

SEARCH



ANSI/NIST Fingerprint Standard Update Workshop

Gaithersburg, Maryland
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IEPD Goals and Objectives



Define IEPDs (Information Exchange Package Documentation) to support interoperability among justice systems



Expand and refine GJXDM/DD through experienced feedback; resolve vague definitions



Constrain/restrict down to key choices to support interoperability



IEPD Goals and Objectives

Justice exchange data does not belong to only one domain

- Example: Protection Order is not just a court document
- LEA is an exchange partner
- FBI is an exchange partner

Most important: a group of representative exchange partners working through the business and technical requirements of the exchange



IEPD Process

- JIEM
- Domain Modeling
- GJXDM Mapping
- Subset Schema (SSGT)
- Extension, Document, Constraint
- Sample XML Instance
- Packaging
- Horizontal Analysis/Reuse
- Education and Outreach





Process to Build IEPD

Assemble a team of domain + GJXDM model/schema structure expert (s)





GJXDM Mapping Spreadsheet



Data Elements (Requirements)		Notes	GJXDM Mapping
Agency	Agency		Citation/CitationAgency/OrganizationName
	County Code	3	**Local code set
	Agency Code		Citation/CitationAgency/OrganizationLocalID/ID
Subject	Name (Last)		Citation/CitationSubject/PersonName/PersonSurName
	Name (First)		Citation/CitationSubject/PersonName/PersonGivenName
	Eye Color		Citation/CitationSubject/PersonPhysicalDetails/PersonEyeColorCode
Vehicle	Vehicle License Plate Number	1	Citation/CitationSubject/Vehicle/VehicleLicensePlateID/ID
	Vehicle License State	1	Citation/CitationSubject/Vehicle/VehicleLicensePlateID/IDIssuingAuthorityText
	License Type	4	**Local code set
Citation Info	Citation Number		Citation/ActivityID
	DOT Number	2	**Local field
	Citation Time		Citation/ActivityTime
	Identification		Citation/CitationIssuingOfficial/EnforcementOfficialBadgeID/ID
	District		Citation/CitationLocation/LocationLocale/LocaleDistrictName
			Mapping Notes
			1 Add Vehicle to an extension of SubjectType and substitute it into Citation/CitationSu
			2 Add local components to an extension of CitationType and substitute it into Citation.
			3 Add local code to an extension of JurisdictionType and substitute it into Citation/CitationAgency/OrganizationJurisdiction
			4 Add local code to an extension of IDType and substitute it into Citation/CitationSubject/Vehicle/VehicleLicensePlateID.
			5 Substitute DrivingIncidentType into Citation/Citation/Violation.
			6 Add local codes to an extension of DrivingIncidentType and substitute it into Citation/Citation/Violation



Global JXDM Schema Subset Generation Tool



[Model Viewer](#) [Advanced Search](#) [Options](#) [Generate](#) [Help](#) JXDM Release: 3.0.2 SSGT-build-id: 15

Please ensure that you read the [information page](#) before using this tool.

Delete

Clear Subset

Types

- [j:ActivityType](#)
- [j:CitationType](#)
- [j:EnforcementOfficialType](#)
- [j:PersonType](#)
- [j:SuperType](#)

Attributes

Elements

- [j:Citation](#)
- [j:CitationIssuingOfficial](#)

Search for:

Add as element

Add as a reference

placement: in Type or as independent component

Add selected to schema

Clear Search Results

Property

Type

Namespace

Facet

Search

Names

Definitions

[j:Citation](#)

type: ([j:CitationType](#))

Check/Uncheck All

[j:CitationAgency](#) ([j:OrganizationType](#))

[j:CitationDismissalConditionIndicator](#) ([j-xsd:boolean](#))

[j:CitationDismissalConditionText](#) ([j:TextType](#))

[j:CitationFineAmount](#) ([j:AmountType](#))

[j:CitationIssuedLocation](#) ([j:LocationType](#))

[j:CitationIssuingOfficial](#) ([j:EnforcementOfficialType](#))



Packaging

- Subset Schema
- Constraint Schema
- Extension Schema
- Document Schema
- Sample XML Instance
- IEPD





Law Enforcement Reference IEPDs

SEARCH is leading this effort, with support from the Community Oriented Policing Services (COPS) office of the Department of Justice

- Incident Reporting/Incident Data/NDEx
- Field Investigation Report
- Arrest/Booking Information
- LEA Referral/Prosecution Charging

Horizontal Analysis conducted following the completion of these four documents

Artifacts posted on SEARCH website with link to OJP Clearinghouse



IEPD Goals and Objectives

Remember: the goal is to exchange messages,
not to build databases

The more we standardize the container and the
payload of components, the more it supports
our goals

Standard, non-proprietary, consistently
structured artifacts helps all of us to leverage
IEPDs as models for information sharing

Thank you!

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