United States Air Force





The Power of Information: **Modernizing Our Digital Forecast Adaptive Foundations for Foreign Military Sales** The views expressed are those of the authors and do not reflect the official guidance or position of the United States

Government, the Department of Defense the United States Air Force or the United States Space Force.

Schatten Douglas Contracting eBusiness 16 April 2024

Agenda

- Scope
- Data Analytics / Data Visualization
- Good Data Visualization vs Data Management
- Data Analytics vs Business Intelligence
- Foreign Military Sales (FMS) Integration Systems Data Flows
- FMS Action Plan Execution Overview
- Adaptive Opportunities: Policy
- Identified Systems Overview
- Conclusion







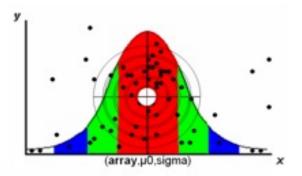




Foreign Military Sales (FMS)-Acquisition Integration System

Purpose: Demonstrate projected Foreign Military Sales (FMS)-Acquisition Integration System solutions to provide acquisition lifecycle visibility of Major Defense Equipment (MDE) deliveries

- Requirements for a system demonstratior
 - Demonstrate a target solution to associate data with FMS case identifier/case lines
 - Demonstrate a target solution to integrate FMS lifecycle acquisition data
 - Demonstrate a target prototype dashboard to visualize the integrated data



· Create actionable Visibility / Data Transparency of Investments

· Identify OPPORTUNITIES to deliver capabilities to the Joint Warfighter

- Assist in constructing Key Performance Indicator (KPI)

"The more we can see, the less we have to own to be in control." John A. Deighton





Data Analytics / Data Visualization

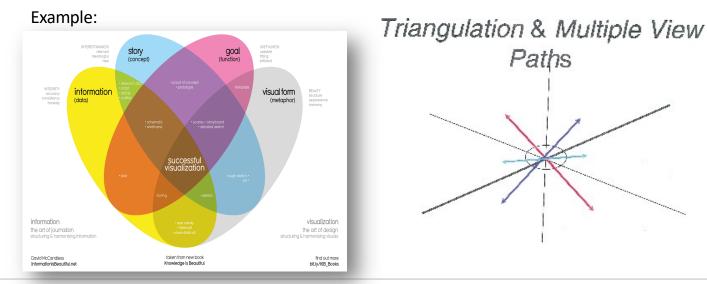






Data Visualization vs Data Analytic Triangulation

- Using 'Tools not Rules' for enabling visualization of data that will only be as effective as the thought and preparation put into it.
- Data analytic triangulation performed allows for the creation of the data set being visualized from multiple view paths.

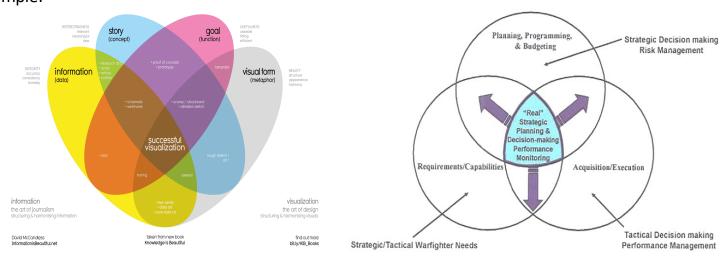






Good Visualization vs Data Management Processes

Develops data visualizations using the Big "A" strategic/tactical decisionmaking processes.



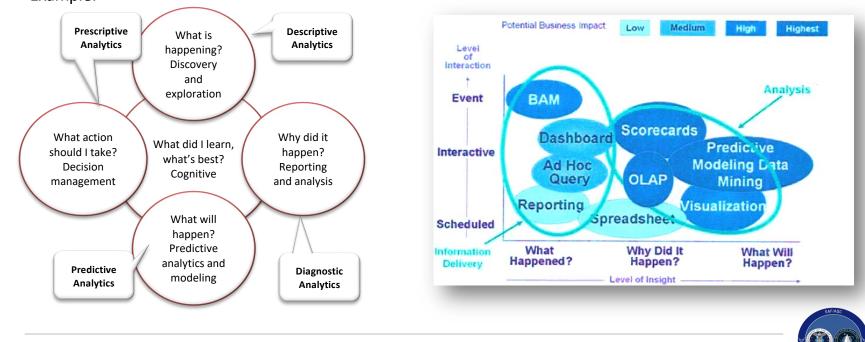






Data Analytics vs Business Intelligence Capabilities

Develops data visualizations from questions using state-of-the-art technologies. Example:



