



November, 2008

JNET Services

The Integrated Criminal Justice Vision

- **On June 8, 1999, an Executive Order was signed to create and formalize the JNET Governance Structure.**

- **JNET was formalized with the following vision:**
 - To enhance public safety through the integration of criminal justice information throughout the Commonwealth by adopting business practices which promote:
 - cost effectiveness;
 - information sharing; and,
 - timely and appropriate access to information

- **JNET is:**
 - Commonwealth's primary public safety information broker.
 - A secure online "virtual single system" for the sharing of justice information by authorized users.
 - Information portal supported by various municipal, county, state and federal agencies.

Pennsylvania Justice Network (JNET)

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- **A secure online "virtual single system" for the sharing of justice information by authorized users.**
- **Information contributed by various municipal, count, state and federal agencies.**

Pennsylvania Justice Network (JNET)

- **The Pennsylvania Justice Network (JNET) is a collaborative effort of 16 state agencies to build a secure integrated justice system.**
- Administrative Office of Pennsylvania Courts
- Board of Pardons
- Board of Probation and Parole
- Commission on Crime and Delinquency
- Commission on Sentencing
- Department of Corrections
- Department of Public Welfare
- Department of Transportation
- Governor's Policy Office
- Governor's Office of Administration
- Office of Attorney General
- Office of the Budget
- Office of General Counsel
- Office of Inspector General
- Juvenile Court Judges' Commission
- Pennsylvania State Police



Pennsylvania Justice Network (JNET)

Governance & Structure

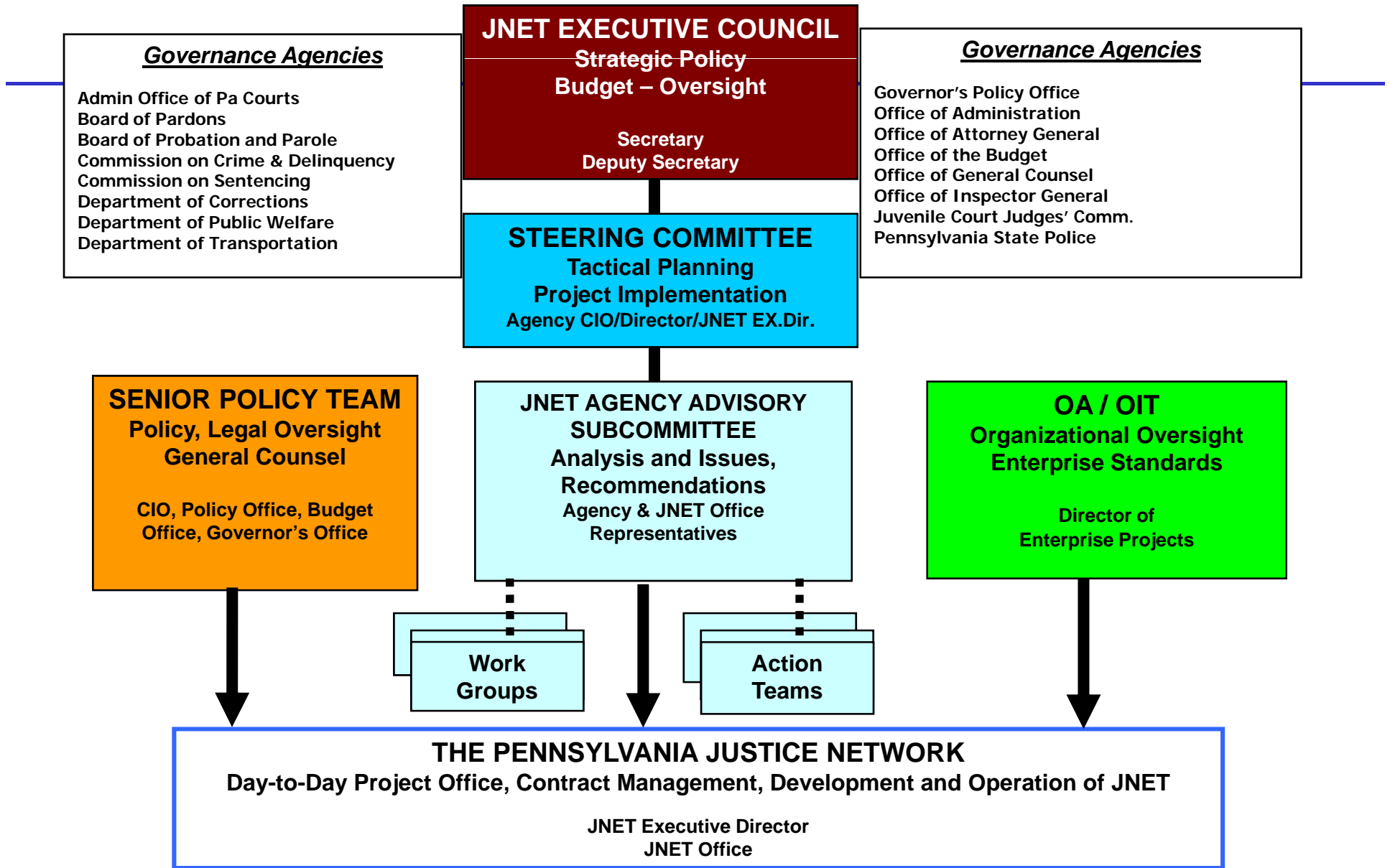
- **Executive Level Sponsorship & Education**
 - **Executive Council & Senior Policy Board**

