Hawaii Integrated Justice Information Sharing (HIJIS) Program

Open Justice Broker Consortium (OJBC)

NASCIO Innovations Forum
November 27, 2012

Sponsored by:
The NASCIO Enterprise Architecture
& Governance Committee

Presenters:

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    Data Processing Systems Manager
    Hawaii Criminal Justice Data Center
    Department of the Attorney General

Glenda Winn
    Systems Analyst
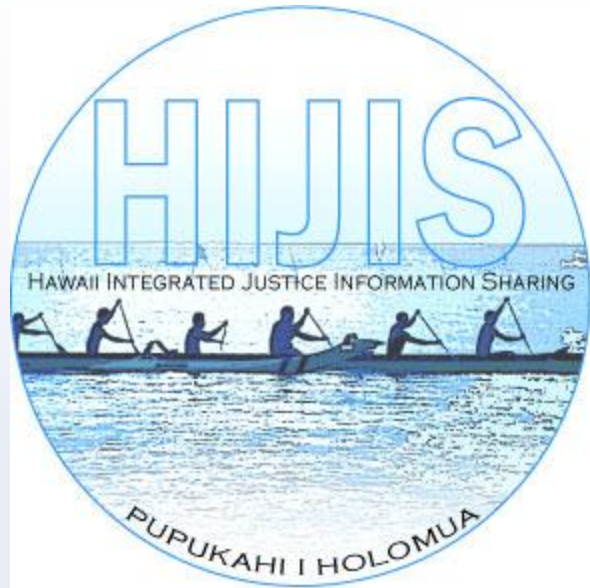   *Office of Information Technology*
    Maine State Police

Scott Came
    Deputy Executive Director
    SEARCH
    The National Consortium for Justice Information and Statistics

Host:

Eric Sweden
    Program Director, Enterprise Architecture & Governance
    NASCIO

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Hawaii Integrated Justice Information Sharing (HIJIS)

NASCIO Conference Call

November 27, 2012

Presentation Topics

HIJIS Background
       HIJIS Strategic Plan
       HIJIS Architecture
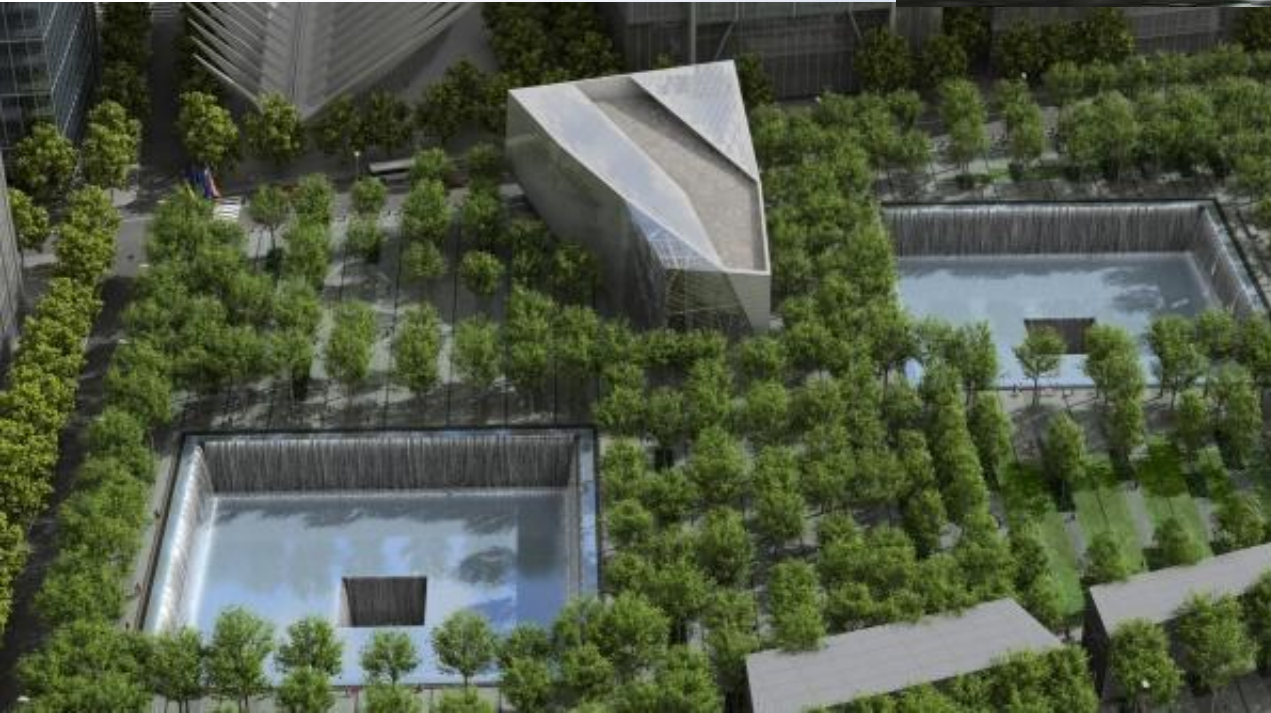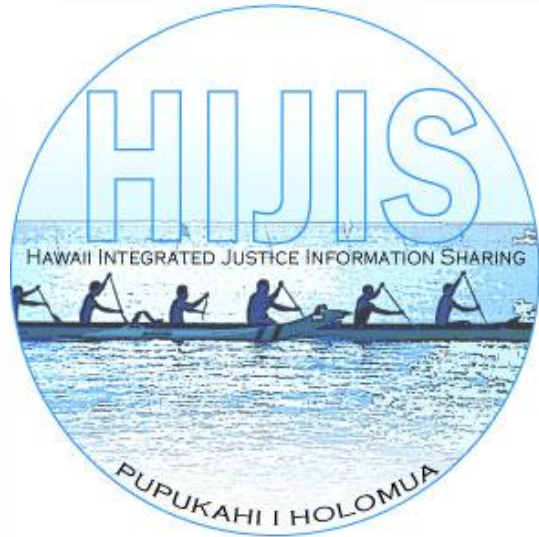   HIJIS Privacy Policy

