



National Information Exchange Model (NIEM)

CJIS Technology Committee Recommendation:

The goal of the CJIS Community is that all new Business Technology Projects and Upgrades adopt Niem conformance for data exchange with CISS, OBTS, and CIDRIS.



National Information Exchange Model (NIEM)

- **NIEM is a national, multi-community data model**
- **Made possible by input and review from State, Local, Federal, and Tribal agencies**
- **The NIEM physical model is XML schema**
- **NIEM provides a foundation for developing information exchange specifications (IEPDs)**



National Information Exchange Model (NIEM)

Why set a standard?

- **Enable People and Systems to Talk to Each Other**
- **Avoid Errors and Misunderstandings**
- **Save Time and Money!**





NIEM Federal and National Adoption and Use

Department of Defense

Department of Justice

Department of Homeland Security





NIEM Federal and National Adoption and Use

Mississippi

Ohio

Virginia

New York

Florida

Pennsylvania

Texas

Maryland

California

Kentucky

Nevada





NIEM Federal and National Adoption and Use

- The Program Manager-Information Sharing Environment has designated that NIEM will be the standard for sharing counterterrorism information.
- The FBI Criminal Justice Information Services (CJIS) Advisory Policy Board (APB) voted to migrate the exchanges supported by the National Crime Information Center (NCIC) to NIEM.



