DHS Memorandum 16-3048: Improving Immigration Data Analysis and Reporting

– Ensure uniform Department-wide immigration data standards
– Give the Department’s data stakeholders real- or near real-time access to relevant data from across the Department
– Ensure that immigration records are fully linkable across DHS data systems
– Directed OIS and OCIO to establish and co-chair an ESC in 30 days and include leadership from CBP, ICE, USCG, and USCIS
### DHS IDII ESC Structure

**DHS Immigration Data Integration Governance Organization**

**Office of Immigration Statistics (OIS)**
- Deputy Director, U.S. Citizenship and Immigration Services
- Deputy Commissioner, U.S. Customs and Boarder Protection
- Deputy Director, U.S. Immigration and Customs Enforcement
- Under Secretary, Office of Intelligence & Analysis
- Director, Department of Health and Human Services, Office of Refugee Resettlement*
- Director, Department of Justice, Executive Office of Immigration Review*
- DHS Deputy General Counsel or designated representative

**Office of the Chief Information Officer (OCIO)**
- Vice Commandant, United States Coast Guard
- Director, NPPD/Office of Biometric Identity Management
- Assistant Secretary of State for Consular Affairs, Department of State Bureau of Consular Affairs*
- Director, NPPD/Office of Biometric Identity Management
- Assistant Secretary of State for Consular Affairs, Department of State Bureau of Consular Affairs*

**Data Governance**
- Data Stewardship Tactical Working Group: Assists the Data Working Groups, Data and Domain Stewards with the tactical solutions, services and technical implementation of standards.

**Policy & Oversight**
- Master Reference Data Working Group: Supports and provides guidance for enterprise data standards and stewardship.

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*Equivalent positions are indicated with an asterisk (*)

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**DHS Immigration Data Integration Governance Organization Version 2**

June 2017

Policy & Oversight

Data Governance

Policy & Oversight

Capability & Implementation
MISSION: Immigration Domain

Develop a more fully integrated immigration data warehouse and strengthen the Department’s systems for analyzing and reporting on immigration data.

GOALS: IDII ESC

- Employ uniform immigration data standards & practices
- Ensure DHS stakeholders have near real-time access to all relevant immigration data
- Ensure immigration records are fully linkable across the Department
- Analysis of immigration enforcement & benefits at the person-centric level

OBJECTIVES: IDII WGs

- Department-wide data glossary
- Department-wide data standards
- Data governance
- Data sharing policies and protocols
- Identity management
- IT environment
- Data dashboards and web tools
Current data systems hinder analysis of immigration enforcement: DHS cannot track an individual’s immigration history across DHS components, or describe enterprise-wide immigration actions and outcomes.

**INTAKE TO THE ENFORCEMENT SYSTEM**
- Apprehension
- Arrest
- Inadmissibility Determination

**INITIAL DISPOSITION**
- Administrative removal/return
- Judicial removal process
- Temporary relief
- Prosecutorial discretion

**ENFORCEMENT PROCESS**
- Detention determination
- Immigration proceedings

**FINAL DISPOSITION**
- Repatriation
- Prosecutorial discretion
- Temporary relief
- Permanent relief
Enforcement Lifecycle: Disclaimers

▪ Notes on Enforcement Lifecycle methodology and results are being shared for illustrative purposes only.

▪ OIS is still working with DHS data partners to finalize our Lifecycle methodology and to develop internal and public-facing Lifecycle reports.
## Enforcement Lifecycle: Outcome Assignment

<table>
<thead>
<tr>
<th>Outcome</th>
<th>Removed/Returned</th>
<th>Permanent Relief</th>
<th>Temporary Relief</th>
<th>Final Order Issued</th>
<th>Non-Removable</th>
<th>In Proceedings</th>
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<tbody>
<tr>
<td>Final Decision</td>
<td>• Removed/Returned</td>
<td>• LPR</td>
<td>• T or U Visa</td>
<td>• Recalcitrant Countries</td>
<td>• Not Amenable to Removal (EAD)</td>
<td>• Asylum Application</td>
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<td>• SIJ</td>
<td>• Temporary Protected Status</td>
<td>• &lt;60 Days Pending</td>
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<td>• Withdrawal Granted</td>
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<td>• Cancellation of Removal</td>
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<td>• ER</td>
<td>• App Parole</td>
<td>• Foreign-Born US Citizen</td>
<td>• NTA designated at App</td>
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<td>• Reinstatement Admin. removal</td>
<td>• App Judicial Discretion</td>
<td>• Not Amenable to Removal at App</td>
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</table>
Enforcement Lifecycle: Methodology

- OIS matches intakes into the enforcement system to additional immigration events.
- OIS assigns an “Outcome” to each apprehension to describe where they are in the immigration system.
- Because individuals experience multiple immigration events, OIS created a hierarchy to assign an exclusive “Outcome”.
- This hierarchy prioritizes data that shows that an individual has reached a stopping point (final decision) and works backwards.