Joins Open Justice Broker Consortium of States

Current Pilot Projects
       Federated Query
       Subscription/Notification
       Federated Identity (Security, Authorization, Privacy)

Next Steps

Why?

HIJIS
HAWAII INTEGRATED JUSTICE INFORMATION SHARING
PUPUKAHI I HOLOMUA

Remember!

HIJIS Mission & Vision

Pupukahi I Holomua

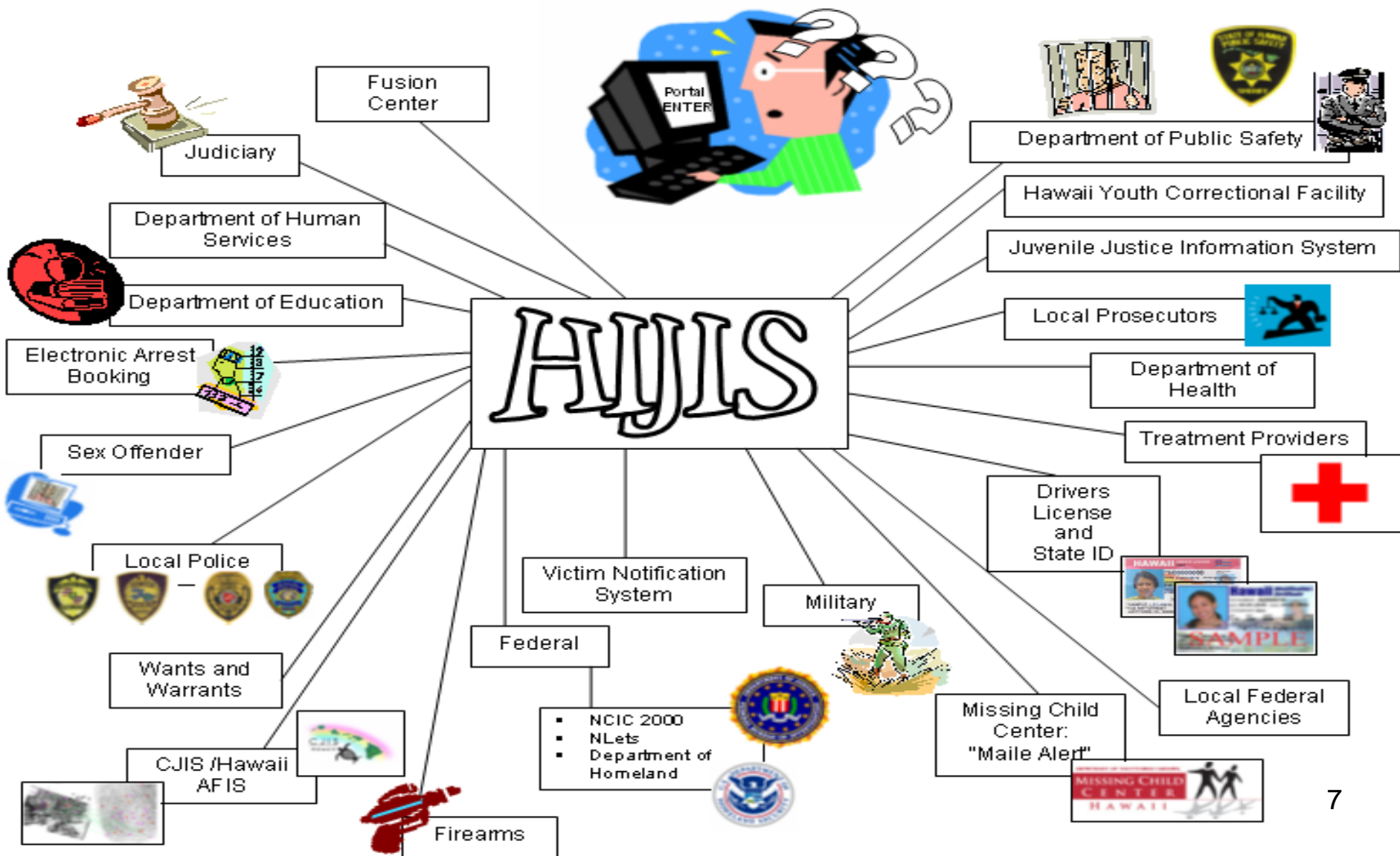Unite in order to progress…

Mission

The mission of the HIJIS Program is to facilitate collaborative decisionmaking, coordinated planning, and cooperative implementation among justice agencies and relevant partners for the fair, efficient, and effective operation of the justice system.
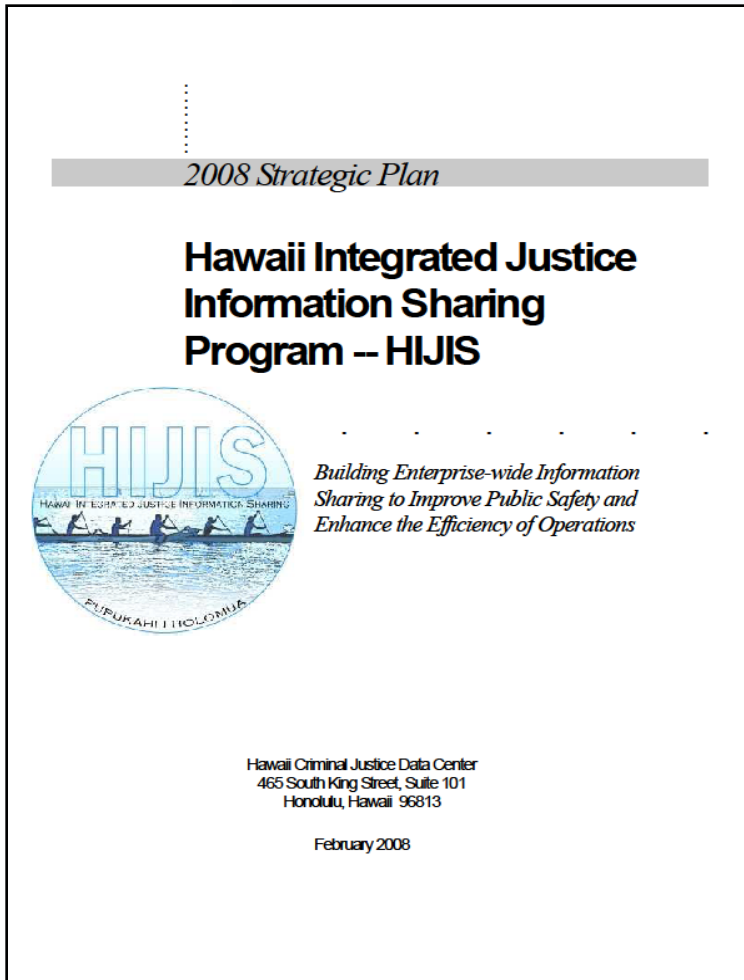
Vision

The HIJIS Program envisions statewide services via a common architecture to securely and efficiently share appropriate information, both locally and nationally, for justice and non-justice purposes, for improved public safety and homeland security, while respecting the privacy of citizens.

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Connecting, Querying, Sharing

HIJIS Strategic Plan 2008

2008 Strategic Plan

Hawaii Integrated Justice Information Sharing Program -- HIJIS

Building Enterprise-wide Information Sharing to Improve Public Safety and Enhance the Efficiency of Operations

Hawaii Criminal Justice Data Center
465 South King Street, Suite 101
Honolulu, Hawaii 96813

February 2008

- HIJIS Program initiated in March 2007

- Strategic Plan adopted in 2008

  - Business-driven
  - Technology-enabled

- Agency decision makers and operational practitioners define their business requirements for information sharing and access; requirements drive goals, objectives, and approach for the HIJIS Program

- Builds enterprise-wide information sharing to:

