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#### **National Information Exchange Model**

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## Why NIEM?

Problem	Lack of standards leads to a decreased level of information sharing and increased costs associated with information exchange development.
Solution	The National Information Exchange Model (NIEM)

NIEM is a federal, state, local, tribal and private initiative to increase information sharing between organizations. NIEM includes a data model from which organizations can establish information sharing specifications.

NIEM adoption leads to cost avoidance, enhanced mission capabilities and low total cost of ownership.

#### **The NIEM Formula for SUCCESS**



- Selection based on number of stakeholders and potential for reuse
- Complexity increases with numbers of entities involved
- Benefit increases with numbers of implementations

### What NIEM Is...

# A Standard that facilitates information sharing:

- Across organizational and jurisdictional boundaries
- □ At all levels of government

#### A Structured Approach that provides:

- Development tools
- Processes
- Methodologies

## A Data model that provides:

- Agreed-upon terms, definitions, and formats for various business concepts
- Agreed-upon rules for how those concepts fit together
- Independence from how information is stored in individual agency systems

### What NIEM Is Not...

A database schema

Just a data dictionary

A programming language

#### Standardizing Data Moving Across Systems



**NIEM intentionally does not address** standardizing data inside legacy systems. NIEM serves as a translation layer (providing a common understanding) between and across disparate systems.

### **The NIEM Framework**

**NIEM connects** communities of people who share a common need to exchange information in order to advance their missions, and provides a foundation for seamless information exchange between federal, state, local, and tribal agencies. Much more than a data model, NIEM offers an active user community as well as a technical and support framework.



#### **NIEM Domains**



#### **Key International NIEM Progress**

Japan moves to create its own version of NIEM.

North America Day—U.S, Canada, Mexico agree to exchange information on stolen vehicles, pandemic expansion

Eurojust uses NIEM for creating a sharable criminal warrant in Europe

Canada uses NIEM for visa processing

# The world needs a standard for sharing information across national boundaries

#### NIEM is a possible starting point

