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## **1. Purpose and Scope**

### **1.1. Scope**

National

### **1.2. Purpose:**

The purpose is to create sentencing reference documents using the new Global Justice XML Data Model (GJXDM). By trying to apply the GJXDM this aim is to be able to provide valuable guidance for courts in the USA in the data model and the application of the standard.

The definition of this document has been limited to identifying those elements that are currently in use and in which a use case can be cited.

## **2. List of Artifacts**

1. GJXDM Subschema
2. Extension Schema
3. Document Schema
4. Data Model Diagram
5. XMI Export
6. XML Mappings
7. GIEP Description

## **3. Additional IEP Provisions**

### **3.1. Additional Property Definitions**

#### **Document**

<b>Name</b>	<b>Description</b>
Arrest Warrant	This GJXDM draft document is to provide a reference for the requesting agency to the court for an arrest warrant and issuance from the court of an arrest/bench warrant.

#### **Document Sections**

<b>Name</b>	<b>Description</b>
Affiant	The name of the person who swears to an affidavit. This may include a law enforcement officer, a grand jury, etc.
Affiant Agency	Agency that originates the request for a warrant.
Case	A court case.
Court	Court Description
Judicial Officer	A judge or other judicial official that issued a court order.
Offense	Describes an alleged act which may constitute a violation of a criminal statute, ordinance, court order or rule.
Requesting Agency	Agency that requests that the court issue a document or initiate an action.
Requesting Person	The person requesting a document or action.
Subject	The person or organization of interest.
Vehicle	A motor vehicle.
Warrant Order	An authorization for an enforcement official to perform a specified action such as arresting a person or searching a residence.
Warrant Validation Agency	Agency that holds the physical warrant and confirms the current status of a warrant. This is common in automated warrant systems to enable an automatic locate of a warrant.

#### **Components**

<b>Name</b>	<b>Description</b>
Address	Text description of the location of a person or organization
Agency Case Identifier	
Agency Identifiers	An administrative division of a government.
Alias	An assumed name (referred to in law enforcement as an "Also Known As" or AKA
Authorization	
Bail	Security, usually a sum of money, exchanged

Name	Description
	for the release of an arrested person as a guarantee of that person's appearance for trial.
Body	Body text in a document.
Business Address	A location of an organization.
Charge Modifier	Statute that qualifies the charge (e.g. conspiracy, attempted, solicitation, party to crime)
Contact	Text and numeric information about the person who is the contact person for the data being submitted.
Contact Phone	Name of a person to communicate with.
Court Case Identifiers	Reference numbers or other identifying information regarding a court case.
Court Identifiers	Reference numbers or other identifying information regarding a court.
Custody Location	
Drivers License	Official motor vehicle operators license issued by a state or legislatively authorized government organization.
Effective Dates	The effective dates for a court order, warrant, or sentence.
Enhancer	Anything that enhances the penalty of the underlying crime. Examples include crime committed within 1000 feet of a school, committed with a gun, gang violence.
Extradition	Legal surrender of a fugitive to the jurisdiction of another state, country, or government for trial.
Fine	A forfeiture or penalty to be paid to the court or an offended party in a civil action.
Grand Jury Identifier	
Jurisdiction	The legal authority of a court.
Justice Person Identifiers	
Last Known Location	Describes the last known location of a subject.
Legal Authority for Offense	The underlying substantive offense
Name	The name of the person.
Person Identifiers	Identifying numbers such as social security number, law enforcement officer badge number, or FBI or state criminal ID number.
Physical Characteristics	Identify scars, marks, tatoos and other distinguishing physical characteristics. This can include missing limbs, large ears, etc.
Physical Descriptors	The physical description of a person.
Residential Address	Details about an address for a place where a person lives.
Service Cautions	A caution, warning, or risk advisement given as an alert to an official servicing a court order.
Service Limitation	Geographical and other limitations placed on service and transportation
Social Details	Information regarding a persons citizenship and military service status.
Vehicle Identification	Details regarding a motor vehicle.
Vehicle Registration	When the vehicle plate is issued, the vehicle is