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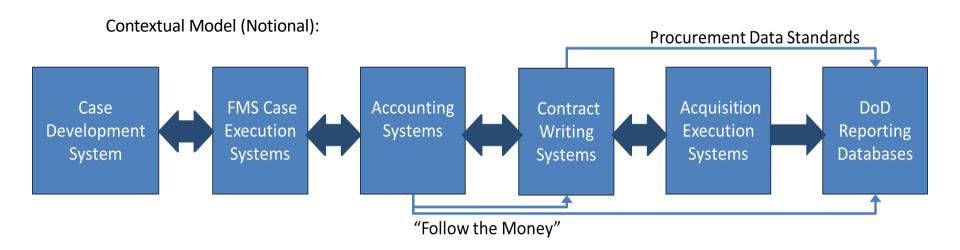
Foreign Military Sales Integration Systems Data Flows







Foreign Military Sales (FMS)-Integration Systems Data Flog



"The more we can see, the less we have to own to be in control." John A. Deighton





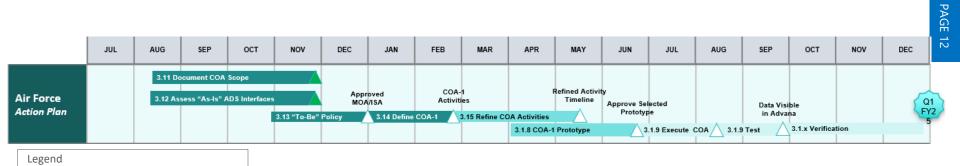
Foreign Military Sales Action Plan Overview







Foreign Military Sales (FMS)-Action Plan Execution Overview



Multiple Date Task Accomplished:

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- Identified needs and expectations.
- Developed Executable Action Plan.
- Published Contracting Data Access and Security Policy memorandum

Next Steps:

- Contract Mapped Fields (TT-058 Data)
- Formalize Memorandum of Agreement & Interconnection Security Agreement document (in progress)*
- Verify that FMS data is visible in DoD dashboard (in progress)*prototype
- Continuous Process Improvement
 - **Transferration of the second second**





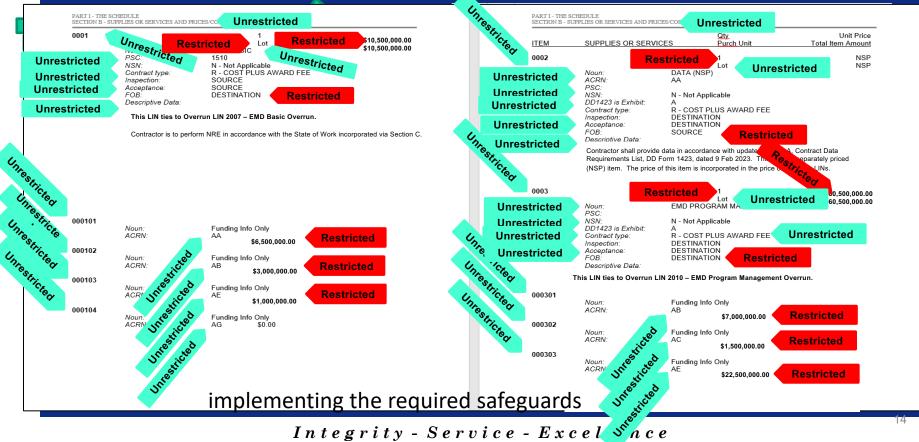






A Contract As Most People See It Continuous Process Improvement of Data Access & Security Policy Unrestricted & Restricted







Keys Improving Contracting Data Access and Security Policy



- Executive Summary
- Contracting Data Sets for Defined User Groups
- Suggested Contracting User Groups for Business Intelligence
- Unrestricted or Restricted Contracting Data Element Mappings

<u>Unrestricted or</u> <u>R</u> estricted Flag	Data Label	Value Description	<u>U</u> nrestricted or <u>R</u> estricted Flag	Data Label	Value Description
U	Action Award Type	The type of action award or modification being entered for this procurement. For example, types of actions include Purchase Orders (PO), Delivery Orders (DO), Blanket Purchase Agreement (BPA) Calls and Definitive Contracts.	R	Line Item Delivery Qty	The delivery quantity of the line item.
			R	Line Item Total Amount	The calculated total of all Purchase Request (PR) amounts and fees (if any) at the line item level.

