

KEYNOTE SPEECH

Transforming the Army Enterprise with High IQ

BIOGRAPHY-----

Ronald Bechtold

The U.S. Army Chief Data Officer
Office, Army CIO/G6



Mr. Ronald Bechtold assumed the position of Director, Army Architecture Integration Center, at Headquarters, Department of the Army, Chief Information Office/G6 on 1 June 2006.

Previously, he served as the Executive Director, Information Technology Agency, where he managed the operations of information infrastructure supporting all Pentagon organizations. He also provided leadership and direction for desktop operations supporting the Army staff.

Prior to serving as Director, Mr. Bechtold served as the Deputy Director for two years. As the Deputy Director, he was responsible to the Administrative Assistant for information technology matters in support of the Headquarters, Department of the Army and information technology operations support services for the Pentagon and National Capital Region.

Mr. Bechtold began his career in the Federal Government in 1975 as an Army Material Command quality assurance intern, and has held a variety of professional positions of increased responsibility throughout his 30 years of government service. Ron changed careers when he joined the Europe Division of the Corps of Engineers as a software developer he developed his project management skills supporting the Army Military Construction Program. Upon returning to the United States he worked on the Army Staff as the systems manager of the Army's Supercomputer Program and later as a strategic planner for the Army's \$4B Command, Control, Communications and Computer Investment Program. Ron returned to Europe in the early 90s to assist in establishing the Marshall Center, a school to educate senior officials of Central and Eastern Europe about democracy, market economies and civilian control of the military.

Mr. Bechtold began his tenure in the Office of the Administrative Assistant in July 1997, as Director of Architecture and Engineering in the Single Agency Manager. In October 2001, he became the Technical Director, Information Technology Agency, and in September 2003, became the Deputy Director Information Technology.

Mr. Bechtold holds a Bachelor of Science Degree in Mathematics and is a graduate Industrial College of Armed Forces. His numerous awards include: two Decorations for Exceptional Civilian Service, the Superior Civilian Service Award and the Achievement Medal for Civilian Service.

Ron resides in Clifton, Va. He is married to Madeline Dillman Bechtold. They have two children, Erika and Alyssa.

ARMY ARCHITECTURE INTEGRATION CENTER
 PROVIDING THE BLUEPRINT FOR INFORMATION DOMINANCE



Transforming the Army Enterprise with High IQ

Presented at

MIT Information Quality Industry Symposium

DESCRIPTION *Ron Bechtold*

DEPARTMENT 	DIRECTORATE ARCHITECTURE, OPERATIONS & SPACE DIRECTORATE	ORGANIZATION 	
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Trends



Threat Environment

- Era of Persistent Conflict
- Networked, sophisticated, learning enemy understands how we fight, knows our limitations, exploits our weaknesses, and avoids our strengths



Technology Environment

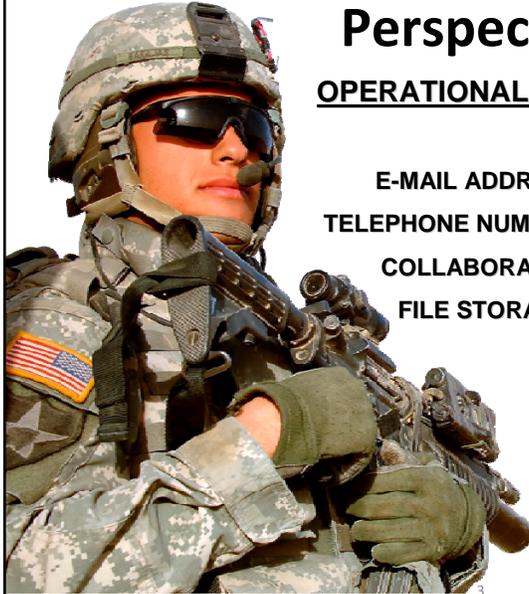
- Globally Connected
- Democratization of Content and Capabilities (Web 2.0)
- Acquiring Services (Cloud Computing)