Name	Description
	registered.
Warrant Detail	Details regarding a judicial writ authorizing an officer to make a search, seizure, or arrest or to execute a judgment.
Work Address	Address of an employer

## Elements

Name	Description
Age At Incident Description	Also allows for an approximate age if specific date of birth is not known.
Agency Case Identifier	A unique identifier assigned by an agency (e.g. law enforcement, probation, parole, prosecution) to track a case.
Agency Code Identifier	An alphanumeric code used and assigned locally to agencies to uniquely identify them within that jurisdiction.
Agency Name	Name of a justice agency, e.g. police department, law firm, court.
Agency ORI	A unique identifier assigned to a justice-related organization by the federal government. Sometimes referred to as ORI, ORI code, Originating Agency Code.
Agency Reporting District	Name of a work group or area in a local office
Alternative Charge Indicator	If this is a charge that offers an alternative to the primary charge, set to True. It is a second charge on the same count.
Area Code	A dialing code for a state or province for phone numbers in the USA, Canada, Mexico, and the Caribbean.
Badge Number	Identifier that is either assigned by a law enforcement agency or other entity to each officer. This may be an employee number or a court assigned PIN.
Bail Amount	Monetary amount set for the defendant's bail.
Bail Condition	Conditions that must be met to be released on bail.
Bar Number	The defense attorney's unique identifier. assigned by a state or bar association to an attorney authorized to practice law.
Branch	Name of the branch of a court with facilities in multiple locations.
Building Designation	A number or letters assigned to identify a building in an address.
CMV Weight	Weight of a Commercial Motor Vehicle. This influences fines and other sanctions.
Case Caption	Official case title for court record.
Caution Code	NCIC: A 2-digit CMC (caution & medical conditions) message field code to, for example, specify weapon involved ("Armed and

Name	Description
	Dangerous").
Caution Description	A description message field used to specify medical and weapon involved ("Armed and Dangerous").
Charge Attribute	Additional information that notifies the court of special conditions (e.g. domestic violence, white collar crime, or court reporting requirements)
Charge Description	Statutory text describing the offense committed by the defendant and how it applies to the cited statute.
Charge Modifier Description	Phrase or word that qualifies the charge (e.g. conspiracy, attempted, solicitation, party to crime)
Charge Text	A narrative description of the facts and circumstances for which a statute is charged. In the event of a correctable offense, this may include text that describes the equipment (tail light, headlight, etc.) that requires fixing; if fixed, citation is dismissed
Charge Title	A summary heading of a crime or offense.
Charge Type	Severity of the charge (e.g., infraction, misdemeanor, felony).
Citizenship	Code or text indicating a country of citizenship.
Count Number	A unique identifying number assigned to a particular charge by an arresting agency, prosecuting attorney, or a court for case management purposes.
Country Code	An international dialing code for a country.
Country Name	Name of the country
County Name	The name of the County governmental unit.
Court Case Number	A unique identifier assigned to a court case.
Court ID	An identifier of an organization based on the type of organization it is, e.g., for a court, this would be a court identifier.
Court Name	Official name of the court.
Court ORI	A unique identifier assigned by the federal government to a court as a participating criminal justice agency.
Court Type	Type or level of court that has jurisdiction, e.g., county court, municipal court, superior court
Date of Birth	A person's date of birth.
Digital Image	A photograph rendered into digital format
Digital Signature Certificate	Digital signature (or public key digital signature) is a type of method for authenticating digital information analogous to ordinary physical signatures on paper, but implemented using techniques from the field of public key

