



®

Resources.
Responsiveness.
Reliability.

IARPA Knowledge Discovery and Dissemination (KDD) - Data Model Alignment

Relevant Corporate Capabilities

Large company practices. Small company responsiveness. Working for YOU.

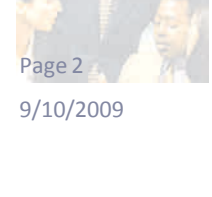
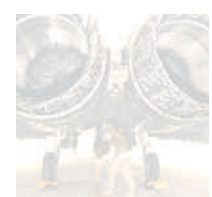
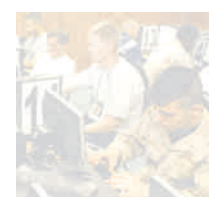
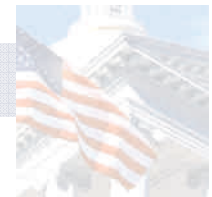
August 20, 2009 Presentation by

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Vital Statistics

- ▶ Founded in 1955 – Satisfying Customers for Over 54 Years
- ▶ 2008 Revenue \$243M
- ▶ 1,500 Employees
- ▶ Serving National Priority Markets
 - ▶ Defense & Intel
 - ▶ Federal Civilian
 - ▶ State & Local
- ▶ Headquarters: Andover, MA
- ▶ Publicly Traded – NASDAQ: DRCO

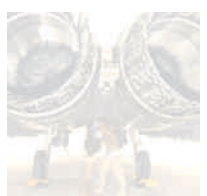
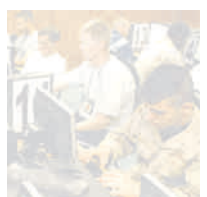


Intelligence Community Experience

Since 1992 DRC has supported the Intelligence community with our predominate customer being the National Security Agency (NSA) . DRC also supports the National Reconnaissance Office (NRO) and the DHS Office of Intelligence & Analysis. DRC has a Columbia, MD facility that incorporates a SCIF for use by our intelligence clients.

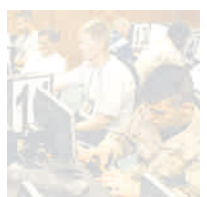
NSA programs supported include:

- GSOMIS – Help desk, Network support
- AXISS – Engineering, Program support
- APMEC - Help desk, System engineering
- RADIC – Software development, System administration
- EVENTSHARE - Software/Systems engineering, Process improvement
- Cryptologic Mission Management – Systems engineering, Enterprise architecture, Requirements management, Data engineering



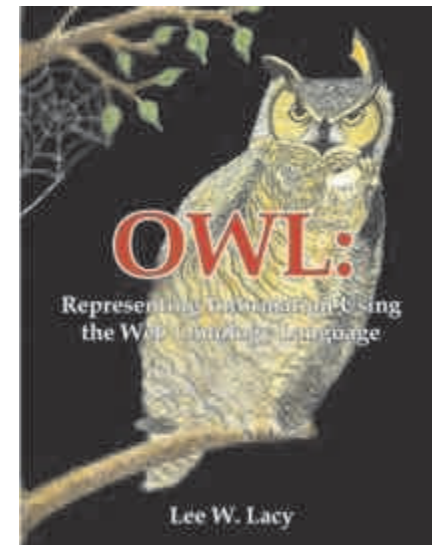
Data Engineering and Ontology Experience

- ▶ **Data Engineering Experience Examples**
 - ▶ Data Architecture support to Simulation Systems
 - ▶ XML Data Interchange Format Development
 - ▶ Researched mapping between heterogeneous XML Schemas
 - ▶ USTRANSCOM J6 and AMC A6 data modeling efforts to support data sharing
- ▶ **Ontology Experience Examples**
 - ▶ Part of original DARPA DAML team
 - > Developed “proof of concept” ontologies for military and intelligence applications as part of DAML effort
 - > Provided input as DAML evolved into OWL
 - ▶ AFRL Foreign Clearance Guide (FCG) (sub to BBN)
 - ▶ DMSO Computer Generated Behaviors representation
 - ▶ JEOD ACTD ontologies for IED defeat content



Example DRC OWL Ontologies

- ▶ Intelligence-related ontologies
 - ▶ Event chronology
 - ▶ Fugitive/terrorist description
 - ▶ Intelligence Report
 - ▶ GPS Coordinates
- ▶ Unit and Equipment ontologies
 - ▶ Military equipment
 - ▶ Equipment Characteristics and Performance (C&P)
 - ▶ Commercial Shipping
 - ▶ Computer Generated Forces (CGF) Behaviors
- ▶ Military Organization, Training, and Doctrine
 - ▶ National Security Organization
 - ▶ Conditions
 - ▶ Tactics Techniques and Procedures (TTP)
 - ▶ Military task list
 - ▶ Foreign Clearance Guide



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