Army Data Governance

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Agenda

- **Current Environment**
- **Data Governance**
- **Army Data Strategy**
- **Standards and Compliance**
- **Coordination & Collaboration**
  - Chief Data Officer
  - Army Data Board
  - Army Data Council
- **Conclusion**

Warrior Dilemma:
Lost in a Web of Data

Not much time to Decide!!

5min	3min	1min	30sec	D-time

Current Environment

What data is available?

Which data is better?

Developers <u>and</u> Warriors Asking for Help!!

Who has it?

How do I get it?

Fiscal Constraints

Data silos separated by space, technology, purpose, vocabulary

Cyber Threats

Data Sharing Problems

Mission Command, Intelligence, and Business users *cannot effectively:*

- **Know what information resources are available to them**
- **Find specific information crucial to their missions**
- **Provide (securely) information to others who may need it**
- **Adjust information support on the fly**
- **Determine the quality of published information**
- **Measure the value of information investments**
- **Interact directly with responsive information providers**
- **Incorporate new information sources rapidly into operations**
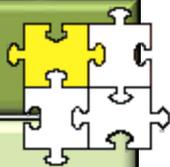- **Aggregate and compare data**

Data Governance

Guidance

Standards

Best Practices

Coordination

Making information sharing real

Policy, Governance & Guidance Alignment

Governance

Army Info Architecture
- Guidance & tools
- Rules Based
- Compliance Testing

AR 25-1
- Security
- Standards
- Certifications

DoDI 8320.02
- VAUTI Goals
- metadata registry
- standards registry

DoD Arch Guidance
- Priority areas
- Principles
- Rules

ARMY DATA STRATEGY

January 2016

Information Architecture Division
Army Architecture Integration Center
HQDA CIO/G-6

Version 1.0

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Army Implementation Instructions
- Procedures
- Guidance

DoDI 8320.07
- Data Sharing

Army Data Strategy
- Vision
- Principles
- Goals & Objectives

Army Directive 2009-03
- Data is a strategic asset
- Establishes ADMP

COE

JIE

IC ITE

Coalition

Logistics

Business

Warfighter

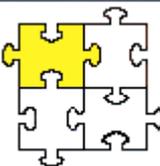# Army Data Strategy Goals

Data management on the network will be extremely complex! To meet JIE and COE objectives data must be:

Visible

Accessible

Understandable

(VAUTI)

Joint Information Environment/DoD Data Framework

Army Common Operating Environment Data Foundation

Trusted

Interoperable

*Maximize efficient/effective information exchange on the IT Highway*

Data Strategy Goals & Actions

V A U T I

VISIBLE	ACCESSIBLE	UNDERSTANDABLE	TRUSTED	INTEROPERABLE
Content Discovery & Retrieval	Content Discovery & Retrieval			
				Mediation
Authoritative Data Sources			Authoritative Data Sources	
Discovery Metadata			Discovery Metadata	
		Master Data Management		Master Data Management
	Information Exchange Specifications	Information Exchange Specifications		Information Exchange Specifications
	Security Metadata		Security Metadata	
	Mobile Strategy			
			Data Quality Management	
	Tactical Data Link Standards			Tactical Data Link Standards

DATA STRATEGY METRICS

REFERENCE ARCHITECTURE

Standards and Compliance
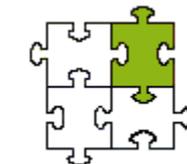
- **Technical Standards**
  - **Army Technical Standards Committee**
  - **Repository**
  - **Standards Adoption Forum & Process**
  - **Waiver Process**
  - **Technology Standards**
  - **Data Standards**
    - Country, language, currency codes
    - Globally-unique identifiers
    - Common values are essential to link data (connect-the-dots)