  - Improve public safety & homeland security
  - Enhance efficiency of operations

- Leverages national information sharing standards and best practices

HIJIS Governance
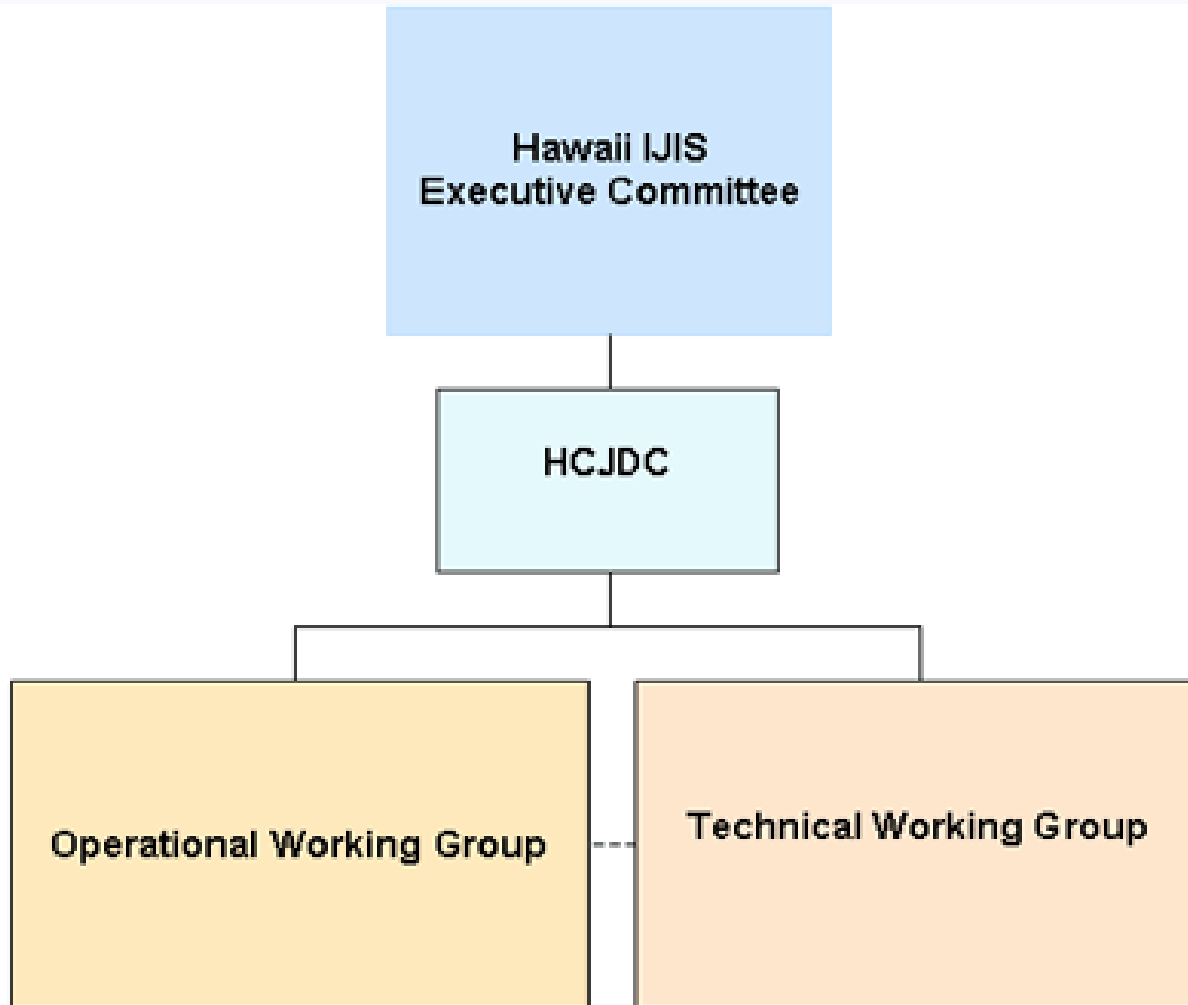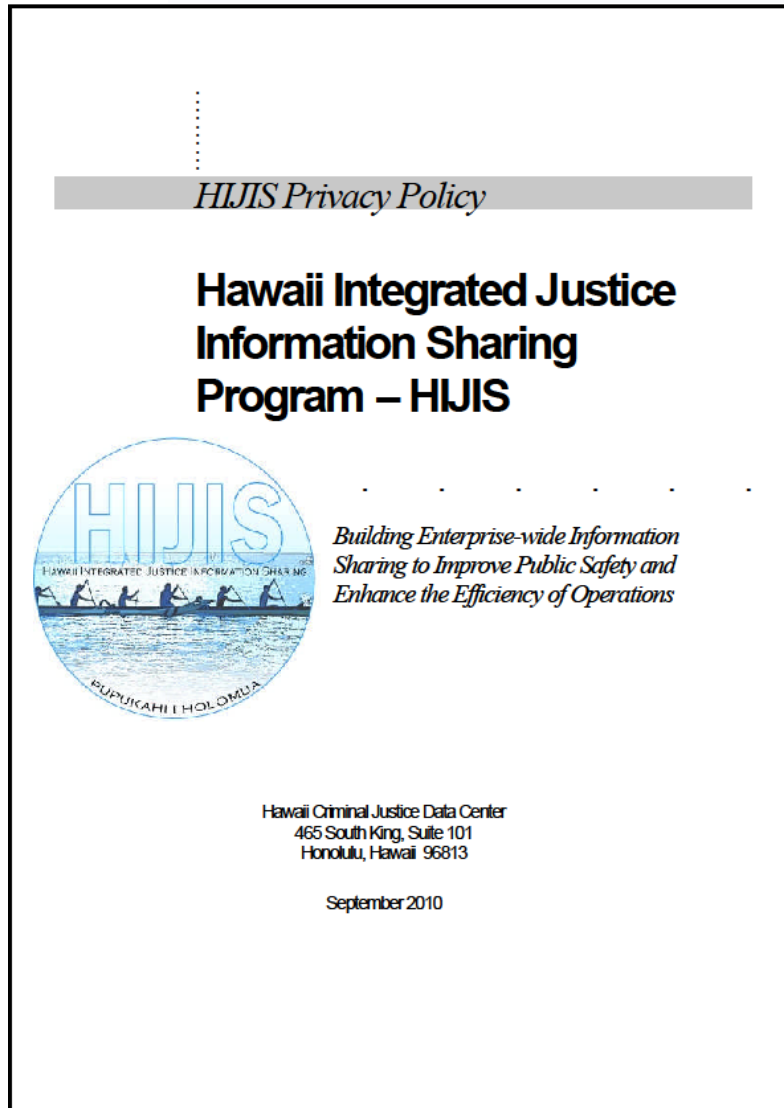
Memorandum of Agreement (MOA)