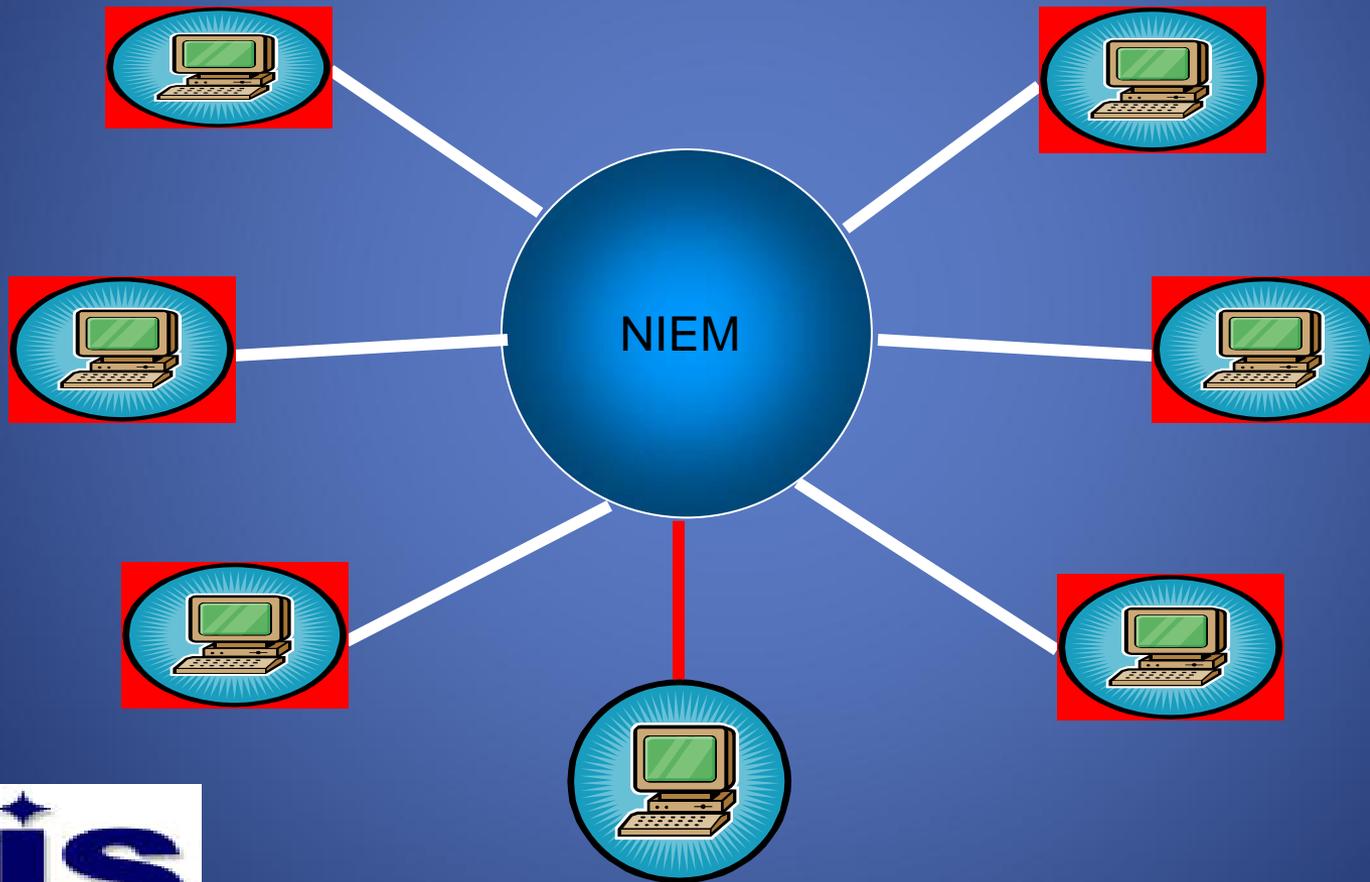
NIEM National Exchange Development

- The FBI Criminal Justice Information Services (CJIS) Suspicious Activity Reporting (SAR)
- •Terrorist Watchlist Person Data Exchange Standard (TWPDES)
- •DHS Person Screening
- •DHS Infrastructure Protection
- •DHS Emergency Management