Name	Description
	cryptography.
Digitized Signature Image	Image of a persons signature
District	Name or identifier of a judicial district within a court system.
Division	A sub-unit of a court responsible for a particular area of law or legal matters (e.g., criminal, juvenile, civil, traffic).
Email Address	An email address of a person or organization.
Employment Position Name	A title related to a person's profession (e.g. District Attorney, Sheriff, Judge ).
Ethnicity	A person's ethnicity.
Expiration Date	Date a document or order expires unless further action occurs.
Extension	Additional numbers to be entered to direct a call to the appropriate place.
Eye Color Code	A code representing person's eye color.
FBI Number	A unique number assigned to a defendant by the FBI based on submitted fingerprints.
Fax Number	A facsimile number of a person or organization. Sometimes referred to as a FAX or fax number.
Fine Amount Due	The amount due to a court for an offense.
Fine Amount Due Date	The date payment for a fine is due.
Fine Type	The purpose for this fine (e.g. court costs, surcharge, scheduled amount)
First Name	First name of a person.
Floor	The floor number of a particular building
Grand Jury Type	Examples include a State wide grand jury, county grand jury or special grand jury.
Hair Color Code	A code representing person's hair color.
Height Measure	A person's height.
Incident Identifier	Ties a subject through biometric based identifiers to a particular incident. Also known as a OBTS (Offender Based Tracking System) or an OCN (Offense Cycle Number).
Inmate Identifier	A person-based number assigned by Department of Corrections. This may include an inmate locator identifier.
Interpreter Required Indicator	Set to yes if a person needs an interpreter.
Issue Date	Date an order was issued.
Issue Time	Time of day an order was issued.
Judicial Officer Identifier	A number that is assigned to judicial personnel.
Last Name	Last name of a person.
License Issuing Jurisdiction	The state or other authorization (e.g. DOD) from which a driver's license was issued.
License Number	Unique identifier assigned by the state to a driver's license.
Limitation Code	Limitations place on the extradition of a subject from an area outside the immediate jurisdiction of the issuing court.
Limitation Text	Text that may constrain how far a law

Name	Description
	enforcement officer may transport a defendant from an area outside the jurisdiction of the issuing court.
Local Person Identifier	A unique number assigned to a defendant by a local law enforcement agency based on submitted fingerprints or other less precise methods.
Location Description	Captures all information to identify a location. May represent street address and city, direction of travel, mile markers, cross roads, location on body, etc.
Mark Type	The type of physical feature (e.g. tattoo, scar, mole)
Middle Name	Middle name of a person.
Military Indicator	Indicates if a person is currently on active duty in the military
Military Status	The military status of a person (active, AWOL, discharged).
Moniker	Nickname or alternative justice identifier.
Municipality Name	Name of a city, township, etc.
NCIC Charge Code	The NCIC code assigned to the criminal case charge.
Name Prefix	A title or honorific used by a person, e.g., Dr., Judge, General, Ms.
Name Suffix	A component that is appended after the family name that distinguishes members of a family with the same given, middle, and last name, (e.g., Jr, Sr, III), or otherwise qualifies the name (e.g., MD, LLD, PhD).
Narrative	Text describing details of an order or incident.
Offense Date	Date an offense occurred or began (if offense took place over a period of time). aka incident date or violation date.
Offense Description	A description of the statute violated.
Offense End Date	Date ending the period of time during which an offense occurred.
Offense End Time	Time that an offence ended
Offense Time	Violation Time
Offense Type Code	Category of offense type, e.g. check box indicating type of citation, i.e., speeding, operating under the influence, driver license violation, safety belt infraction.
Panel Number	Specifies a particular grand jury panel.
Penalty Enhancer Description	Anything that enhances the penalty of the underlying crime.
Penalty Enhancer Title	Circumstances that effect the penalty
Person Full Name	Full name of a person. This is to accomodate situations where a person may have more than three names.
Plate Jurisdiction	State that issued the license plate