- **Manager/Director Level Vision & Leadership**
 - **Steering Committee, Senior Managers, Sub Committees**

- **Staff/Contractor Level Commitment**

- **Technical Expertise**

- **Subject Matter Experts**
 - **Day to day development, operations, communications & support**



JNET Vision Statement

- Through the full commitment of its member agencies, leadership and staff resources, the Pennsylvania Justice Network will promote safer communities throughout the Commonwealth of Pennsylvania by providing the complete and secure integrated justice system to all of Pennsylvania's public safety partners.



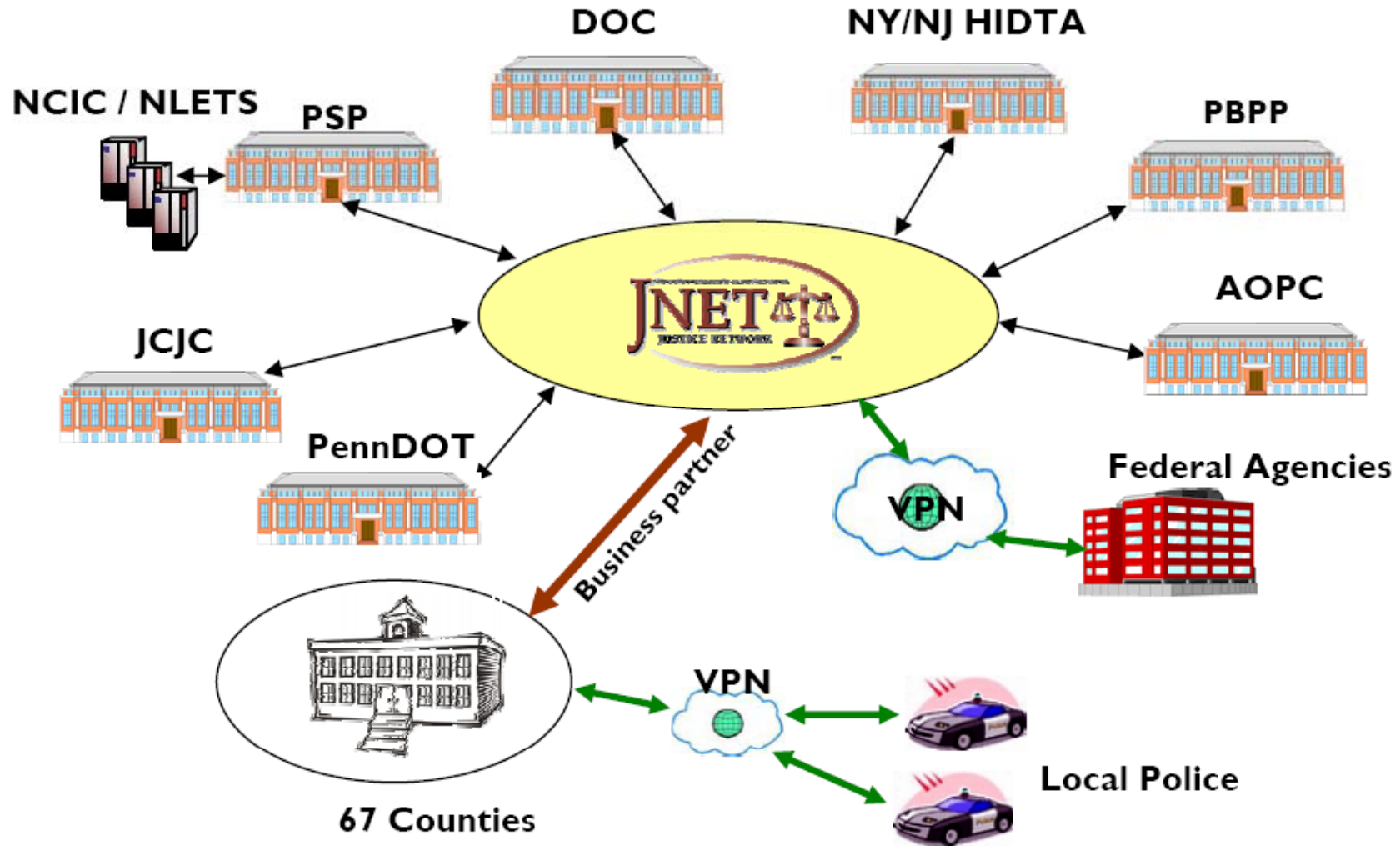
JNET Mission Statement

- **The Pennsylvania Justice Network will lead the transition from collaboration to integration. JNET will continue to be a national leader in timely, accurate and secure information access and exchange by:**
 - Providing a platform that enables diverse agencies, systems and people to convene around a common goal of improved public safety, integrated justice and information exchange;
 - Resolving horizontal and vertical integration issues to ensure a coordinated, federated approach to integrated justice and information exchange;
 - Deploying emerging technologies that will support the operational needs of the public safety community of practice and the extended enterprise of integrated justice;
 - Pursuing more aggressive means to ensure protection of data, adherence to security protocols and policies and the ongoing auditing of data access and exchange;
 - Exploring cost effective solutions for exchanging justice and public safety information.

JNET Community

- **Over 34,000 registered local, county, state and federal government justice professionals across Pennsylvania from:**
 - 54+ Commonwealth Organizations
 - 42+ Federal Agencies connected in 52+ field offices
 - 67 Counties connected to JNET
 - 900+ Municipal Police Departments
 - All 577 Magisterial District Judge's Offices

- JNET's distributed approach to information sharing is the foundation of our statewide secure infrastructure. This approach requires state, county and local partnerships to create and maintain a cost effective infrastructure solution. Access to JNET is dependent upon Commonwealth circuits, JNET Public Key Infrastructure (PKI) and county supported local area networks and virtual private netv