- In 2008 each HIJIS Executive member signed an MOA committing their own, agency, and staff to support HIJIS and its initiatives

- Re-signed in 2011 with current Executive members to reconfirm prior commitment including privacy policy

- Re-signed in 2012 with current Executive members to commit to Federated Identity Management

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HIJIS Funding

Primarily federal funding via grants and earmarks

HIJIS Privacy Policy 2010

HIJIS Privacy Policy

Hawaii Integrated Justice Information Sharing Program – HIJIS

Building Enterprise-wide Information Sharing to Improve Public Safety and Enhance the Efficiency of Operations

Hawaii Criminal Justice Data Center
465 South King, Suite 101
Honolulu, Hawaii 96813

September 2010

Executive Committee and Working Groups adopt Privacy Subcommittee's HIJIS Privacy Policy.

Hawaii selected as a pilot state and funded by National Governor's Association (NGA).

HIJIS Architecture 2010

HIJIS Architecture
Version 1.1
October 1, 2010

Executive Committee and Working Groups adopt architectural standards and guidelines to implement HIJIS vision.

HIJIS Architecture

- As part of our strategic planning process we developed a Technical Architecture for HIJIS with SEARCH, utilizing:
  - Service Oriented Architecture (SOA)
  - Center of Excellence (COE)
- We will leverage national best practices and toolkits, including:
  - National Information Exchange Model (NIEM) 2.0
  - Justice Information Exchange Model (JIEM) reference model
  - Global Justice Reference Architecture (GRA)
  - Global Federated Identity and Privilege Management (GFIPM)
  - Industry standards
- Opportunity to collaborate with ICSD/OIMT to align and extend the State's technical architecture, and ensure statewide infrastructure supporting HIJIS

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HIJIS Joins Open Justice Broker Consortium (OJBC)