High-Level Process for Assigning Lifecycle “Outcomes”

**Final Decision**
- Removed or Returned LPR
- Final Order Issued

**Touched the System**
- In EOIR Proceedings
- Benefit Application

**At Apprehension**
- Paroled at Apprehension
- PD at Apprehension

Ex.
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Immigration Data Integration Initiative: The way ahead

Phase I: Data Collection

Phase II: Eliminate Manual Transfers

For Each Data Provider/Data System

- Data and Business Logic
- Reports (Excel, PDF)

Phase III: Establish Data Integration Policies

DATA TRANSFORMATION/RECONCILIATION/BUSINESS LOGIC

Phase IV: Implement Data Feeds

OIS DATA ENVIRONMENT

Phase V: Mature System

ADVANCED ANALYTICS & AUTOMATED REPORTS
Data Framework

Data Access to Support the Mission

August 30, 2017
The DHS Data Landscape

DHS operates across 5 wide ranging Mission Areas:

- Prevent Terrorism and Enhance Security
- Secure and Manage Borders
- Enforce and Administer Immigration Laws
- Safeguard and Secure Cyberspace
- Strengthen National Preparedness and Resilience

900+

There are 900+ DHS owned databases (Does not include unstructured data assets).

320+

The Screening Domain alone contains over 320 systems using 130 data assets, approximately 40 of which are identified as high value.

DHS manages over 10 billion biographic records and adds 10-15 million more each week.

DHS maintains one of the largest biometric databases containing approximately 125 million biometric records (2% of the world population).
The creation of DHS in 2002 merged 22 existing and new offices and components with a variety of missions, creating challenges at the enterprise level to:

- Collect, use, share and protect data according to separate mission priorities;
- Manage and store data in an environment accessible across components and domains (classified and unclassified) for both U.S. and non-U.S. persons of interest;
- Provide technical interoperability; and
- Ensure compliance with authorities governing legal, policy, privacy and Civil Rights and Civil Liberties (CRCL) protections.

The Data Framework establishes the environment where information is protected and shareable across DHS entities, promoting more agile and data-driven decision capabilities to meet mission needs.
The Data Framework (DF) supports DHS components by providing mission operators with a single, secure platform for timely and accurate person-centric data gathering and information sharing across classified and unclassified domains.

Core Capabilities

- Single-site search available on unclassified and classified networks
- Dynamic access controls to safeguard information while enhancing sharing
- Near real-time access to intel for decision makers and first responders
- Centralized Access to data across DHS components
- Serves as a Data Broker within DHS
Piloted Data Framework concept, information infrastructure and baseline processes.

Proved concept value. Incorporated actionable datasets. Established access controls and Intelligence Community search protocols and permissions.

Established formal governance and oversight to ensure compliance and safeguard access permissions and controls.

Enhanced data integrity by instituting a 5-point data quality regimen to accompany each dataset.

Achieved mission impact with DHS components (I&A, CBP, TSA) by industrializing data throughputs.

Consolidated acquisition and management of physical infrastructure and software footprints for improved licensing, refresh and cost savings.

FY16 Official Program Designation by Congress
Approved Purposes for Use

Benefits

- Benefits are programs, projects, services, and activities provided by DHS that directly assist individuals or groups of individuals.
- Authorizations are grants of permission to engage in specified activities that are proscribed by law or otherwise regulated.

Law Enforcement

- Activities directed toward the preservation of public order and safety, including protection of persons and property (real and other) in accordance with a statutory authority. (Source: DHS Lexicon)

National Security

- The comprehensive program of integrated policies and procedures for the departments, agencies, and functions of the United States Government aimed at protecting the territory, population, infrastructure, institutions, values, and global interests of the Nation
DHS Mission

With honor and integrity, we will safeguard the American people, our homeland, and our values.
Data Management Guiding Principles

Ensure Data Quality

Completeness
Accuracy
Timeliness
Business Rules
Retention
Access Control is the process of controlling the flow of data by making decision requests and authorization decisions based on policies.

Authorization Policies are the rules by which persons are granted or denied access to data or resources based on the alignment of their personal attributes, the context of their request, and the type of data they are requesting.

Person Attributes (User, Requestor) are characteristics of an entity requesting an operation on an object.

A Data Tag is characterizing metadata (data about data) associated with a data object. A data tag is both the tag name and the value, e.g., system name “ESTA”.

Context or Use is the purpose for which the data will be used (e.g. Law Enforcement) and/or the type of search/query conducted (e.g. Person search by name).
Questions?