Mr. Michael Krieger  
Deputy CIO, Office of the Army CIO/G6  

Keynote Address:  
“Data – A Force Multiplier for Effective Decision Making”  

Wednesday, July 14, 2010  
E51-345, 12:30-2pm  
Tang Building  
70 Memorial Drive  
Cambridge, MA 02139  

Available for download at:  
Mr. Krieger, Deputy CIO/G-6, HQDA
Spectrum of Operations

**Army’s Balancing Act**

1. Standardized
2. Protection
3. Sufficient Bandwidth
4. Many Owners, Different Missions
5. Data Persistency
6. Complete, Accurate Data
7. Legal and Privacy of Use Agreements
8. Low-Volatility, Medium-Volume Data
9. Data Supports Repeatable, Complex Processes

1. Ad Hoc, Agile
2. Flexibility
3. Constrained Bandwidth
4. One Command, Clear Mission
5. Real-time Data
6. Timely, Best-Effort Data
7. Point-to-Point Time-Critical Data
8. High-Volatility, Range-of-Volume Data
9. Data Supports Ad Hoc, Complex Decisions

**Data is useful only if it is visible, accessible, trusted and understandable by decision makers**
Data Transformation Plan

<table>
<thead>
<tr>
<th>Accountable</th>
<th>Authoritative</th>
<th>Standardize</th>
<th>Expose</th>
<th>Register</th>
<th>Assess</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDO, Data stewards</td>
<td>Master Data Management</td>
<td>Data Standardization, Common Semantic</td>
<td>Data Services</td>
<td>Validated</td>
<td>Data Management Practice Assessment</td>
</tr>
<tr>
<td>Data Governance Structure (ADB/ADC)</td>
<td>Authoritative Data Sources</td>
<td></td>
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Implemented by Army Organizations in Coordination with Army Data Stewards

Enterprise Information Architecture

**Readiness Dashboards**
- EMDS
- G-3 Control
- ARFORGEN Picture
- Readiness

**Materiel Dashboards**
- EMDS
- G-357
- G-772
- Structure and Manpower Allocation System (SAMAS)

**Other Dashboards**
- Other Core Enterprises
- Suicide Mitigation, etc.

**Data Service Layer**
- Common Information Exchange Schemas (UCore + Extensions)

**Key**:
- EMDS
- G-3 Control
- ARFORGEN Picture
- Readiness

**Projects**:
- ARFORGEN Sync Tool (AST)
- Defense Readiness Reporting Systems – Army (DRRS-A)
- Structure and Manpower Allocation System (SAMAS)

**ERPs**
- General Fund Enterprise Business System (GFEBS)
- Global Combat Support System – Army (GCSS-Army)
- Army Personnel and Payroll System (PPS)
- Logistics Modernization Program (LMP)
- Army Enterprise System Integration Program (AESIP)
Exploit and Defeat the Enemy

What can you do for your country?

1. Creative ideas and approaches for migrating many legacy systems and applications to a more “net-centric” approach

2. Effective methods to separate data from applications to minimize the cost of sharing data from proprietary applications

3. “Social engineering” ideas to make people more comfortable in using collaborative environments
Is Data Quality Important?

Ask Alan Greenspan

- Army is busy
  - Good News: business is good
  - Bad News: business is good
- Army is a very large enterprise, conducting full-spectrum operations
- Army has difficult data issues that require industry and academic collaboration

April 9 (Bloomberg.com): The End of Wall Street – by Roger Lowenstein