JNET Security Model

Security - The JNET PKI allows agencies and authorized users to invoke multi-factor authentication models including cryptographic modules, digital certificates, e-tokens, and smart cards. Stationary users who access JNET from their desktop are afforded Federal Information Processing Standard (FIPS)140-2 compliance and 128-bit Secure Socket Layer SSL encryption.

Flexibility - Users selecting a roaming credential solution invoke the same security standards coupled with a second form factor of identification and authentication. These roaming credentials enable the end-user to access secure JNET from any secured network throughout the Commonwealth's justice community without being connected to a specific desktop workstation.

By offering alternatives to conventional certificate management policies, and by ensuring state and federal security compliance, agencies have choices when considering authentication methods that align with existing organizational goals.

JNET Information Service Bus

- **Information Access** - The JNET portal or inquiry function allows JNET users to enter a search criterion via a web browser and simultaneously query information from disparate state and county justice databases.
- **Web Services** – JNET Information Services Bus (ISB) utilizes web services a platform for information sharing, application integration, and business process execution while continuing to ensure that agencies retain ownership over their data. Web services invoke business processes to call data from a variety of sources and compile them into business information.
- **Integration Services** – Transforms the ISB into an Enterprise Service Bus (ESB) removes the “application silos” by creating business tools for end users by combining web services into integrated business services.

Training

End User Education - The JNET Learning Management System (LMS) is a secure portal application that supports the online training needs of public safety practitioners.