Political & Economic Environment

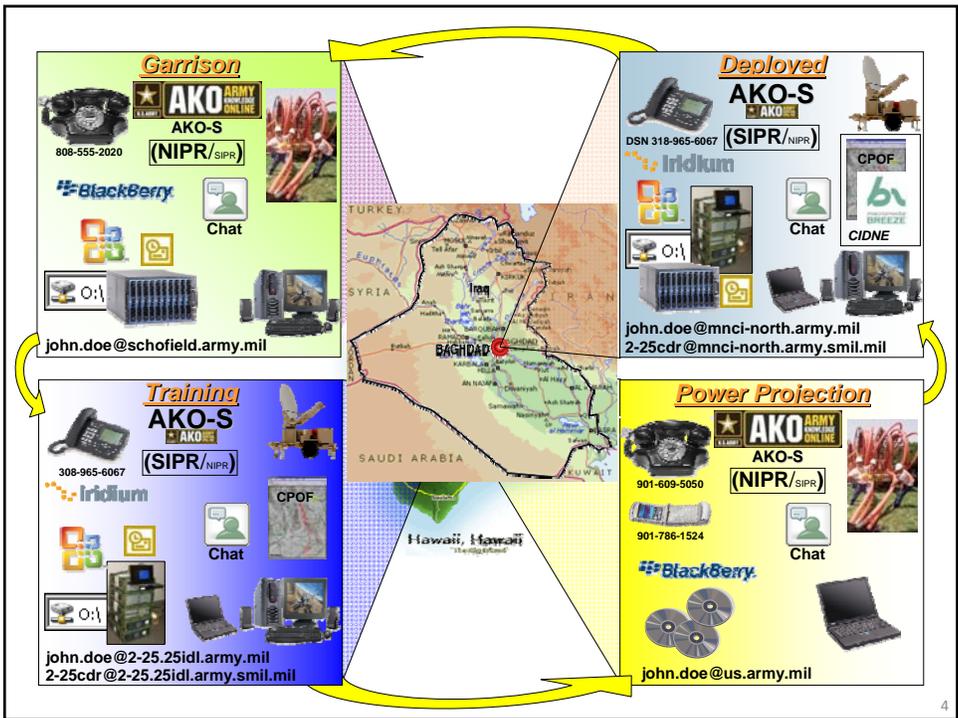
- Exit Strategy for OIF/OEF
- Diplomatic focus
- Reduce Defense Budget

DoD Challenge--A Soldier's Perspective



OPERATIONAL IT/DATA REQUIREMENTS:

- NETWORK – constantly changing
- E-MAIL ADDRESS – constantly changing/multiple
- TELEPHONE NUMBER – constantly changing/multiple
- COLLABORATION TOOLS – constantly changing
- FILE STORAGE SYSTEM – constantly changing