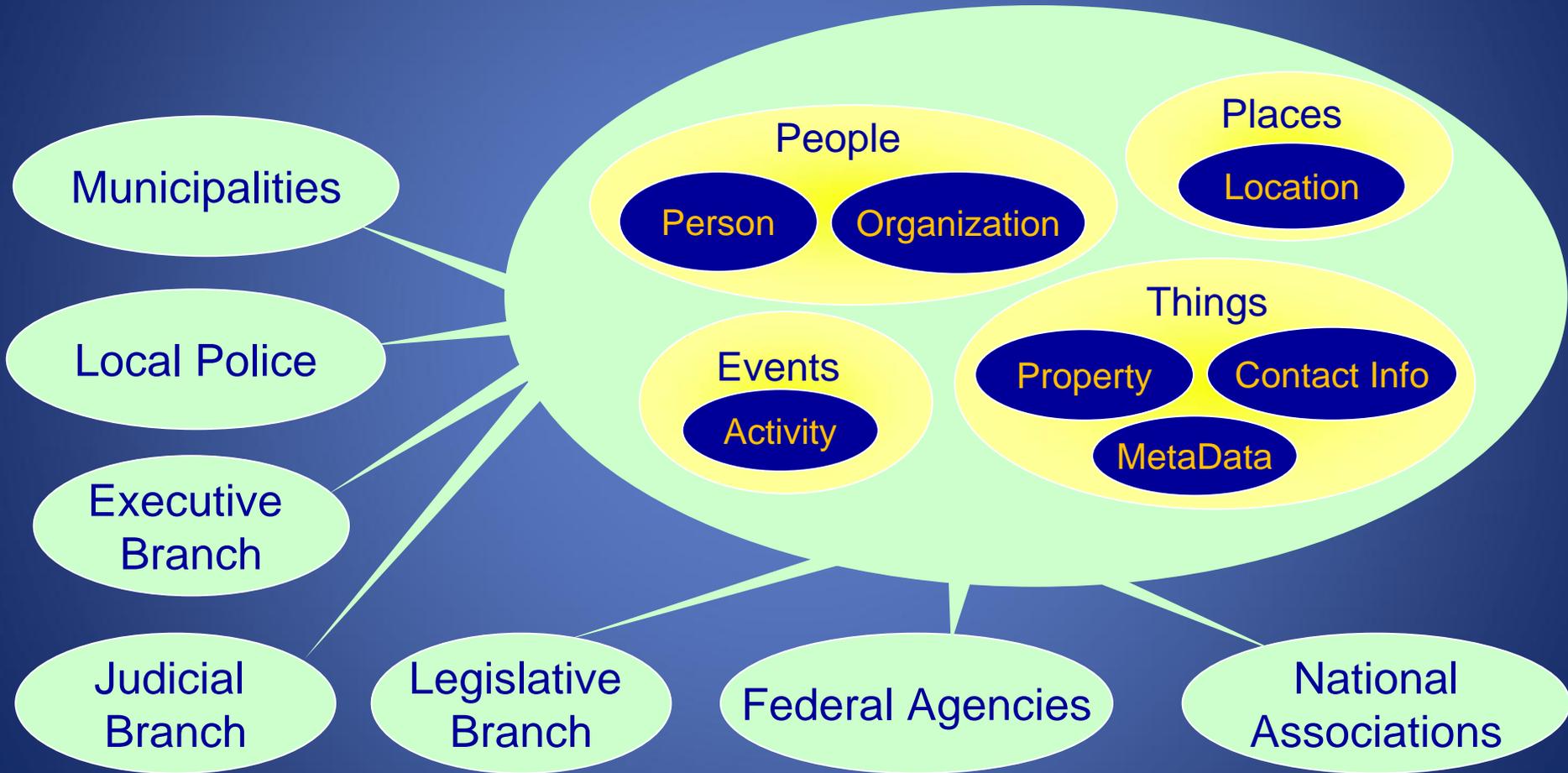


National Information Exchange Model



Criminal Justice Information Sharing Governing Board

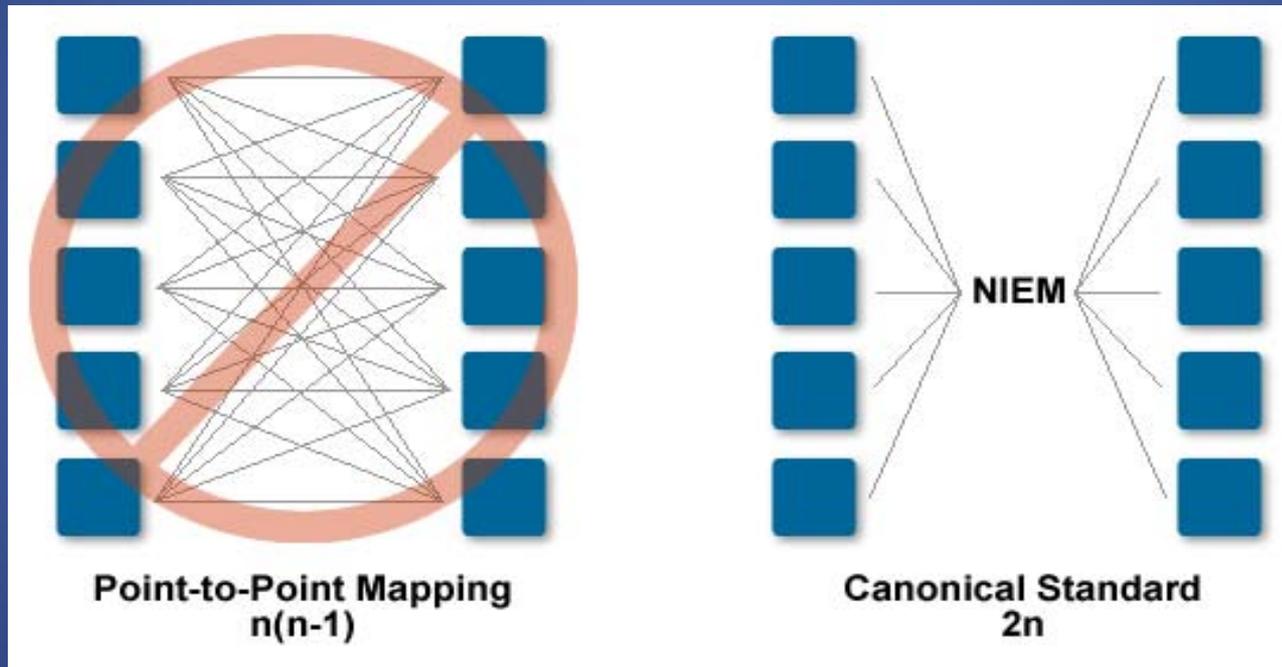
NIEM at 50,000 Feet Information





