more expensive than other contracting alternatives

Spend Analysis Objectives

- Compare DSTS-G costs to other contract vehicles, as well as market averages
- Identify drivers and prevalence of cost discrepancies
- Compare cost of multiyear versus multiple year versus single year

 Compare cost savings achieved using DSTS-G to fees imposed by DISA A robust spend data call effort was executed to collect the requisite data

- Prepare data collection template
 - Identified 44 data elements vital to satisfying spend analysis objectives
- Broad data call
 - DD350 and INPUT databases leveraged to identify data call recipients
 - Direct data call sent to over 200 DoD contracting offices
 - ASD(NII) officially tasked the heads of the CC/S/As to distribute data call
 - Top contracting offices identified contacted directly to request response
- Data collection and consolidation
 - 73 responses were collected, representing over a billion dollars in spend over 6 fiscal years
- Comprehensive data cleansing/enriching
 - Validate to ensure relevancy, accuracy and completeness
 - Standardize nomenclature
 - Verify content with SMEs as needed

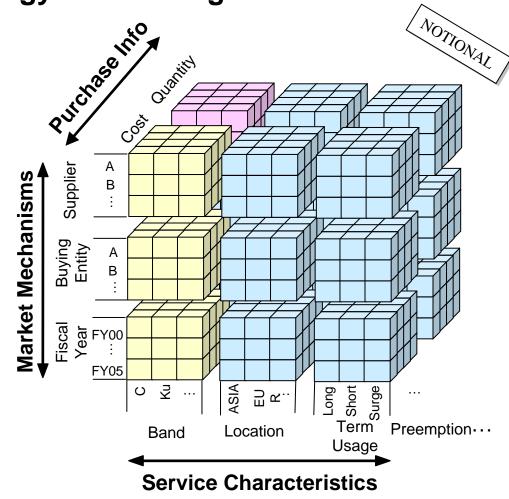


Effective analytics required informed, market specific analyses dependent upon industry technology and client goals

- Appropriate spend/quantity segmentation
 - E.g., geography, buyer, supplier, technical specifications, product type
- Time phasing of services provisioned
 - E.g., spend vs. obligations
- Appropriate cost normalization
 - Provide a means for apples to apples comparison
- Rigorous analysis
 - Identify spend/usage profile, trends over time, costeffective procurement avenues

100,000's of possible combinations exist... and each combination may require hundreds of calculations

With regressions, cross-segmentations, and crosscorrelations within a framework dimension, <u>billions</u> <u>of calculations are possible!</u>



A systematic approach was needed to make sense of all possible analytic avenues and meet client objectives

Spend & Usage Profile

- Determine broad expenditure and consumption profile
- Identify where primary spend is, for what, by whom

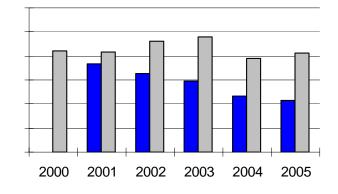
Comparative Analytics

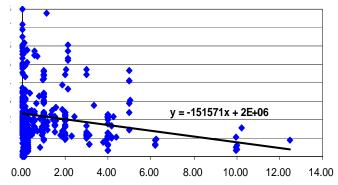
- Assess pricing across suppliers, programs, or contract vehicles
- Determine most cost effective procurement avenues

Strategic Analyses

- Determine cost drivers and formulate cost estimating relationships
- Identify opportunities for consolidation and leveraging of buying power

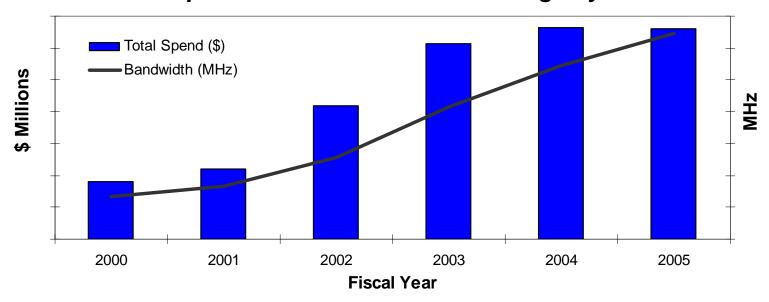
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Sum of Cost	satop	
CostType	Vendor 1	Vendor 2
HNA\$		\$ 1,411,29
LTerm\$		
M&C\$	\$ 18,728	\$ 1,057,845
Other\$	\$ 796,840	\$ 37,116
PEquip\$	\$ 33,150	\$ 60,37
Space\$	\$ 58,456,630	\$ 194,553,4
Total\$	\$ 104,521,496	\$ 200,210
TP\$	\$ 1,898,091	\$ 3,16
TPEyrs	\$ 45	\$
Grand Total	\$ 165,724,979	\$ 400





Spend Analysis Findings: Bandwidth Increasing while Expenditures Level Off

Total Expenditures and Bandwidth Usage by Fiscal Year

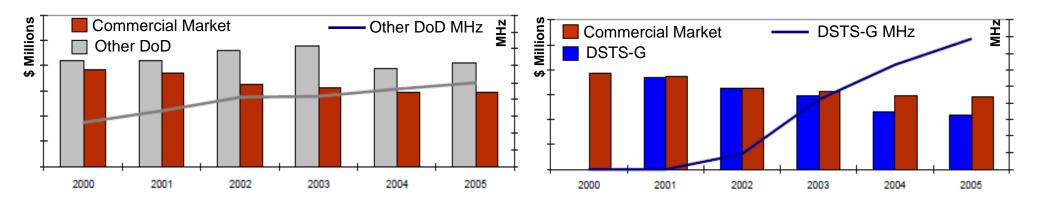


- ▶ Expenditures have begun to level off, yet bandwidth usage continues to grow
 - Per unit costs decreasing

Spend Analysis Findings: DSTS-G is Effective, Realizing Prices Below Market Averages and Other Contract Vehicles

While average transponder equivalent (TPE) cost and bandwidth volume remained flat for non-DSTS-G procurements...

...the increase in DSTS-G bandwidth volume has correlated to a decrease in TPE cost



- DSTS-G contract vehicle has historically realized better pricing than other DoD vehicles and market averages
- DSTS-G leverages its competitive construct and DoD's buying power to achieve pricing efficiencies

leadership and to Congress well before the due date.

Well done.

Please pass on our appreciation.

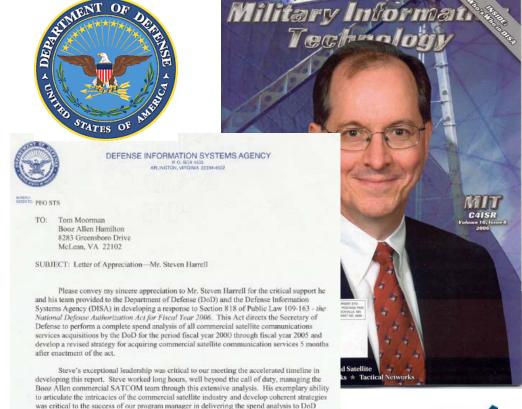
Steve is a true professional, and we are proud that he is a member of the DISA team.

DISA and its Booz Allen team received significant accolades as a

result of Section 818 efforts

 OSD(NII) GS15 feedback – "Best piece of work ever produced by DISA"

- Congress Released remaining 50% of DISA's FY07 budget
- Director of DISA Personalized letters of appreciation for key Booz Allen staff
- Recognition from the Satellite Industry Association (SIA)
- Coverage in Military Information
 Technology Magazine





Contacts for additional information on spend analysis

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