A Soldier's Story



Ideal End-State

Universal E-Mail Address

Universal File Storage

One Telephone Number

Standard Collaboration
Tool Set



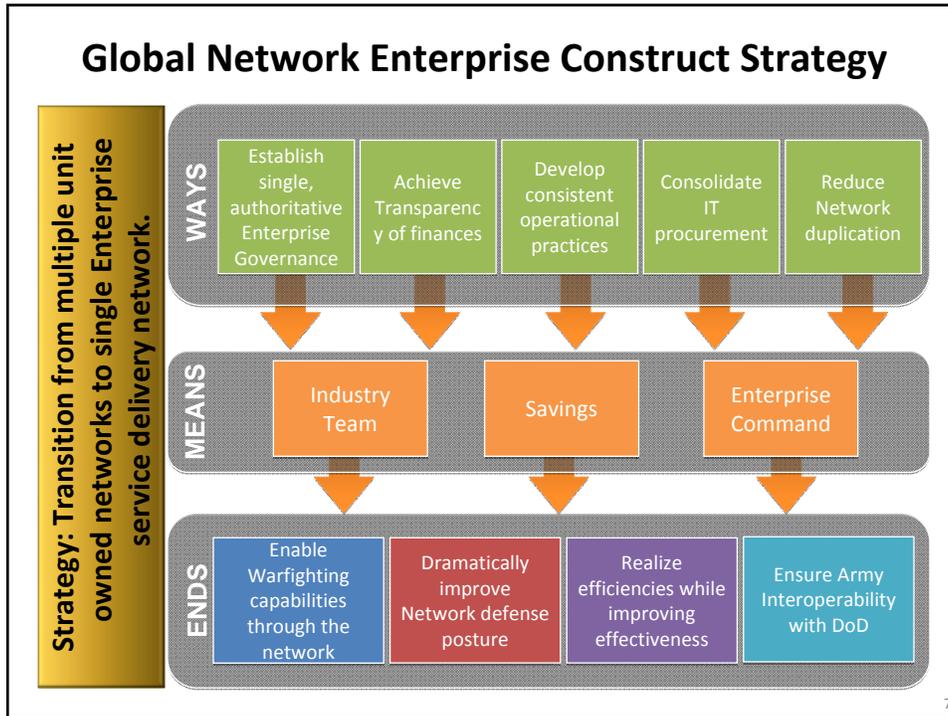
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The CDO response--Global Network Enterprise Construct (GNEC)

*"GNEC is the focused, time-phased, prioritized, resource sensitive
Army-wide strategy to transition LandWarNet from many
loosely-affiliated independent networks into a
truly global capability that is designed, deployed and
managed as a single integrated enterprise."*

"A Message to Our Strategic Partners"
LTG Jeffrey Sorenson, Army CIO/G6 - 23 Jan 2009

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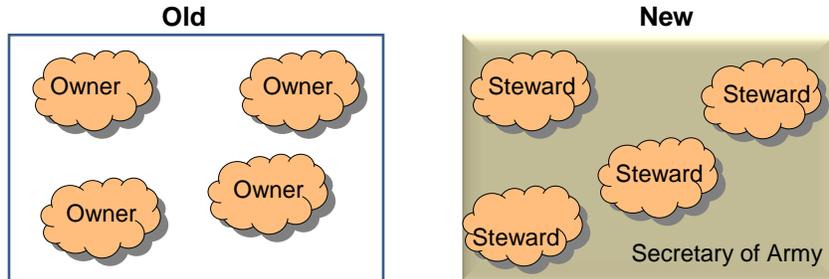


Why are we succeeding...

Who owns the data?	How do you get started?
Secretary of Army	Find a burning bridge

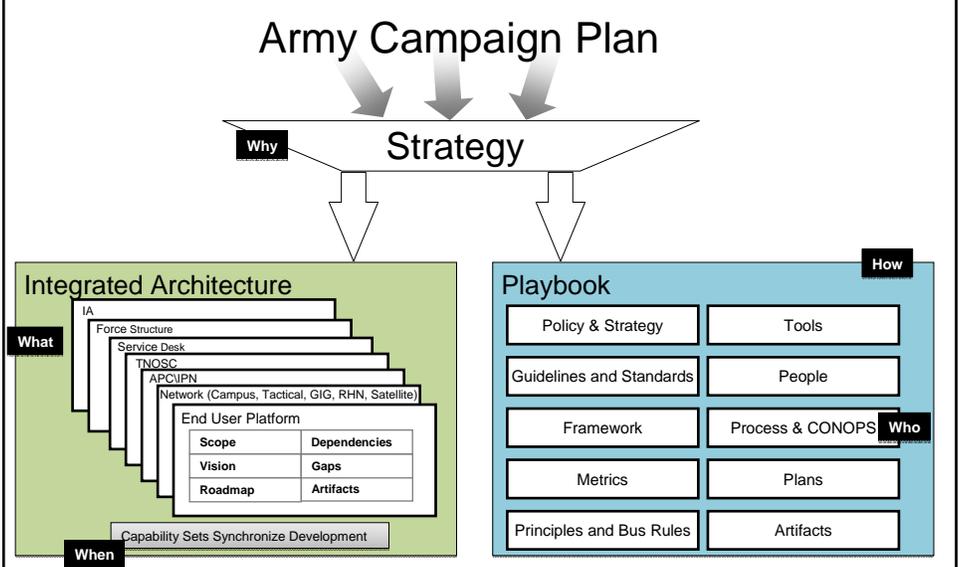
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Change the Culture

