Welcome to the webinar!

- You have logged on successfully.
- All attendees have been muted.
- Slides and the webcast from this webinar will be emailed to all attendees after the session.
Questions?

Please use the CHAT feature

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

- Understand the concepts behind ISEs
- Have a greater awareness of how states are implementing ISEs
- Understand the benefits of using national standards to facilitate ISEs
- Know where to access tools and documents to advance information sharing in your state or jurisdiction
- Know how to get involved in the ISE movement
Presenters

Paul Wormeli, President
Wormeli Consulting

Kshemendra Paul, Program Manager
Information Sharing Environment

Linda Rosenberg, Executive Director
Pennsylvania Commission on Crime and Delinquency

Moderator, Tammy Woodhams
Senior Staff Associate
NCJA Center for Justice Planning
National Security Through Responsible Information Sharing

Kshemendra Paul, Program Manager, Information Sharing Environment

Paul Wormeli, Information Sharing Environment

May 2015
An ISE is....

- **An ATTITUDE** that the need to share outweighs the need to know
- **A PHILOSOPHY** that making information discoverable is the basis for all system design decisions
- **A RECOGNITION** that information is an asset and must be safeguarded
- **The COLLECTIVE EXPERIENCE** of many communities of interest, including practices, standards and tools that make information sharing easier and less costly to implement
An ISE is a environment that promotes seamless information exchange between participating department and agencies across federal, regional, state, and local levels. The ISE provides:

• A set of services linked together that foster information exchange
• A method to identify users from multiple agencies and grant them access to selected application and services
• Common standards allowing information to be exchanged and interpreted by connected systems
• A way to test and certify software to ensure it meets the standards
Value to the Mission

• Eliminates duplicate data entry across systems
• Delivers information to the person who needs it at the time a decision must be made
• Reduces errors and mistakes in handling people and cases, reducing liabilities
• Safeguards sensitive information
• Increases overall productivity
• Exemplifies best practices in the use of IT
• SAVES MONEY
The Role of the Program Manager, Information Sharing Environment
Poll Questions

Do you have an existing plan or do you plan to develop a Statewide Information Sharing Environment?

Do you have a governance structure to support a Statewide Information Sharing Environment?
Our Partners Come First

• Federal, state, local, tribal, and territorial agency partners

• National public sector professional associations & operational networks

• International standards orgs & IT industry associations

• Private sector critical infrastructure associations
OVERVIEW

• **Strategy** – To **enhance the sharing of public-safety related information across partnerships** at the federal, regional, statewide, and local departments and agencies through the use of information sharing best practices to **deliver timely, accurate, and comprehensive information** to achieve mission effectiveness.

• **Goal** – To ensure that law enforcement, national intelligence, first responders, and other public safety stakeholders have access to **timely, accurate, and comprehensive information when they need it, where they need it, and in which format**, precluded only by policy or privacy guidelines.
NATIONWIDE CHALLENGES

Evolving & Converging Threats & Risks
- National Approaches to Interoperability
- Collaboration Imperative
- Common Operating Models
- Strengthening Legitimacy
- Consistent, Transparent & Distributed Policies
- Enterprise Data Management
- Integrated Capabilities & Shared Services

750,000+ Officers
18,000 LE Agencies
250,000 911 Operators
1.2 million Firefighters
2.2 million Security Officers
18 CI/KR Sectors
300+ million People
78 Fusion Centers
6 RISS Centers
28 HIDTAs

FBI
NCIJTF ▫ CJIS ▫ FIGs ▫ JTTFs ▫ JRIGs ▫ TSC
DHS
I&A ▫ ICE ▫ CBP ▫ TSA ▫ DNDO ▫ NPPD
DOJ
ATF ▫ DEA ▫ USMS ▫ OJP
Maritime
Domain
State
Air
Domain

Protection of Privacy, Civil Rights, and Civil Liberties

* Numbers are estimates
ISE Mission Portfolios

Statewide & Regional ISE

Watchlisting, Screening, & Encounters

Transnational Organized Crime

Cybersecurity Information Sharing

Domain Awareness

Incident Management
ISE Standards & Technology Portfolios

- Project Interoperability
- Federated Identity, Credential, and Access Management
- Shared Sensitive but Unclassified Services
ISE Enabling Portfolios

Governance

Stakeholder Capacity Building

Digital Engagement & Performance

Staff Operations & Knowledge Management
Building Blocks

- Governance and Policy
- Common Processes
- Field-Base Intelligence & Information Sharing
- Interoperable Sensitive But Unclassified Networks
- Identity, Credential, and Access Management
- Project Interoperability
Many of the States and jurisdictions already share information.....
How do we make it timely, accurate, comprehensive, and consumable for mission readiness?