Name	Description
Plate Number	A alphanumeric identifier assigned to a vehicle license plate.
Plate Type	Type of license plate displayed on vehicle (e.g. commercial)
Postal Code	Postal zip code in an address
Postbox Number	PO Box Number
Primary Language	The principal language spoken by the person
Race Code	A code identifying a person's race.
Service Restriction	Restrictions on how a court order may be serviced.
Sex Code	A code indicating a person's sex.
Signature Block	An electronic signature imputed to a text via one or more of several means (e.g. //John Doe/Magistrate)
Skin Tone Code	A code identifying the color of a persons skin.
Social Security Number	A unique identifier assigned to a defendant by the Social Security Administration.
State	Name or abbreviation of the state in an address.
State ID Number	A number assigned to a defendant by a state based on submitted fingerprints.
Statute Code	Alpha reference to a section or category within a charge code book. (e.g. in VC123.23(a), the VC portion is the statute code)
Statute Enactment Date	Date a particular statute became law.
Statute Number	Alphanumerical reference indicating the statute violated within a charge code book (e.g. in VC123.23(a), the 123.23(a) portion is the statute number)
Street Name	A name of a street.
Street Number	A number that identifies a particular unit or location within a street.
Street Post Directional	A direction that appears after a street name.
Street Pre Directional	A direction that appears before a street name.
Telephone Number	A full length telephone identifier.
Transportation Description	e.g. 100 miles outside of El Paso County
Transportation Distance	Description of transportation limits such as national, state, local
Vehicle Classification	Authorized vehicle usage (e.g. A, B, C).
Vehicle Identification Number	A unique combination of alphanumeric characters that identifies a specific vehicle-- often called VIN.
Vehicle Make Code	A code identifying the manufacturer of a vehicle.
Vehicle Model Code	A code identifying the specific design or type of vehicle made by a manufacturer. Sometimes referred to as the series model.
Vehicle Model Year	A year which is assigned to a vehicle by the manufacturer.

Name	Description
Vehicle Ownership Type	Text describing the type of owner of the vehicle (personal, company, organization, government)
Vehicle Primary Color Code	A code identifying a single, upper-most, front-most, or majority color of a vehicle.
Vehicle Relationship Description	Describes the relationship between the subject and the vehicle (e.g. owned, stolen, rented).
Vehicle Secondary Color Code	A code identifying the lower-most or rear-most color of a two-tone vehicle or the lesser color of a multi-colored vehicle.
Vehicle Style Code	A code identifying the style or body type of a vehicle (e.g. van, pickup, 2 door, motorcycle etc.)
Victim Rights Offense Indicator	The statutory requirements for victim notification.
Violation Zone Type	The type of the special incident zone if the incident occurs within a violation zone (e.g. construction, railroad, school, utility). Multiple zones may be selected.
Warrant Action	Recall, add, or other activity.
Warrant Number	An identifying number or alphanumeric combination assigned to track a warrant.
Warrant Probable Cause	Text describing justification for securing a warrant.
Warrant Type	A text or code indicating the type of warrant (e.g., Arrest, search, bench).
Weight Measure	A person's weight.

## Document Local XML Types

Name	Description
ActivityType (SuperType)	A structure that describes details about an activity or process that occurs.
AddressType (SuperType)	A structure that describes a postal location to which paper mail can be directed.
AgeMeasureType (MeasureType)	A structure that describes an age.
AgeUnitCodeType	
AuthorizationBinaryType (BinaryType)	
BinaryType (SuperType)	A structure that describes a digital representation of an object encoded in a binary format.
BuildingType (SuperType)	A structure that describes details about a building.
ChargeApplicabilityStatuteType (StatuteType)	
ChargeClassificationType (SuperType)	A structure that describes details that further describe and classify a charge.
ChargeEnhancingFactorType (ChargeEnhancingFactorType)	