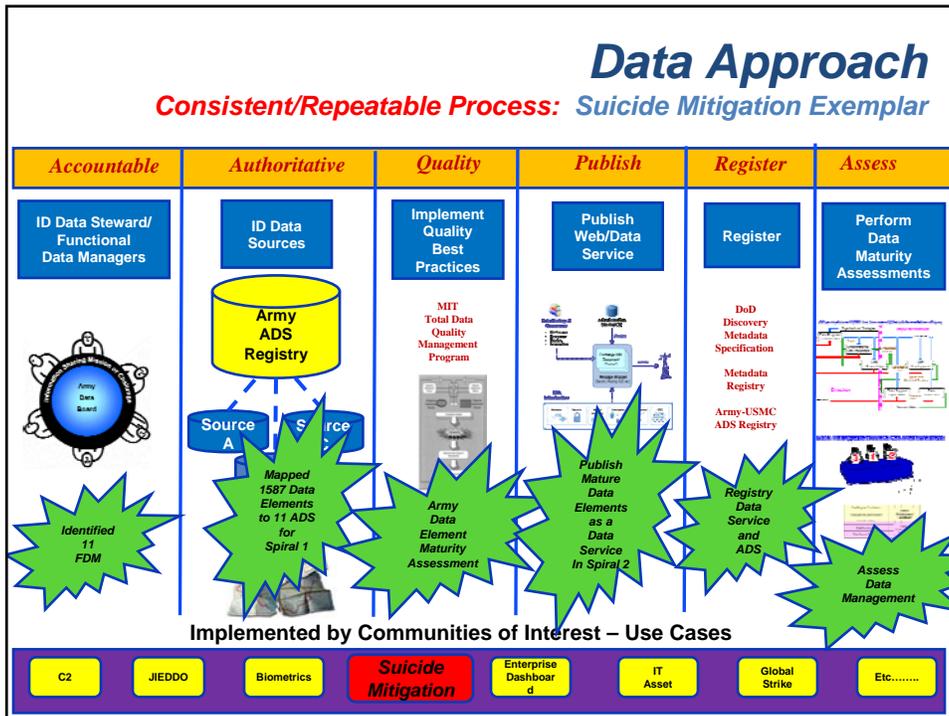
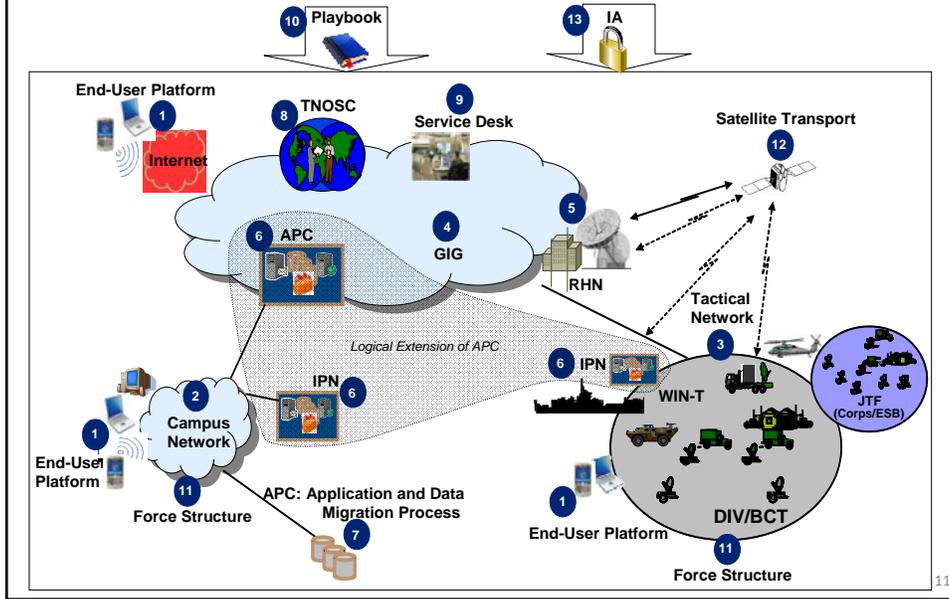