Depiction of current and on-going information sharing efforts; however, not an all-inclusive representation
Example: Deconfliction

Scalable & Reusable

Mission Need

Operational Capability

Policy & Governance

Data Standards

Technical Service

Technical Standards

Use Cases

Stakeholders

MOU / MOA

Person

Property

Event

Location

Nationwide Law Enforcement Agencies

Partners

DEA

HIDTAs

DOJ

EPIC

RISS

Systems

Case Explorer

RISSafe

SAFETNet
Standards Coordinating Council

www.standardscoordination.org
Discover Interoperable Services

Build Interoperable Services

Extend Interoperable Services

The project is built upon

Authorities, Governance & Policy, Performance Management, Budget and Resourcing, Communications & Outreach

http://project-interoperability.github.io/

The Capabilities

- Architecture Alignment
- Attribute Exchange
- Common Profile
- Data Aggregation (DARA)
- Exchange Patterns
- Geospatial (GIRA)
- Identity and Access Management
- Maturity Model
- National Information Exchange Model
- Reference Architecture
- Standards and Specification Framework
- Springboard
Deploy, leverage and improve ISE tools, management processes, and initiatives

Anchor tools and initiatives, and grow and scale solutions, with and through partners

Support transformation via exemplar solutions, training, and engagement
VISIT ISE.GOV

Project Interoperability

A community start-up guide to interoperability and info sharing. Help us edit and improve it on GitHub!

Information Interoperability Framework (I2F)

Project Interoperability on GitHub

What is ISE?

The Information Sharing Environment (ISE) broadly refers to the people, projects, systems, and agencies that enable responsible information sharing for national security.

ISE on Twitter

@shareandprotect

@shareandprotect
Pennsylvania is the 33rd largest, the 6th most populous, and the 9th most densely populated of the 50 states. The state’s five most populous cities are Philadelphia, Pittsburgh, Allentown, Erie, and Reading. The state capital is Harrisburg.

- PA does not have a Department of Public Safety - JNET is our ISE
- PA has a centralized IT System for our Courts – both Common Pleas and Minor Judiciary.
- PA has 67 counties, over 3,000 municipalities and 1,100 police departments.
- PA has 34,000 law enforcement employees including 28,000 sworn officers in federal, state, regional and local agencies.

CJ Policy Priority - Similar to the rest of the nation, our violent crime rate continues to drop, and the majority of individuals incarcerated in our jails and prisons are there as a result of addiction, mental illness or both. Developing strategies to responsibly reduce our investment in incarceration and to redirect these savings into programs that reduce the likelihood of recidivism remains one of our state’s top criminal justice policy priorities.
Established by law in 1978, the Commission on Crime and Delinquency serves as the justice planning and policymaking agency for the Commonwealth by bringing together diverse and talented stakeholders from state and local criminal and juvenile justice agencies including: judges, prosecutors, law enforcement officers, probation officers, correction officers, treatment providers, educators, victim service providers, legislators and community members.

Our goals are to:

• Empower communities through collaboration.
• Protect and support crime victims.
• Enhance law enforcement.
• Break the linkage of mental health, intellectual disabilities, substance abuse and crime.
• Launch evidence-based, innovative programs.
• Research justice trends that warrant attention and action.
• **Provide technological and information-sharing tools in order to support our goals.**
PCCD Serves as the SAA for Criminal Justice, Juvenile Justice, and Victim Services funds. Administer 33 state and federal funding streams totaling over $100 million annually.
WHEREAS, on March 9, 1996, the Improve Management and Cost Control Task Force ("IMPACT") was established to survey and examine the administrative organization and operations of state agencies in order to secure greater administrative and program efficiency and economy; and

WHEREAS, Sections 501 and 502 of The Administrative Code of 1929 (71 P.S. §§ 191 and 192) require administrative departments and several independent and departmental administrative boards to coordinate their work and activities with other departments, boards, and commissions; and