Name	Description
ChargeEnhancingFactorType (SuperType)	A structure that describes details about a factor or reason that makes a charge more serious.
ChargeReportingType (SuperType)	A structure that describes details about information that is sent to local, state, or federal repositories describing the nature of a charge in terms of official codes, terms, and fields.
ChargeType (ChargeType)	
ChargeType (SuperType)	A structure that describes details about a formal allegation that a specific person has committed a specific offense.
ContactInformationType (SuperType)	A structure that describes details about how to contact a person or an organization.
DocumentType (SuperType)	A structure that describes inherent and frequently used characteristics of a document.
DriverAuthorizationType (SuperType)	A structure that describes details about an authorization issued to a driver granting driving privileges.
DriverLicenseType (DriverAuthorizationType)	A structure that describes details about a license issued to a person granting driving privileges.
ElevationUnitCodeType	
EmploymentType (SuperType)	A structure that describes details about an employment of a person.
GrandJuryIndictmentType (ActivityType)	
IDType (SuperType)	A structure that describes an identifier of an entity.
ImageType (BinaryType)	A structure that describes a representation of an image.
IncidentType (ActivityType)	A structure that describes a criminal or non-criminal activity that occurred.
JudicialOfficialBarMembershipType (SuperType)	A structure that describes a legal capacity in which a judicial official is able to practice law.
JudicialOfficialType (JudicialOfficialType)	
JudicialOfficialType (PersonType)	A structure that describes a person involved in a judicial area of government.
LocationType (SuperType)	A structure that describes a physical location.
LocationType (LocationType)	
MeasureType	A structure that describes a representation of a measurement.
MilitarySummaryType (SuperType)	A structure that describes a summary about the service of a person in the military.
ObligationType (SuperType)	A structure that describes an obligation or requirement.
PersonAssignedIDDDetailsType (SuperType)	A structure that describes a set of identifications issued to a person.
PersonBiometricDetailsType (SuperType)	A structure that describes a set of measurable biological or behavioral characteristics of a person.
PersonHeightMeasureType (MeasureType)	A structure that describes a measurement of the height of a person.
PersonHeightUnitCodeType	
PersonNameTextType (TextType)	A structure that describes a name of a person.
PersonNameType (SuperType)	A structure that describes a name of a person.

Name	Description
PersonOtherIDType (IDType)	A structure that describes an identifier issued to a person.
PersonPhysicalDetailsType (SuperType)	A structure that describes the physical appearance of a person.
PersonSocialDetailsType (PersonSocialDetailsType)	
PersonSocialDetailsType (SuperType)	A structure that describes the social characteristics of a person.
PersonType (SuperType)	A structure that describes the inherent and frequently associated characteristics of a person.
PersonType (PersonType)	
PersonWeightMeasureType (MeasureType)	A structure that describes the measurement of the weight of a person.
PersonWeightUnitCodeType	
PhysicalFeatureType (SuperType)	A structure that describes a physical feature of a person.
ResidenceType (LocationType)	A structure that describes a place in which a person lives.
SanctionType (ActivityType)	A structure that describes a sanction or penalty ordered for a subject as a result of a disposition of a charge.
StatusType (SuperType)	A structure that describes the conditions or status of a person, activity, or object.
StatuteType (SuperType)	A structure that describes a law, rule, or ordinance within a jurisdiction.
StreetType (SuperType)	A structure that describes a street.
SubjectType (SubjectType)	
SubjectType (PersonType)	A structure that describes a person who is involved or suspected of being involved in an incident or criminal activity.
SuperType	A structure that describes metadata common to most other structures.
SuperTypeMetadata	
TelephoneNumberType (SuperType)	A structure that describes a telephone number that can be dialed to reach a contact.
TextType	A proxy structure that represents a character string, generally in the form of words of a language, and includes language metadata.

## Document Local XML Elements

Name	Description
AlternativeChargeIndicator	
AuthorizationBinary (AuthorizationBinaryType)	
ChargeApplicabilityStatute (ChargeApplicabilityStatuteType)	
ChargeEnhancingFactor (ChargeEnhancingFactorType)	
ChargeFactorText (TextType)	Details about a factor involved that has an effect on a charge. Example: narcotics, computer, radar, domestic violence,

