Decoding the Alphabet
Soup re: Enhancing the Nation’s Justice Information Sharing Capacity
Welcome to the Global Justice Information Sharing Tools and Grant Special Conditions Webinar

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Please remember to select **Host, Presenter & Panelists**
Presenters

- David Steingraber, Senior Policy Advisor, NCJA
- Robert Boehmer, GAC Chairman and NCJA Global Representative
- Chris Traver, Senior Policy Advisor, Bureau of Justice Assistance
JUSTICE INFORMATION SHARING...

is at the heart of everything we need to do to prevent terrorism, reduce crime and improve the quality of justice in America.
JIS Benefits

➢ More complete information improves decision making
  ▪ Tactical decisions in the field
  ▪ Operational decisions on deployment of resources
  ▪ Management decisions on crime control and public safety strategies
  ▪ Executive and legislative decisions on public policy issues
JIS Benefits

- Information can flow automatically between systems
  - Governed by agreements and access control policies—improving accountability and auditing
  - Greater efficiency by eliminating redundant data entry & reuse
  - Improved information quality by reducing human error
  - Facilitated by national standards
JIS Benefits

- ROI & Cost Benefits
- Data-driven and Evidence Based Strategies
- More useful data sets
  - More accurate performance measures
  - Better program evaluations
  - More reliable applied research
- Strategic Planning
  - Based on data analysis & empirical evidence
JIS Benefits—Bottom Line

Global Standards Facilitate:

- Efficiency
- Effectiveness
- Reuse
- Agility and Flexibility
Connect South Dakota

- A Standards Based Approach to Law Enforcement Information Sharing
Solving Problems

- SORNA Inter-jurisdiction Relocation Service (SIRS)
- Interstate Transfers of Supervised Offenders
The U.S. Department of Justice

Global Justice Information Sharing Initiative
What is Global?

- Organized as a federal advisory body to the U.S. Attorney General
  - Created to support the broad scale exchange of justice and public safety information.
  - Promotes standards-based electronic information exchange to provide the justice community with timely, accurate, complete, and accessible information in a secure and trusted environment.

- Consisting of Justice Information stakeholder agencies, associations, and constituencies representing...
  - LE Agencies
  - Prosecutors, public defenders, and courts
  - Corrections agencies, Probation and parole departments
  - Victim Services
  - Juvenile Justice
Global Advisory Committee (GAC)

Consensus Building, Trust and Collaboration
Justice Information Sharing: The Challenges

- Numerous autonomous justice organizations
- Multiple trust domains
- Heterogeneous technology environments
- Varied governance structures
- Significant investment in legacy environments
- Inconsistent or non-existent policies & procedures
- Disparate, incompatible security mechanisms
Existing systems are mostly custom built to meet existing needs, use customized means for integration, and exemplify standalone “silos” of data, making it costly to share information.
The evolution of information sharing...
The Scope of the Challenge

Different “dictionaries” and “vocabularies” used to store and interpret data

Differing business and technical architectures, e.g., operational capabilities, rules, etc., and technologies, e.g., hardware, software, networks, etc.

Conflicting approaches to secure data, manage users, and ensure controlled access

Different approaches to meet the complex challenges of protecting privacy, civil liberties, and civil rights

Different policies, agreements, and contracts governing information sharing
The Global Tool Kit…

A Common Standards Based Approaches to Facilitate Information Sharing

Data

National Information Exchange Model (NIEM)
- NIEM Users’ Guide
- NIEM Naming and Design Rules (NDR)
- NIEM Conformance
- Information Exchange Package (IEP)
- Information Exchange Package Documentation (IEPD)

Technology

Global Reference Architecture (GRA)
- GRA Specifications
- GRA Implementation Guidelines
- Guidelines for Identifying and Designing Services
- GRA Execution Context Guidelines
- GRA Service Interaction Profiles

Security

- Global Federated Identity & Privilege Management (GFIPM)
- GFIPM Metadata Specification
- GFIPM Operational Policies and Procedures
- GFIPM Governance Guidelines

Privacy

- Privacy Policy Technical Framework
- Privacy Policy Guidelines Templates
- Privacy and Civil Liberties Impact Assessment Templates

Governance

- Statement of Participation
- Service Level Agreement(s)
National Information Exchange Model (NIEM)

- A model for creating data standards
- NIEM Naming and Design Rules (NDR) – technical rules for evaluating conformance
- NIEM Conformance Standards
- Information Exchange Package (IEP)
- Information Exchange Package Documentation (IEPD)-a local adaptation of NIEM tailored for a specific purpose
Global Reference Architecture (GRA)

- Global Reference Architecture (GRA)
- GRA Specifications
- GRA Implementation Guidelines
- Guidelines for Identifying and Designing Services
- GRA Execution Context Guidelines
- GRA Service Interaction Profiles

✓ Service
✓ Service Interaction Profile
✓ Execution Context
Global Federated Identity & Privilege Management (GFIPM)

- NIEF
- Meta Data
- Identity Provider
- Service Provider
Protection of Privacy

- Privacy Policy Technical Framework
- Privacy Policy Guidelines Templates
- Privacy and Civil Liberties Impact Assessment Templates

✓ Privacy Policy Technical Framework
✓ Privacy Policy Guidelines Templates
✓ Privacy and Civil Liberties Impact Assessment Templates
Governing Information Sharing

- Statement of Participation
- Service Level Agreement(s)
- Federation Management
Global Justice Information Sharing Toolkit (GIST)

http://www.it.ojp.gov/gist
Global Justice Information Sharing Toolkit (GIST)