WHEREAS, historically, justice information systems in the Commonwealth have been fragmented, secondary in the development of independent, autonomous information systems designed to address agency-specific operational needs; and

WHEREAS, the Governor’s Office of Administration initiated the Integrated Criminal Justice (ICJ) Project in January 1996 for the purpose of developing a strategic vision for the sharing of electronic information between justice and justice-affiliated agencies in order to improve operating efficiencies and enhance public safety throughout the Commonwealth; and

WHEREAS, in May 1997, the Governor’s Office of Administration formed a steering committee of agency representatives from the 10 justice and justice-affiliated agencies to develop and implement an initial blueprint for the Justice Network (JNET) Project; and

WHEREAS, the purpose of this Executive Order is to create and formalize the JNET Governance Structure for the Commonwealth’s Justice Network to include the JNET Executive Council, the JNET Steering Committee, and the JNET Office; and

WHEREAS, the establishment of a JNET Governance Structure will facilitate the development of a cost-effective, integrated justice information system that maximizes standardization of information and communications technology across the Commonwealth’s justice and justice-affiliated agencies and, thereby, improves public safety.
JNET - A secure infrastructure that facilitates one-time entry of data by local, county, state, and federal justice agencies thus significantly improving, and continuing to improve, the operations and effectiveness of state, county, and local justice agencies. JNET facilitates the secure exchange of data - horizontally between state justice agencies, and vertically between state and county justice agencies.

PCCD - An infrastructure of relationships between local, county, state, and federal justice agencies which builds trust and, in turn, facilitates collaboration, coordination and cooperation.
County Criminal Justice Advisory Boards (CJABs) are local planning and problem solving groups. The top-level county officials who serve on CJABs take a systemic and policy-level perspective on a broad range of criminal justice issues.
SAA Role in building an ISE

Investments in Statewide Systems

- Local Law Enforcement Systems – CNET
- Central Booking Sites – Offender ID
- County Criminal Justice Systems - County RMS
- County Reporting to JNET
- Law enforcement information sharing – LEJIS
- State Criminal Justice Systems - PSP, JCJC, PCS

Interstate Information Sharing – MARIS
The Global Standards Council (GSC) was created to support the work of DOJ’s Global working groups and related bodies by coordinating the establishment of a common, consistent, and standards-based approach to implementing justice information sharing solutions. To further this goal, the GSC developed the Global Standards Package (GSP) which describes a full information sharing technology standards implementation suite that addresses data standardization, messaging architecture, security, and privacy requirements. In order 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. In addition to offering a common mechanism to share information across agencies, the GSP also promotes the use of open, consensus-based standards to avoid proprietary or restrictive approaches to system integration and interface development. This approach enables adopters to fully realize the cost savings and operational efficiencies that have been demonstrated by those who have already implemented elements of the 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. The primary components of the GSP are as follows:

- National Information Exchange Model (NIEM)
- Global Reference Architecture (GRA)
- Global Federated Identity and Privilege Management (GFIPM)

In addition, certain GSP components enable the development of national, or “reference,” specifications that further promote reuse for enhanced interoperability. Whenever applicable, these reference specifications should be used as a foundation for implementation of complementary business processes. If the grantee wishes to use an alternate format for which a reference specification already exists, specific justification must be included in the grant application narrative.

**National Information Exchange Model (NIEM)**—the NIEM data model and tools are supported by a robust governance process and program management office. NIEM conformance is defined explicitly across a number of dimensions, including data modeling, XML representation, exchange development, and implementation. Detailed guidance on NIEM conformance for grantees can be found at https://www.niem.gov/aboutniem/grant-funding/Pages/implementation-guide.aspx. NIEM also maintains a repository of reusable exchange specifications that can be found at http://www.it.ojp.gov/default.aspx?area=implementationAssistance&page=1108.

**Global Reference Architecture (GRA)**—the GRA provides both a reference architecture to speed agency adoption of Service-Oriented Architecture (SOA)-based approaches to information sharing, as well as a standard methodology for developing particular service specifications that align with specific business functions. Conformance to the GRA generally relies on adherence to the GRA Framework for the former and to the GRA Service Specification Guidelines for the latter. Detailed guidance on GRA implementation for grantees can be found at http://www.it.ojp.gov/default.aspx?area=nationalInitiatives&page=1015. On the same page can be found a list of reference service specification packages (SSPs) that should be reused whenever applicable.