Name	Description
	employment, bias, injury, hazmat, CMV.
CourtCharge (ChargeType)	
CourtOrderIssuingJudicialOfficial (JudicialOfficialType)	
CourtOrderRequestActor.Person (PersonType)	
GrandJuryIndictment (GrandJuryIndictmentType)	
InterpreterRequiredIndicator	Yes/No flag indicating if a person requires an interpreter.
LastKnownLocation (LocationType)	Describes the last known location of a subject.
PersonAuthorizationBlock (TextType)	
PersonIncidentAgeMeasure (AgeMeasureType)	The age of a person at the time of an incident
PersonSocialDetails (PersonSocialDetailsType)	
Subject (SubjectType)	A person who is involved or suspected of being involved in an incident or criminal activity. This person may be the focus of an investigation or legal process, but is not necessarily the sole or primary focus.
VictimRightsOffenseIndicator	Indicates there are statutory requirements for victim notification.
ViolationZoneTypeText (TextType)	Type of special incident zone (e.g. school zone, construction zone)

### **3.2. Minimal Properties Set**

### **3.3. Additional Business Rules**

#### **3.3.1. Description**

- Requesting Agency may be a court the document a bench warrant
- The subject vehicle indicates the vehicle(s) owned or otherwise associated with the subject (e.g. subject stole the vehicle)
- The Judicial Officer may or may not be associated with the court.
- In general, contact information for the requesting agency will be used if a specific requesting person is not available.
- The NCIC Gang Database Identifier is a person based identifier that is used to query the NCIC Gang Database and retrieve gang affiliations. This was added to NCIC in the Summer of 2005.

#### **3.3.2. Data Exchanges**

## **4. Development**

### **4.1. Participants**

Harry Bridger - Vendor (Bull)  
Shara Bunis - Socius/NCSC  
Tom Carlson - NCSC  
Cheryl Cogan - Maryland  
Tom Conti - Maryland  
Dana Corson - Montana  
Mark Crenshaw - South Carolina  
Linda Emeott - Minnesota  
Robin Gibson - Missouri  
Jack Glock - New Jersey  
Jim Harris - Vendor (CSI)  
Matthew Hudnall - Alabama  
Jim McMillan - NCSC  
Nick Melnick - Pennsylvania  
David Mulholland - National Park Service  
Bob Pace - North Carolina  
Catherine Plummer - SEARCH  
Dave Usery - NCSC/Contractor  
Doug Walker - NCSC/Contractor

### **4.2. Process:**

In March, 2004 the COSCA/NACM Joint Technology Committee was asked to choose from a list of common justice communications generated as part of SEARCH Group's JIEM project and rank the most commonly used court forms and communications. The top four selections were citation, protection order, sentence, and warrant documents. These are the most common forms and therefore, the most common communication data exchanges that are made by courts on a daily basis.

The first step in the creation of reference documents was to solicit court forms and electronic data exchanges from State Court IT Directors. In the late May, early June time period an updated listing of State Court IT Directors was completed and e-mail solicitations sent to ask for traffic and misdemeanor citation and domestic violence protection order. The following states sent information for sentencing documents:

- ? California
- ? Minnesota
- ? Nebraska
- ? New Jersey
- ? South Carolina

- ? Texas
- ? Virginia
- ? Utah

Once the forms and other data transmission source documents were collected, both NCSC and contract staff extracted the data elements from the forms and organized them by state and then grouped them by like element. After performing the first analysis, and based on input from the OASIS/LegalXML meeting in Denver it was determined that it would benefit all to create a data relationship model so as to better understand the grouping and thereby subsequently assigning a more accurate GJXDM data element.

A key element of the project was to: Establish a Court Joint Standards Development (JSD) Team to review and refine identified efforts to identify and label the court elements in current, proposed, and developing standards?

A JSD meetings was held for Sentencing in Atlanta, Georgia on November 4, 2004.

During the meetings participants were asked to review the proposed data groupings, the need for the element, the need for additional elements, and finally and most importantly, the GJXDM data element mapping if there was one and if not, to define and associate a new extension element.

Following the JSD meetings URL Integration, a sub-contractor to the NCSC used their excellent data mapping and organization software to develop a draft version of the reference documents for each area.

The draft versions were then placed for open review by the justice community on an Internet computer bulletin board system located at:

<http://boards.ncsc.dni.us:81/~jisgp>

### **4.3. Development Artifacts:**

#### **4.3.1. Data Model Diagram**





#### **4.3.2. Source Documents**

#### **4.3.3. Revision History:**