



# ISE North America Leadership Summit and Awards Nominee Showcase Presentation

October 27- 28, 2010

<i>Company Name:</i>	Department of Homeland Security (DHS)
<i>Project Name:</i>	Key Initiatives at DHS
<i>Presenter:</i>	Douglas Maughan
<i>Presenter Title:</i>	Branch Chief





# Company Overview



Science and Technology (S&T)  
Directorate

- Conduct, stimulate, and enable research, development, test, evaluation and transition
- 404 Federal employees
- Budget: \$968M (FY2010)
- Supports Homeland Security Enterprise (HSE)
- Only group that didn't exist elsewhere when DHS was originally created



# Presentation/Project Overview

- Domain Name System Security (DNSSEC) – Authenticity and integrity of all Internet traffic
- Large-Scale Research Datasets (PREDICT) – Collecting and providing data for the cybersecurity researchers
- Accelerating Innovation – Building partnerships for transition and commercialization



# Overview of Business Challenge

- DNSSEC – Securing global Internet infrastructure without negative impacts; Government in a global leadership role
- PREDICT – Providing relevant data to support future research within the limits of the law
- Innovation – Building bridges between WDC and innovation centers around the country



# Project Scope/Goals

- DNSSEC – Secure Internet → Gov't lead, int'l partners, standards, WH support, vendor buy-in, early adopters, stay the course
- PREDICT – Better “products” → DOJ, EFF, ACLU, Researchers, Data Providers, Ethics, Int'l
- Innovation – Little Guy! → ITSEF, SIF, Showcase, GCSC, CATCH





# Project Results

- DNSSEC – WH Support, Standards, Vendors, Root Signed, ccTLDs, gTLDs, Deploy (Comcast)
- PREDICT – 100s TBs of data, over 100 users, legal agreements, WECSR, WH CPR, comm. Providers
- Innovation – “Bridges” built, partnerships, acquisitions (Endeavor), Tech deploy (HBGary)



# Lessons Learned/Best Practices

- DNSSEC – Get the community involved; Make a plan and stick to it; Vendors are key; Changing global infrastructure is hard work
- PREDICT – Set a vision; Start small with key leaders; Legal aspect is critical; Don't give up
- Innovation – Good support personnel; follow through; “transition” is hard but rewarding



# Thank you and Questions

- Questions?