- Shift... from ownership to stewardship model
- Leverage... Cloud Computing
- Identify... compelling Use Cases
- Strategically ... apply governance
- Communicate, communicate, communicate

Army Enterprise Architecture



Army Enterprise Architecture – Data View



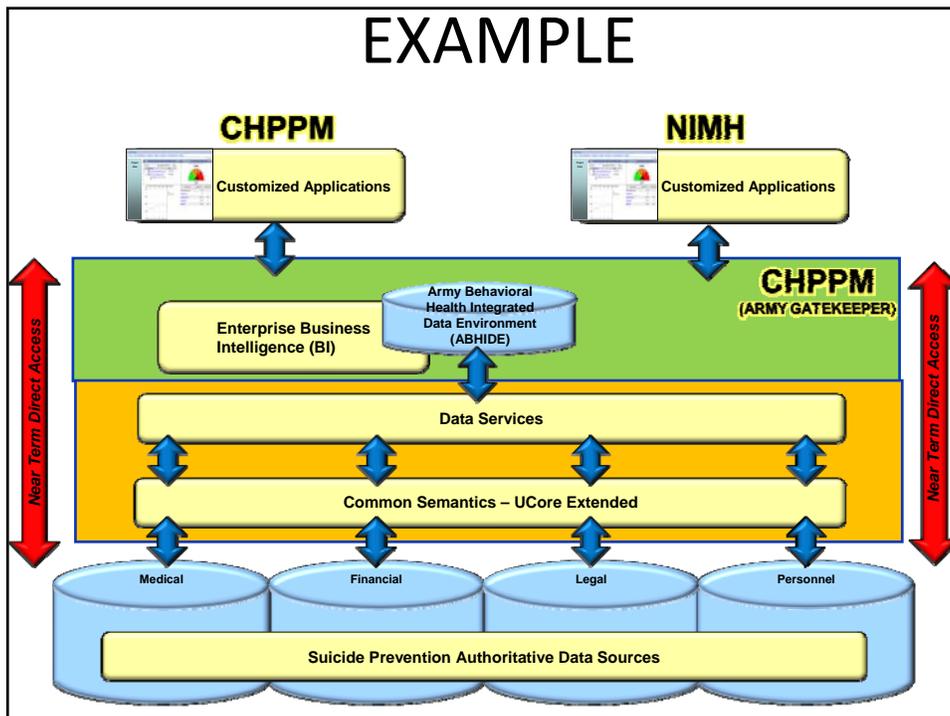
Army Data Element Maturity Assessment

Level	Risk Management Steps Taken
1	No data element analysis is provided
2	Data quality measured along objective and subjective perspectives
3	Data element ownership established
4	Data production map is produced
5	Data element certified: consumers can use the data with confidence/trust: <ul style="list-style-type: none"> ✓ Data quality for the data element conforms with the specification for data integrity ✓ Army Data Stewards use data production maps with a well-defined process and procedures to ensure data quality ✓ Data quality meets or exceeds data consumer's expectation

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EXAMPLE





Challenges...

Government:
Think service (agility, flexibility...not technology)
Shift from ownership to stewardship model

Industry:
Solve Problems using collaboration

Academia:
Master Cloud and Virtualization fundamentals to shift IT from a Cost Center to a Profit Center

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