**Global Federated Identity and Privilege Management (GFIPM)**—the GFIPM specifications and guidelines are designed to support secure access to various information systems based on commonly understood and applied protocols for user access and attribute-based access control policies. Rather than serving as a universal approach to securing justice information systems, GFIPM should be used in particular cases where regional, multijurisdictional, or cross-boundary information sharing is occurring and there is a need to create a “federation” of participants who must agree on policy and technical solutions to satisfy interoperability requirements. Conformance to GFIPM primarily relies on use of the GFIPM Metadata standard and adherence to operational policies and procedures. Detailed guidance on GFIPM implementation can be found at http://www.it.ojp.gov/default.aspx?area=nationalInitiatives&page=1179.

As stated above, compliance with the GSP is dependent on the grantee conforming to each of the GSP’s normative components above, whenever applicable. For instance, if the grantee is supporting a project to integrate two reporting systems that already operate within the same security environment and there are no new access control provisions required, then conformance to the NIEM and GRA components of the GSP will be sufficient to satisfy the requirement to comply with the GSP. In general, OJP does not require formal certification of software, tools, etc., to verify conformance. However, additional requirements may be imposed by particular funding programs. In cases where software or services are being procured from private sector partners, the grantee should follow procedures such as those recommended by the IJS Institute to ensure that procured services are in fact conformant. See http://www.ijs.org/resources/pre_rfc.pdf.html.

In addition to complying with the GSP, grantees are also required to adequately address the protection of privacy and civil liberties of those subjects whose data are being shared. OJP requires that prior to implementation of an information exchange solution that such exchange must be governed by an appropriate privacy policy that meets the minimum standards as described by DOJ’s Global Privacy Guide. If the exchange is covered under an existing or umbrella policy, then such policy should be noted and communicated to the grant office prior to execution. For a comprehensive set of resources to address privacy protection in information sharing projects, please visit http://www.it.ojp.gov/privacy.

Does the applicant agency agree to the above terms?
### Interstate ISE Connections

#### Phase 1: Arrest Sharing (aka Priority I)
- Daily or near-real-time arrest files will be directly provided to each state to enable electronic notifications to local and state parole and probationers.

#### Phase 2: Warrant Sharing (aka Priority II)
- Daily or near real-time warrant files will be provided to each MARIS participant to enable electronic out of state notifications of bench warrants to local and state parole and probationers.

#### Phase 3: Direct System Sharing (aka Priority III)
- Service connections between states to provide query/response on persons of interest and return information on arrests, warrants, parole and probation and courts data. This phase would return specific data approved by the JNET data providers.

53 counties in PA are receiving MD notifications.
JNET Stakeholders

- Local, county, state and federal justice professionals across Pennsylvania:
  - 54 state organizations;
  - 57 federal agencies in 42 field offices;
  - 67 counties connected to JNET;
  - 900+ municipal police departments;
  - All 577 magisterial district judge’s offices; and
  - 35,000 users.
JNET Applications

- AOPC UJS Portal
- Crime Network (CNET)
- DCNR ATV and Snowmobile Inquiry
- DOH Birth Record Inquiry
- Domestic Relations Warrants
- DPW Recipient Address Inquiry
- Electronic Reporting Statistics
- JNET Address Search
- JNET Automated Registration System
- JNET Background Check
- JNET Photo Search
- JNET Warrant Search
- JNET Warrant Correction
- JNET CLEAN
- JNET Facial Recognition System (JFRS)
- JNET User Provisioning System
- Justice Data Flexible Search (JDFS)
- Juvenile Case Management Systems
- Juvenile Tracking System
- Learning Management System (LMS)
- Law Enforcement Justice Information Web Interface
- Notifications
- PA Department of Labor & Industry Employment Query
- PBPP-259
- PCCD Constable Query
- PCCD Deputy Sheriff Query
- PennDOT In-Transit Tag
- PennDOT Emergency Contact
- PennDOT License/Registration Pickup
- PennDOT Photos/History
- PennDOT Vehicle Registration
- Pre-sentence Investigation (PSI) Index
- Protection from Abuse Database (PFAD)
- PSP Clean PortalXL
- Sentencing Guidelines Software (SGS Web)
- Search by SID
- Statistical Reports
- User Transaction Log Lookup Report
- WebCPIN
- Web Services Monitoring Tool

*PCCD Supported
Federated Person Search

One search hits against numerous data sources

- **Purpose**: Federated Person Search based upon users role
- **Data Sources**: Court, State and local Corrections and probation and parole, Rap sheet, PFAs, booking and sentencing information
Results in Mobile Environment
• **Purpose:** Assist LE on traffic stop. Provides an officer with vehicle and driver information.