- The JNET Learning Management System is available 24/7 and offers courses to students based on their JNET user role.
- Provides instructional web-based courses and business case scenarios that assist users when taking online training courses.
- Cost-effective alternative to instructor led training where all participants are provided the latest information on JNET applications and enhancements.
- JNET training programs offer courses, register students, and track student progress. These Training Management and Tracking tools provide control over end user education both on line and instructor lead.
- Users who complete certain LMS courses will retain their access to secure JNET content. Users who do not keep their certification current are automatically downgraded to a lower user role.

Pennsylvania Justice Network (JNET)

- **JNET created a security framework and trust model that provides the following:**
 - **Identification**— a collection of attributes that uniquely describe an object or entity that provides assurance of the identity of a user or end entity in order to grant access to a JNET resource (e.g., web/application server, data, or system).
 - **Authentication** – A process by which an entity or object’s identity (credentials) is challengeable and validated.
 - **Data Protection & Confidentiality** – Through Encryption, VPN and SSL ensure that all data and transactions cannot be intercepted and viewed by an unauthorized third party.
 - **Data Integrity** – ensure that data is not altered during transmission.
 - **Non-repudiation** – prevent someone from denying they originated a transaction, message, or data.

Pennsylvania Justice Network (JNET)

- **JNET created a security framework and trust model that provides the following:**
 - **Single Sign-On** – provide the user with the capability to access multiple systems and servers in JNET using a single ID without having to login each time the user accesses a different server or system.
 - **Access Control & Entitlement**– Mechanisms that allow the provision of fine-grained access control down to the functions users are able to perform with a given application. Users can be categorized by roles for role-based access control (RBAC). controls and authorizes access to JNET resources (e.g., web/application server, data, or system) based on user roles or groups.
 - **Authorization** - A set of processes and controls used to restrict the resources an authenticated entity or object is allowed to access. There must be explicit authorization to perform a service.
 - **Audit** – the behavior of an identity can be demonstrable and audited to verify compliance with agreed authorizations.

Functionality

- **Inquiry** – Justice Data Flexible Search, PennDOT, Photos, Warrant Search
- **Notifications**
- **Secure Electronic Mail**
- **Data Exchange**
- **Statistical Reporting**

JNET User Community

- **Criminal History**
 - Access to all JNET data & Services.
 - Access to CHRIA protected data.
 - Access to NCIC.
- **PA Criminal History**
 - Access to all JNET data & Services.
 - Access to CHRIA protected data (PA only).
- **Criminal Justice**
 - Access to all JNET data & Services.
- **Non Criminal Justice**
 - Access to AOPC and PennDOT public data only.

- **Entitlements**
 - Additional services available (in addition to user-role privileges), when approved by contributing agency; SGS Web, JTS, ACT 84, cNET.

Information Accessibility

- Justice Data - SID/OTN Lookup
- Justice Data Flexible Search
- Master Name Look up
- Justice Data Search by SID
- Juvenile Tracking System (JTS)
- DOC Act 84
- JNET User White Pages Directory
- DOC/PBPP County Transfer Reports
- Electronic Reporting
- LMS Administration
- PennDot Driver History
- PennDOT Certified Registration Application
- PennDOT Driver History Report
- PennDOT Change of Address
- PennDot Photos & Demographic Data
- SGS Web Sentencing Guideline Software
- WebCPIN - Photo database with Booking
- AOPC Warrant Search
- Access to State and National Systems
- Master Charge Code
- Crime Network (cNET)
- Notification Watchlists
- DPW PASCES Warrant Lookup
- PSP CLEAN & NCIC
- Protection From Abuse (PFAD)
- DOH Deceased Person's Notice
- DOH Birth Certificate Verification
- PEMA
- DCNR

National Standards

- **Nationally, NIEM has been embraced as the standard for data exchange.**
 - Bureau of Justice Assistance
 - Department of Justice
 - National Governor's Association
 - SEARCH
 - Justice Information Sharing Professionals

- **NIEM reaches beyond public safety & criminal justice domains associated with GJXDM.**

- **JNET is recognized as a national leader for information sharing.**
 - 2004 – NGA Grant Award for GJXDM
 - 2006 – NASCIO Recognition Awards Program for GJXDM
 - 2008 – Computer World Honors for SOA & NIEM
 - 2008 – NGA Grant Award for NIEM

Barriers

- **Technology is really no longer the barrier to information sharing – the barriers are:**
 - Governance
 - Policy
 - Law & Regulation
 - Trust
 - Funding
 - Privacy Concerns