- Compliance Certification Contracting Access and Security Memo Template
- Other (i) Other Contracting Definitions;
 - (ii) Laws, Regulations, Policy, and Areas of Interest;
 - (iii) Other Instructions for FAR Clauses 52.204-21, 52.203-16 and DAFFARS 5303.104-4(a); and,
 - (iv) Data Sharing Agreement



Key safeguarding data protection and access to support continuous process improvement objectives.



DAF Contracting Data Access and Security Policy



Suggested Contracting User Groups for Business Intelligence

Targeted Defined User Groups:

- Public-Facing Data (Unrestricted)
- Procurement Sensitive Data (Restricted)
- Masked Simulation Data (Unrestricted)



Public-Facing Data (PFD)

Example of Typical Users: Program Managers, Financial Managers and Comptrollers, Logistics, Investigation Agencies, Auditors, Academic and Research Institutions, or other similar offices Procurement -Sensitive Data (PSD)

PSD-SSI

Example of Typical Users: Contracting Series 1102s, Active CON-IT Users, etc.



Example of Typical Users: System Architects, Solution Architects, System Designers, Artificial Intelligence (AI), Machine Learning (ML), Data Scientists, etc.

Masked Simulation

Data (MSD)

Unrestricted

Unrestricted & Restricted

Unrestricted

Strengthening safeguarding measures in the event there is a breach or unauthorized access to contracting

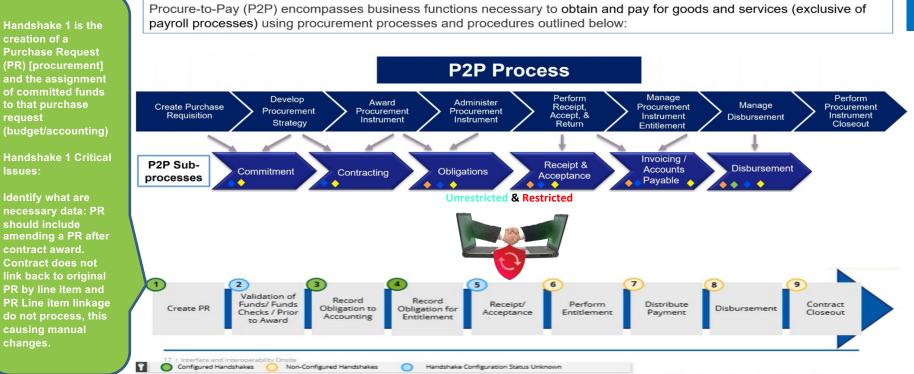
Identified Systems





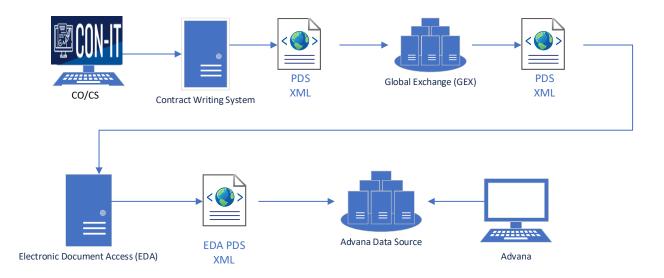


Procure to Pay (P2P) Overview



Linking Foreign Military Sales (FMS) with other P2P systems data to acquisition data is critical to accessing lifecycle status & performance of

Identified Systems



Air Force leads the way with modernization digital foundations within the DoD Procureto-Pay (P2P) framework that integrates demanding procurement data standards.











Air Force leads the way by establishing long-term data/systems integration and critical thinking for accessing information that is needed to support lifecycle status and performance decisions of Foreign Military Sales cases within the Procure-to-Pay framework and our systems integration with DoD enterprise.

Data as an Asset is a Force & Speed Multiplier.



Modernizing Our Digital Forecast Adaptive Foundations