- HIJIS has begun taking advantage of the OJBC collaboration:
  - OJB broker serves as "hub" for HIJIS federated query
  - Interface for sharing criminal history information (CJIS Hawaii)
  - Reuse of existing bench warrants information
  - Interface with existing state web portal platform (HIC)
- Allowed us to build query pilot very rapidly (six weeks)
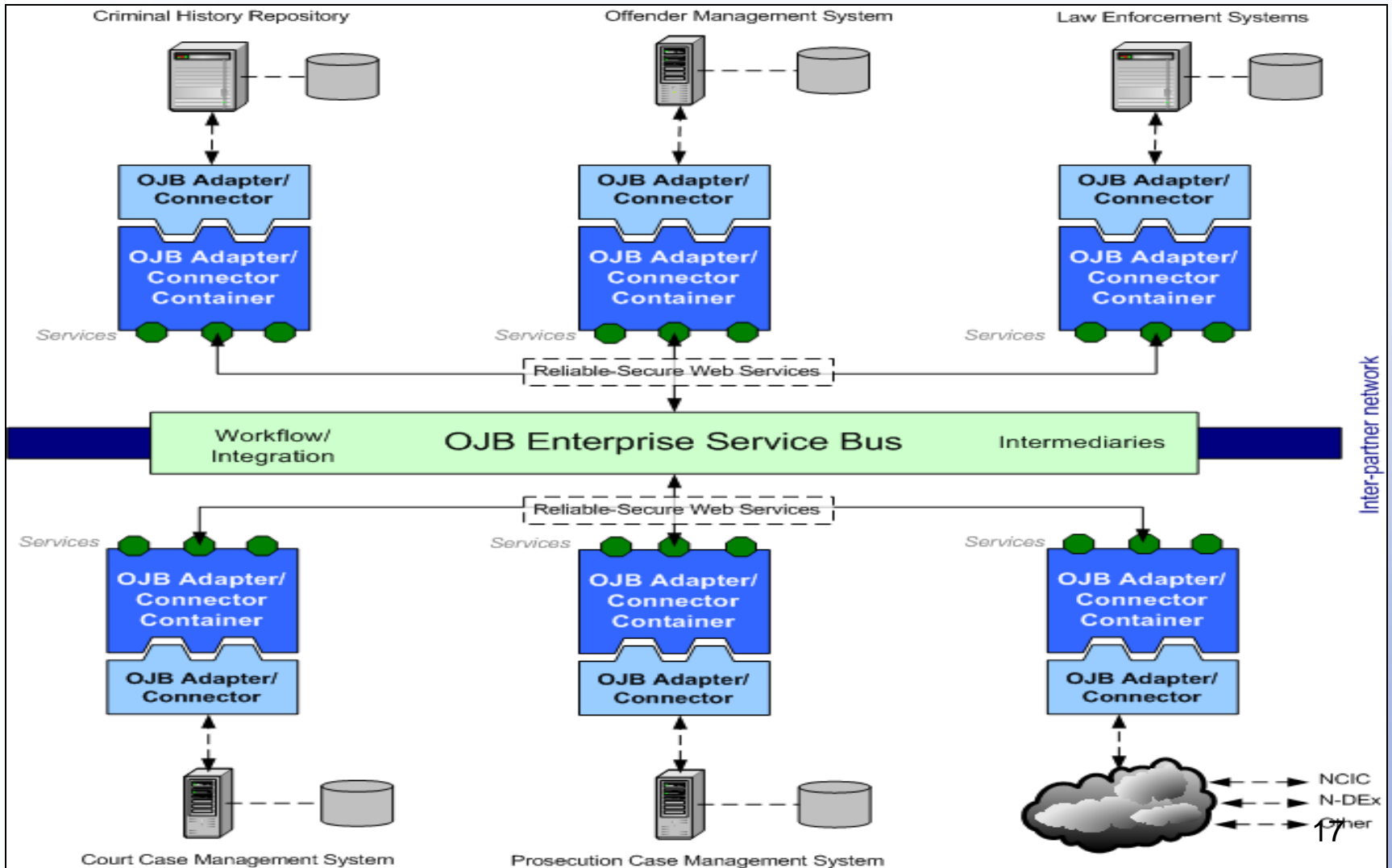
OJB Supported Standards

OJB contains turnkey, off-the-shelf implementations of:

- **NIEM** 2.0
- **JIEM** reference model
- **GRA**
- **GFIPM**
- Industry standards (web services, etc.)

OJB Architecture

HIJIS Pilot Programs 2010-11

- **Subscription Notification**

- **HIJIS Query (includes Federated Identity Management)**

Maine Pilot Programs 2010-11

- **Maine Incident Reporting Service**
    - **N-DEx Record Submission**
    - **Charge Referral**

Maine Incident Reporting Service (Pilot Project)

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Maine Justice Information Sharing Architecture (MJISA)

Similarities to HIJIS…

▸ Technical architecture (SOA, COE)

▸ Leverage national best practices and tools (NIEM, JIEM, GRA)

▸ Governance

▸ Goals

  ▸ Facilitate sharing of criminal history information

  ▸ Enable reuse of infrastructure and technology investments

  ▸ Collaborate to avoid costly silo implementations

  ▸ Build an enterprise-wide justice information sharing framework

  ▸ Integrate business processes across independent justice partner organizations

Maine & the OJBC

▸ Maine joins Open Justice Broker Consortium (OJBC)

  ▸ Value to reusing exchanges at the state level, so why not nationally?

