



## **Strategic Information Delivery**

#### **DHS Strategy 2005**





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#### Vision Strategic Information Delivery

DHS will partner with our internal and external customers to become the Process Guide and Thought Leader for Information Excellence through our commitment to the customer and the relentless pursuit of people, technology and process excellence.







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#### **Mission Statement**

**Strategic Information Delivery** 

Provide to employees and the components of DHS an environment that enables competitiveness through the delivery of accurate, useful, timely, and actionable information



## **Architecture Relationships**



 Derives from business strategy and drivers

 Shareable data and information at the federal, state, local and tribal levels

 Introduction of best practice and metrics



## **Architecture Relationships**



**Strategic Information Delivery Focus** 

• Derives from business strategy and drivers

 Shareable data and information at the federal, state, local and tribal levels

 Introduction of best practice and metrics



#### **Information Sharing Strategy**

#### National Information Exchange Model (NIEM)



#### The strategic intent will be achieved by developing the capabilities that are defined in the Center's Information Excellence Pyramid



#### **Enterprise Data Management Services**

FY05-07 Plans



## An Analogy: The Information Supply Chain

An Information Supply Chain represents the set of operations that an Information Product follows from the point of demand to the point of delivery.





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## An Analogy: The Information Supply Chain

An Information Supply Chain represents the set of operations that an Information Product follows from the point of demand to the point of delivery.



Information Delivery refers to the integration of processes among these operations to ensure the delivery of accurate, useful, timely, and actionable information.





#### Info Supply Chain meets the DRM











#### **Metadata Management**

Embodies the processes to move data from the staging database(s) to the desired target(s) in response to a presentation request.

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#### Metadata Management

Embodies the processes to promote data legibility, use, and administration. Categories are business, technical, and administrative. Contents are described in terms of data about data, activity metrics, and knowledge.





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#### **Metadata Management meets the Semantic Web**



#### **Realizing Information Value**



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#### **Semantic Web Challenges**

- Explain logical implication betters → unique biz value
- Reduce the costs of modeling reuse → lowers risk of new tech
- Focus on "Bridge" Technologies
  - Taxonomies → Formal Taxonomies
  - RSS → Dynamic Notification for all data types
  - Link Analysis → Formal & dynamic Relationships
  - XML/Namespaces →
    Namespace Document



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#### **Semantic Web Initiatives in DHS**





## STORE AND SECURE



## **Journey to Excellence**

Our goal: Guide the Operating Units in achieving Information Delivery Excellence

#### How:

Deliver process guidance Share best practice/benchmarks Assist with skills (if requested) Provide answers to your questions



# Homeland Security