• **Data Sources:** Vehicle status, hot file, drivers license records, court warrants and domestic relations warrants.
JNET Messages & Services

- AOPC Court Case Event Message
- AOPC Court Case Request/Reply
- AOPC Court E-filing
- CCH Adult Disposition
- CCH Juvenile Disposition
- CCH Juvenile Supervision
- CCH Sentence Status Summary
- County Protection from Abuse Filing
- DCNR ATV Service
- DOC Inmate Misconduct
- DOH Birth Certificate
- DOH Deceased Persons
- Fish and Boat Registration Service
- JNET Address Search Service
- JNET ER Inmate Information Service (ERII)
- JNET ER Inquiry Service
- JNET ER Subscription Service
- JNET County Probation Service (ER2P)

- JNET Photo Service
- JNET Warrant Service
- Maryland Arrest
- Master Charge Code Services
- PACSES (DRO) Child Support Warrant
- PBPP Parole Violations
- PCCD Contact
- PCS Sentencing Guidelines
- PCS SGS Web Query Service
- PennDOT Driver Address Change
- PennDOT Driver Service
- PennDOT Vehicle Service
- PSP ORI Updates
- PSP Wants
- Victim Case Association
- Victim Offense – Office of Victim Advocate
- Victim Payment
- Warrant Data Exchange Service

JNET Delivers over 800 million messages annually
The JNET Notification Service provides alerts to criminal justice practitioners when critical events occur regarding an individual or a case.

- Notification events include:
  - Adult Arrests
  - Wants/Warrants
  - Statewide Court Dispositions
  - State Parole Violation
  - PennDOT Change of Address
  - Deceased Persons
  - County Prison Admissions and Releases
  - County Adult Probation Case Events

- Recipients of these messages are then notified via email.

Over 2,000,000 notifications have been confirmed!
A Total of $149M spent (State $135.9M; Federal 13.1M)
Captures Offender Arrest Information:
- Criminal Complaint data
- Palm Prints
- Fingerprints (10 print)
- Photographs

Completes Criminal History Background Check (PA, other states and federal systems).

Updates Criminal History Records and assigns a State Identifier (SID) to the offender if first offense.

Assigns an Offense Tracking Number (OTN) for the offense to be used by the PA Courts and PSP for records.
Fingerprint Compliance Dashboard

Dauphin County
Local Law Enforcement Agencies Only

Jurisdictions: Dauphin County

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<th>Total</th>
<th>Printed</th>
<th>Rate</th>
</tr>
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<td>1</td>
<td>100%</td>
</tr>
<tr>
<td>Dauphin County District Attorney</td>
<td>37</td>
<td>32</td>
<td>88.4%</td>
</tr>
<tr>
<td>Dauphin Township Police Dept</td>
<td>114</td>
<td>104</td>
<td>91.2%</td>
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<td>3</td>
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</table>

Offenses Not Fingerprinted

- Felony: 34/13.6%
- Summary: 32/12.6%
- Misdemeanor: 184/73.6%

Total Cases Not Fingerprinted = 254 of 1,795
Data to Inform Policymaking

Criminal Justice Advisory Boards

Data Dashboards

- Law Enforcement
- Courts
- Sentencing
- Jails
- Probation and Parole
- Victims
County CJAB Information
Q & A

To submit questions for the presenters please use the chat feature on the right hand side of your screen.
Please select Host and Presenter
Q&A

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Get Access to Members-Only Features!

Join JISP and get members-only access to news and events, discussions, virtual library, and practitioner network.

Sign up today! Membership is free!
NAJIS Conference
Thank You for Joining Us!

The webcast and slides from today’s webinar will be posted at http://www.ncja.org/webinars-events/state-jis-enhancement

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