    ▸ Conform to the same national standards

    ▸ Use same open source technology

    ▸ Have the same needs for common set of exchanges

  ▸ Value in being able to reuse what other states have developed

    ▸ Avoid creating exchanges from scratch (less costly)

  ▸ Value in

    ▸ Developing information sharing capabilities collectively

    ▸ Making our work available to others

    ▸ Working collaboratively with other Consortium members and staff to further development of common exchanges

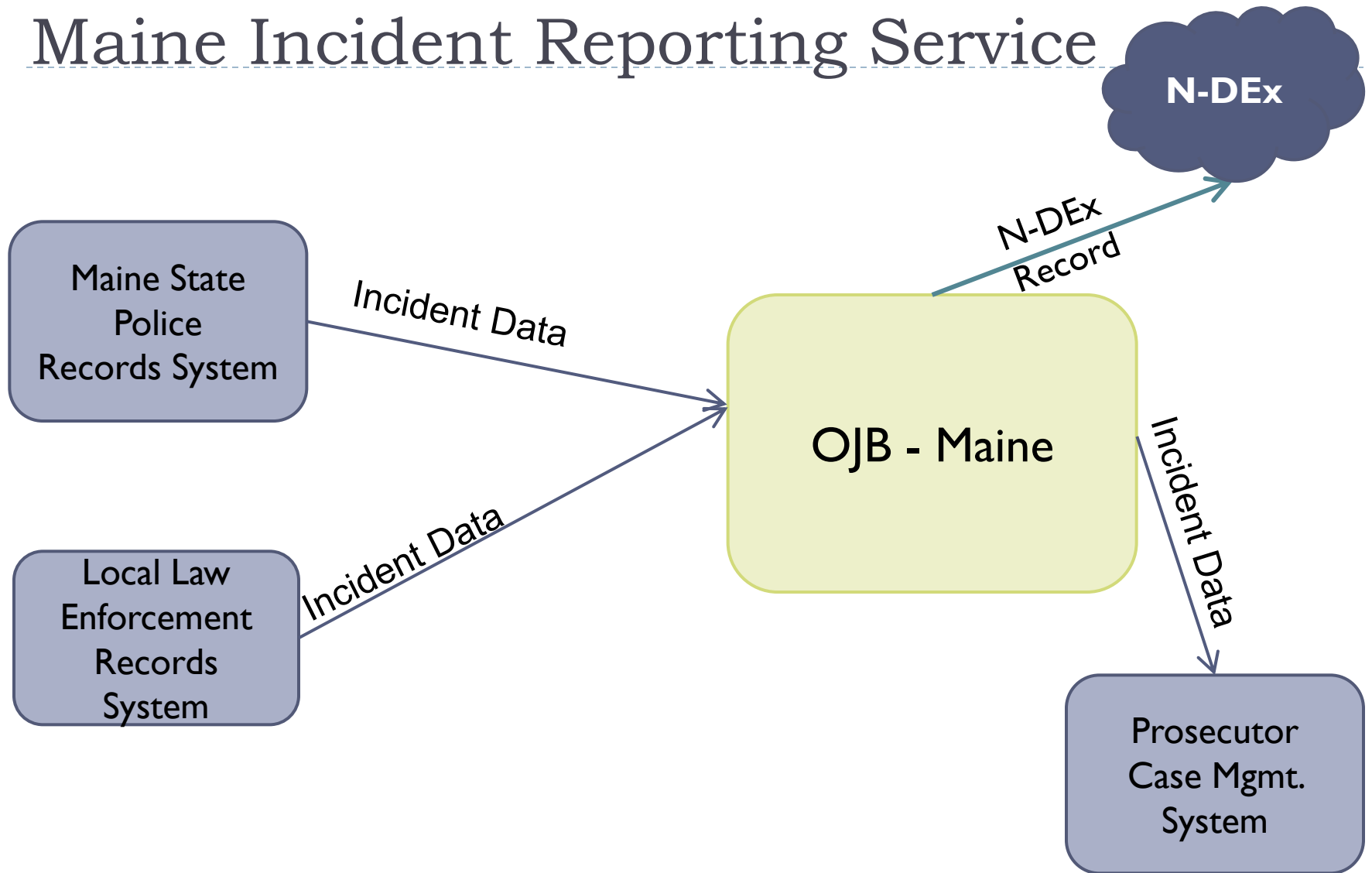# Pilot Project –
Maine Incident Reporting Service

▸ **Maine State Police partners with the Maine Prosecutors' Association**

  ▸ N-DEx* Record Submission and Charge Referral

  ▸ Uses standard NIEM N-DEx Information Exchange Package Document (IEPD)

  ▸ Incident information from law enforcement records system is delivered either:

    ▸ To N-DEx, or

    ▸ To Prosecutors' case management system, or

    ▸ To both destinations

  * Law Enforcement National Data Exchange

Maine Incident Reporting Service

N-DEx

Maine State Police Records System → *Incident Data* → OJB - Maine

Local Law Enforcement Records System → *Incident Data* → OJB - Maine

OJB - Maine → *N-DEx Record* → N-DEx

OJB - Maine → *Incident Data* → Prosecutor Case Mgmt. System

Pilot Project and OJBC - Benefits

▶ Maine law enforcement can use N-DEx to share incident data locally and nationally

▶ Prosecutors experiencing savings by eliminating duplicate data entry

▶ Using OJB technology (open source) kept costs down

Pilot Project and OJBC Benefits

▸ By applying GRA standards, developed software and design concepts that can be shared with OJBC

  ▸ Exchange available to OJBC members

  ▸ Reuse of infrastructure and technology investments

▸ Next 18 month planning cycle under review

  ▸ Potentially includes subscription/notification service

  ▸ Using Hawaii's OJBC contribution will result in a more affordable and attainable objective

Overview of the Open Justice Broker Consortium

NASCIO Webinar | November 27, 2012
Scott Came | Deputy Executive Director | SEARCH

What is the OJBC?