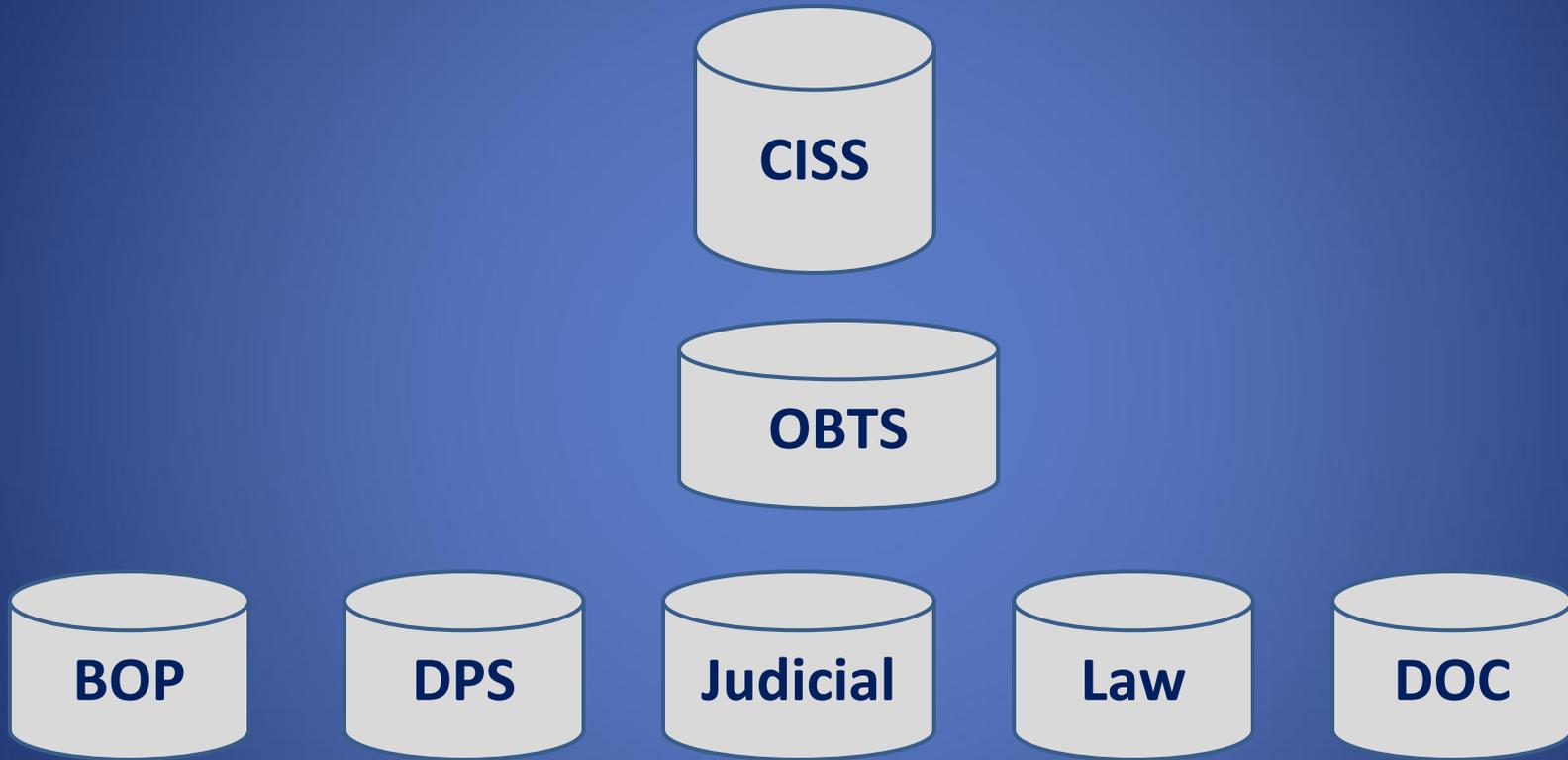
National Information Exchange Model

Information Sharing Effectiveness



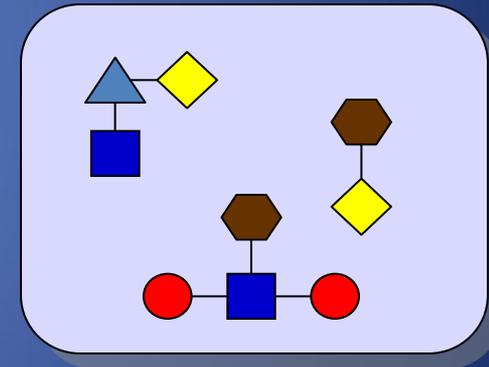
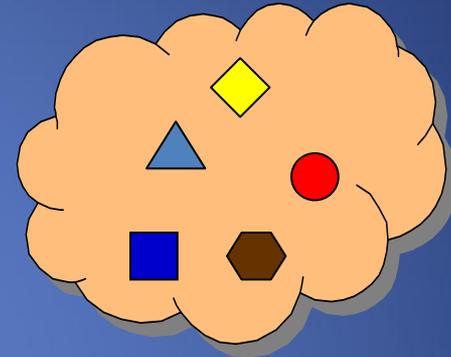


