Understanding the Relevance of Big Data and Predictive Analytics in Business and the Defense Industrial Base

Acquisition Research Symposium

May 14, 2015

Mark E. Krzysko
OUSD(AT&L)/ARA
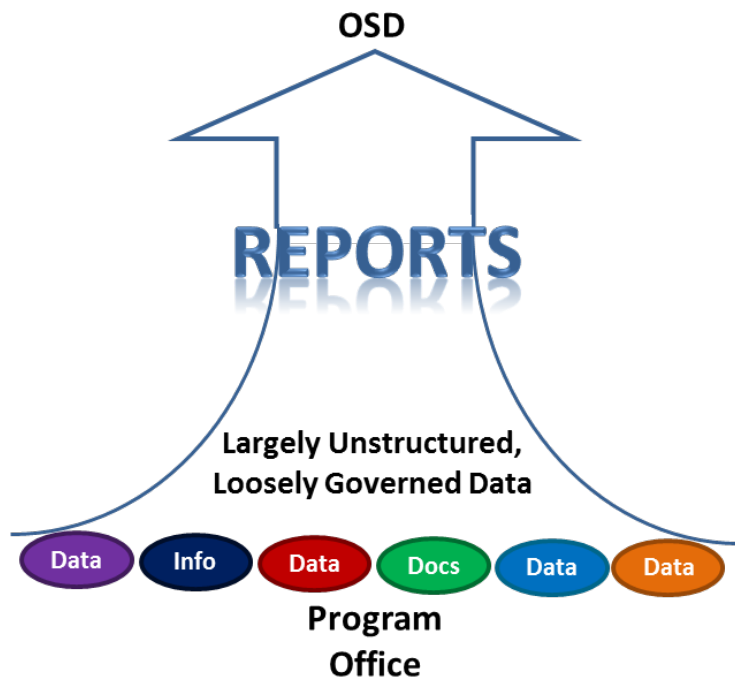*Enterprise Information*
Mark.E.Krzysko.civ@mail.mil

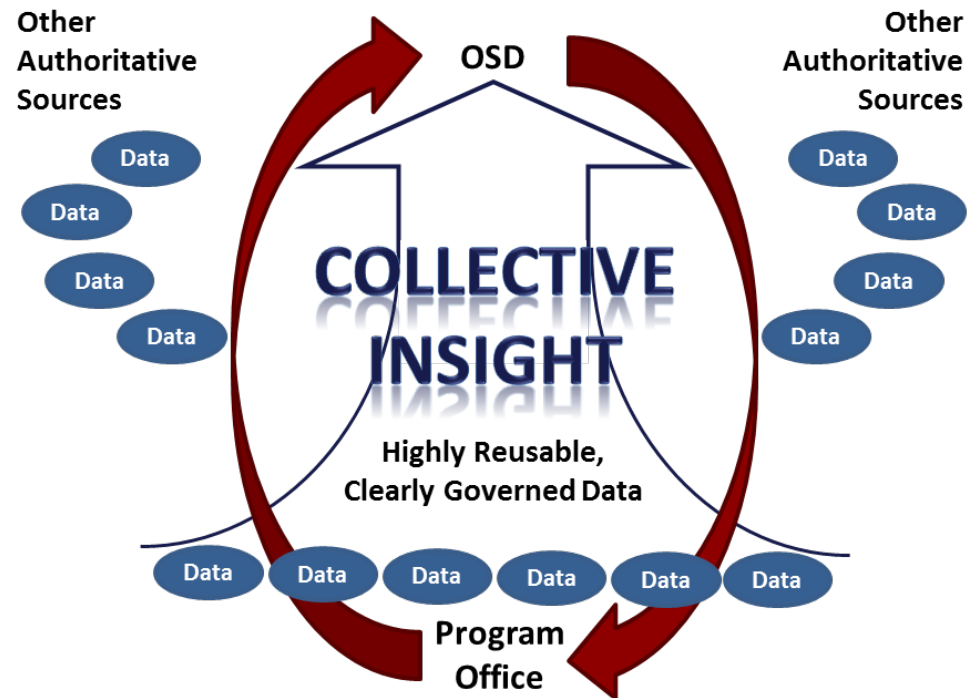"IN GOD WE TRUST, ALL OTHERS MUST BRING DATA"

W. EDWARDS DEMING

Mr. Kendall's Vision Drives the Department to *Manage* with Data

Where we are coming from...

OSD

REPORTS

Largely Unstructured, Loosely Governed Data

Data · Info · Data · Docs · Data · Data

Program Office

Where we are going….

Other Authoritative Sources

OSD

Other Authoritative Sources

Data · Data · Data · Data

Data · Data · Data · Data

COLLECTIVE INSIGHT

Highly Reusable, Clearly Governed Data

Data · Data · Data · Data · Data · Data

Program Office

The Vision Encourages Dialogue on Data Among the Services and OSD

Acquisition by the Numbers

- $1.6T portfolio of major programs* (Source: DAVE)

- 150,465 acquisition professionals
  (Source: OUSD(AT&L)/Human Capital Initiatives)

- 36 Services/Components/Agencies (Source: DoD Org Chart)

- 1566 active programs (Source: DAVE)
  - 107 MDAPs/Pre-MDAPs
  - 33 MAIS/Unbaselined MAIS
  - 54 Special Interest
  - 12 Other Major
  - 1360 ACAT IIs and IIIs (Source: estimate included in March 2015 GAO report)

- 2238 unstructured Acquisition documents

- 468 Acquisition data elements in the Acquisition Visibility Data Matrix

* Across the FYDP

Panel Members and Topics

Topic	Org	Member
The Challenges of Big Data	University of North Carolina at Charlotte	Maureen Brown
Industry Use Cases and the Underlying Content Analytics Technology used in Big Data and Predictive Analytics	DataSkill, Inc.	Brian Swanson
Data Science Progress, Initiatives and Potential at DMDC	DMDC, PERSEREC	Eric Lang
Application of Lexical Link Analysis Web Service to Defense Acquisition Visibility Environment (DAVE)	NPS	Ying Zhao, Doug MacKinnon and Shelley Gallup