- **What is it?**
    - A new consortium of justice organizations / initiatives / jurisdictions
    - Goal of consortium: <u>reduce cost</u> and <u>increase speed</u> of implementing integrated justice through reuse
    - 100% Member-Governed and Dues-Funded

- **How are we working towards this goal?**
    - Collaborating on common exchanges
    - Sharing technology (standards-compliant, open source)
    - Developing shared staff expertise
    - Sharing lessons learned

Why the OJBC?

Information Sharing is more important than ever:

- Public safety and homeland security

- Cost savings from automation

- Accountability

- Support for innovative business practices

But we can't afford not to consider:

- Sharing tools and technology

- Collaborating and coordinating efforts

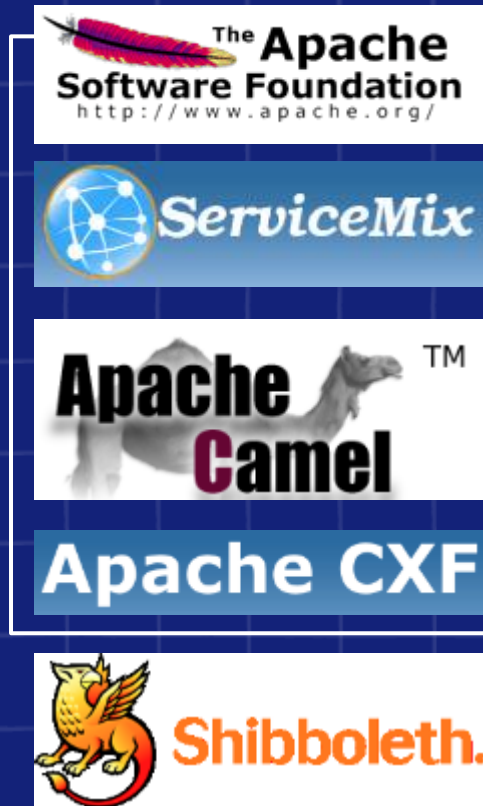- Leveraging open source software

- Harvesting what we've planted

Capabilities

Features

- Federated Query
- Subscription-Notification
- N-DEx Submission
- Charge Recommendation
- Federated Identity Management
- Entity Resolution

Technologies

Standards

- GRA
- GFIPM
- NIEM
- LEXS
- Global Technical Privacy
- WS-*

OJBC
OPEN JUSTICE BROKER CONSORTIUM | WWW.OJBC.ORG

What We've Demonstrated

- **Three members: Hawaii, Maine, Vermont**

- **Open source technology works and interoperates with proprietary software where necessary**

- **Global standards (GRA, GFIPM, NIEM) are viable and supported by open source**

- **Architecture/approach support rapid delivery of live exchanges at very low cost (around 10-20% of the cost of commercial/proprietary alternatives)**

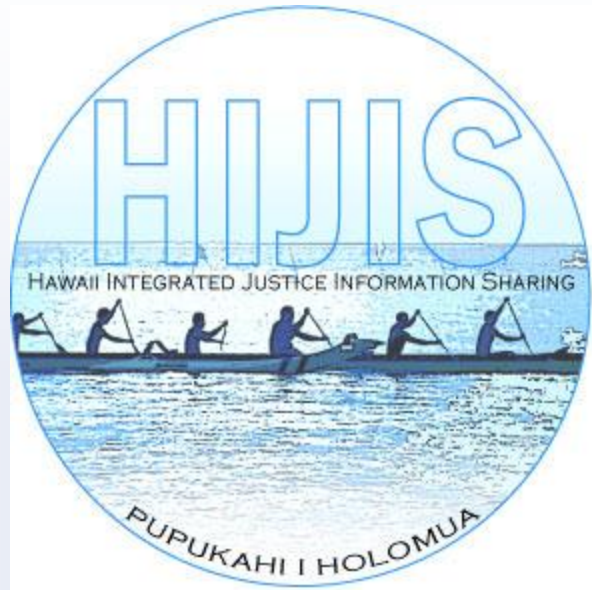# Thank You!

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Questions?

Presenters' Contact Information

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