- **IT Architecture Components**
  - **Assessments**
  - **Reporting**
  - **Feedback loop**
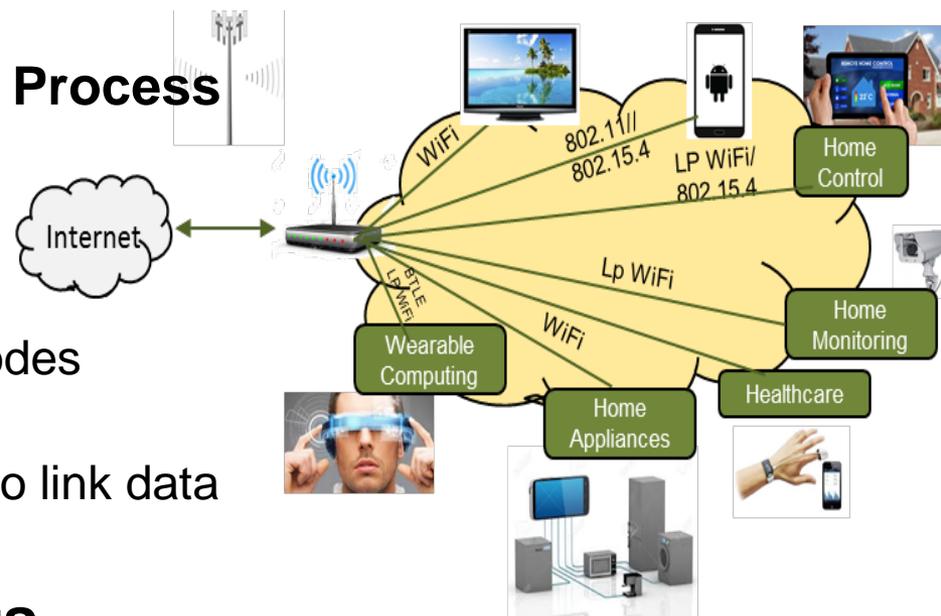
A balanced approach is crucial

Army Chief Data Officer

- **The senior advisor to the Secretary of the Army and the Army Chief of Staff on data issues.**

- **Reports directly to the Army CIO on all issues pertaining to Army data.**

- **Develops and implements the Army Data Management Program.**

- **Chairs the Army Data Board to coordinate and adjudicate enterprise data strategy, standards, policies & execution.**

- **Develops and coordinates the management and integration of data-related architecture and engineering products.**

Army Data Board Structure
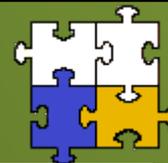
Army Enterprise Network Council

ARMY DATA BOARD

Chief Data Officer · · · · · · · · **Secretariat**

Data Stewards (Voting Members)

|				
G-1 Personnel	G-2 Intelligence	G-3/5/7 Operations & Plans	G-4 Logistics	G-6 Chief Information Officer
G-8 Programs	ASA (Acquisition, Logistics & Technology)	ASA (Man Power & Reserve Affairs)	ASA (Installations Environment & Energy)	ASA (Civil Works)
ASA (Financial Management & Comptroller)	Geospatial	Office of Business Transformation	Army Corps of Engineers	Forces Command
Army Material Command	Training & Doctrine	Installation Management	Architecture	Center for Army Analysis

Non-Voting Members　　Joint　　Other Army Entities　　COCOMs

ARMY DATA COUNCIL

Army Data Steward Responsibilities
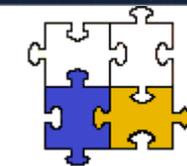
- **Responsible for all aspects of data in their domain/area**

- **Participate as a voting member of the Army Data Board**

- **Integrate and configuration manage information exchange specifications and associated controlled vocabularies**

- **Coordinate identification and registration of authoritative data sources**

- **Coordinate implementation and management of enterprise identifiers**

- **Coordinate management and integration of information architecture**

- **Convene data forums to manage data issues**

- **Assign Functional Data Managers for capability areas/segments**

- **Develop and implement technical data guidance**

Data Governance is a Force Multiplier

Leverages...

New Capabilities:

- **Data integration with verifiable confidence & lineage**
- **Data protection and security**
- **Real time analytics**
- **Enterprise discovery**
- **Improved data quality**
- **Common information objects**

To Enable...

Mission Success:

- **Deprive the enemy of the advantage**
- **Make timely and accurate decisions**
- **Take good care of our soldiers**
- **Conserve our resources**
- **Maintain technological overmatch**
- **Interoperate with mission partners**

The right data to the right place at the right time for the right mission!

Questions?

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