View and search the entire Global product family

- Search for products by keyword, phrase, or document title
- Filter by selecting individual or combinations of filters
- View detailed information and related products
Global Justice Information Sharing Toolkit (GIST)

Navigate a classification hierarchy

- Discover category detail and meaning
- Move back & forth through classification like a directory
- Leverage classification relationships for product analysis
- View detailed information and related products
Global Justice Information Sharing Toolkit (GIST)

Answer questions to generate a customized package of Global solutions

- Filters through the entire set of Global products to create your individualized toolkit
- Returns a result set of products tailored to specific needs
- Eliminates lengthy trial-and-error searching
- Suggests complementary products
Silos of Justice Information

- Law Enforcement
  - RMS Booking System
- Prosecution
  - ECEF
- Courts
  - CMS
  - DMS
  - Jury
- Corrections
  - Jail Intake
  - JMS
Effective and Efficient Information Sharing

The Global Tools using national standards provides inherent agility and scalability and can be utilized on multiple levels for federal, state, local and tribal sharing of justice information.

Global Information Sharing Tools
Standards

- Promote economical and accelerated deployment of technology solutions through a common and widely adopted architecture for data exchange and system interoperability

- In other words: We only invest in systems that are able to communicate with each other in a common language.
Global Standards Package Grant Condition

Global Standards Council (GSC) established

GSC developed the Global Standards Package (GSP) to promote consistency and interoperability of systems across the justice and public safety community.

OJP requires grantee compliance to the GSP and all components thereof.
Primary Components of GSP

The Who, What, Where, When and How of Information Sharing:

- National Information Exchange Model (NIEM) = What
- Global Reference Architecture (GRA) = Where
- Global Federated Identity and Privilege Management (GFIPM) = Who & When
Why are Standards Relevant?

Standards are a common and repeated use of rules, conditions, guidelines or characteristics for products or related processes and production methods, and related management practices.

- **Functional standards** describe business rules and conditions for use of standards within a specific business context
  - Example: Suspicious Activity Reporting

- **Foundational standards** specify technical methodologies and design characteristics to implement information sharing and safeguarding capabilities into systems and foster interoperability
  - Example: National Information Exchange Model (NIEM)
Benefits of Standards

The use of Standards lowers overall acquisition costs by leveraging the economies of scale inherent within local, state, tribal and federal governments while enhancing data sharing and integration of existing systems.
Benefits of Standards

Life Cycle Costs

A closer look....

- Facilitates incremental deployment & modularity which results in lower implementation risk
- Builds on existing solutions, which reduces information sharing cost
- Reuse of existing systems, tools, and resources resulting in cost avoidance
**Benefits of Standards**

**Interoperability**

A closer look....

- Improves justice decision making across all levels of government
- Bridges together disparate lines of business across the CJ life-cycle.
- Increases overall quality and delivery of government services
- Enables consistent process improvements and technical communication between partners
**OJP Special Condition Language**

- In order to promote information sharing and enable interoperability among disparate systems across the justice and public safety community, OJP requires the grantee to comply with DOJ’s Global Justice Information Sharing Initiative (DOJ’s Global) guidelines and recommendations for this particular grant. **Grantee** shall conform to the Global Standards Package (GSP) and all constituent elements, where applicable, as described at: [http://www.it.ojp.gov/gsp_grantcondition](http://www.it.ojp.gov/gsp_grantcondition)

- Grantee shall document planned approaches to information sharing and describe compliance to the GSP and appropriate privacy policy that protects shared information, or provide detailed justification for why an alternative approach is recommended.”
Compliance with GSP

Compliance to the GSP requires conformance to all components of the GSP whenever applicable.

- If the grantee is planning to exchange information across agencies or systems using a common data format, such format is required to be conformant to the National Information Exchange Model (NIEM).

- If the grantee is planning to adopt a service-oriented approach to sharing information, it must leverage the Global Reference Architecture (GRA), and so on.

- If the grantee is planning to establish an identity management of information access control solution across agencies, the Global Federated Identity and Privilege Management method should be employed.
Special Condition Purpose

- Reflect the recommendations of DOJ’s Global to provide consistent guidance promoting JIS best practices and interoperable information sharing capabilities
  - Inducing local & state collaboration
  - Reducing propriety development & unlocking data that can be used for a variety of purposes
  - Providing a toolkit to accelerate development and reduce time to implement
  - Reducing cost & enhancing the ability to sustain initiatives
Role of State Administering Agency

Pre Grant Award:

✔ Imbed the GSP special condition language in all solicitations which would fund IS capabilities.

✔ Identify grant awards that include the development of new justice or public safety IS capabilities between more than one justice or justice-related organization, either now or in the foreseeable future.

✔ Apply the GSP Special Condition to the grant award contract.
Role of State Administering Agency

Pre Grant Award:

✔ Engage the grantee on information sharing planning & validate the proposed approach

✔ Contact BJA if there is uncertainty or potential opportunities for peer-to-peer exchange of ideas across states.
Role of State Administering Agency

Grant Development:
- Facilitate Technical Assistance for the use of GSP

Web resources:
- Communicate the rationale and importance of publishing grantee-developed specifications to the appropriate standards registry, including data consistency, reuse, and improved interoperability

http://www.it.ojp.gov/gist
Role of State Administering Agency

Compliance Monitoring:

√ Utilize standard checklist

√ Assistance from state CIO office or other external resource

√ Technical assistance from BJA TA providers (IJIS, NCJA, SEARCH)

√ Leverage BJA staff and DOJ’s Global members
OJP Justice Information Sharing Web
Conclusion

- Q&A
- Closing Poll
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