The Information Sharing Challenge for the CJIS Community



NIEM Is the Foundation

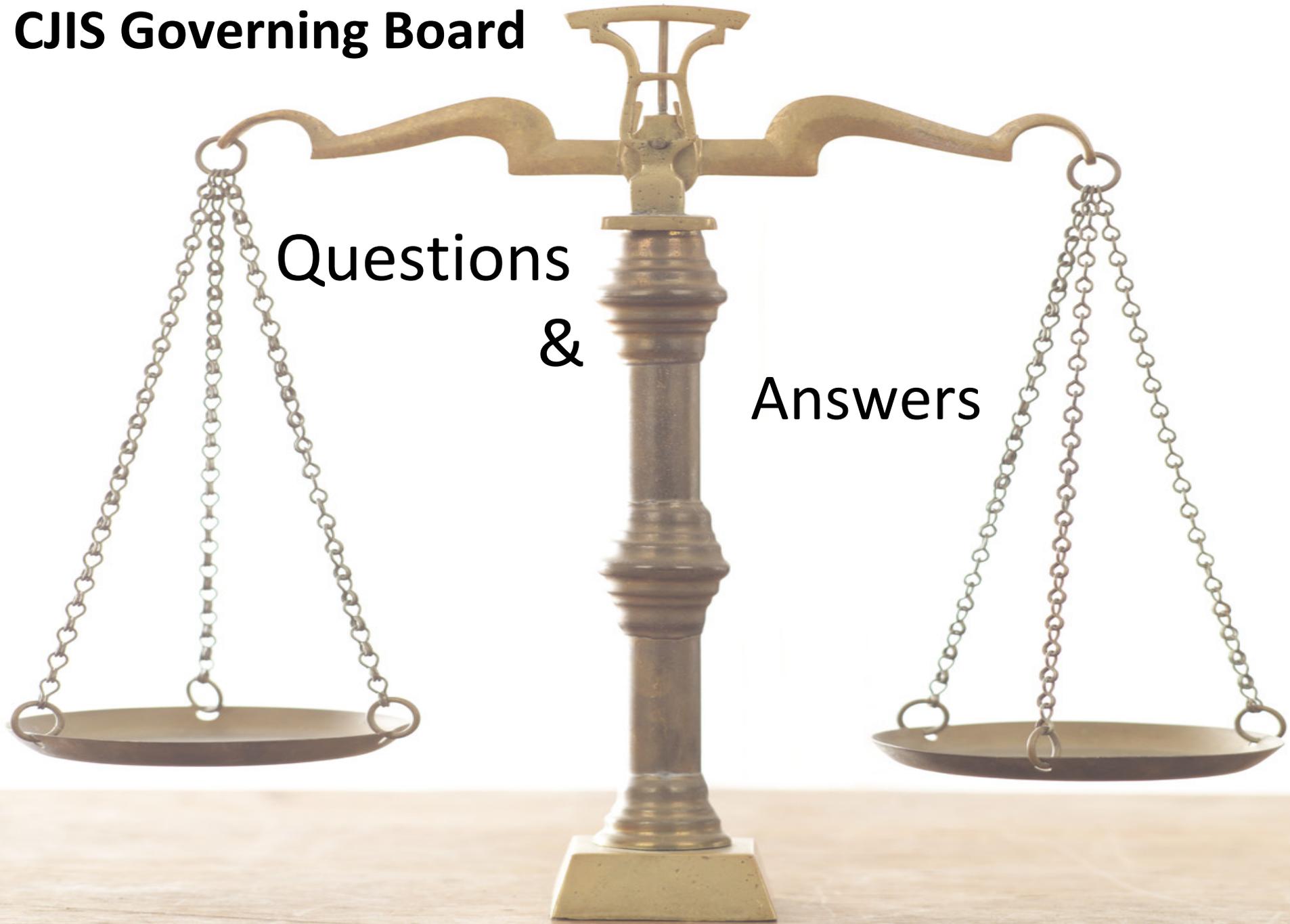
- A **program** to support government-wide standards
- A **data model** for information exchange
 - Building blocks for creating IEPDs (schemas)
 - Consistent definitions for data elements
 - Consistent formats for data elements
- A **library** of “reference” IEPDs
 - Reusable / Leverageable
 - “Standard, by choice”
- **Tools and Training** for practitioners
- Governance to **coordinate** the diverse needs of the community



Value: Interoperability and cost savings through consistency and reuse



CJIS Governing Board



Questions
&

Answers