

PROTECTION ORDER

GJXDM

Information Exchange Package Documentation



Version 0.01

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1. Purpose and Scope

1.1. Scope

National

1.2. Purpose:

The purpose is to create a Project Passport compatible reference document for domestic protection orders using the Global Justice XML Data Model (GJXDM). The IEPD is intended to act as a guide or template for local jurisdictions implementing electronic exchange of information, in this case protection order information. It is expected that jurisdictions that implement the exchange will extend and/or constrain the IEPD to fit their individual needs. Ultimately, as the result of the experience gained through local implementations, the IEPD will be revised with the goal of moving toward a single standardized exchange.

The purpose of developing any IEPD is to achieve the following:

- Facilitate information sharing within the court community and between courts and other justice partners.
- Facilitate the development of consistent and reusable court data components.
- Reduce costs and increase efficiency of information sharing efforts.
- Establish court information sharing policies and procedures.
- Foster collaborative development between the courts and other justice domains.
- Create a common understanding and language between domain experts and technical experts.

2. List of Artifacts

The IEPD, in its entirety, is located at

http://www.ncsconline.org/D_Tech/gjxdm/#ProtectionOrder.

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

3. XML Schemas

All schemas associated with the IEPD are located at http://www.ncsconline.org/D_Tech/gjxdm/#ProtectionOrder.

3.1. GJXDM Subset Schema

The GJXDM Subset Schema is located at http://www.ncsconline.org/D_Tech/gjxdm/iepd/ProtectionOrder/Protection%20Order%20Schema%20Package/jxdm/3.0.2/jxdm.xsd.

3.2. Constraint Schema

Because this is a national model, there is no constraint schema defined.

3.3. Extension XML Schema

The Extension Schema is located at http://www.ncsconline.org/D_Tech/gjxdm/iepd/ProtectionOrder/Protection%20Order%20Schema%20Package/nc.xsd.

3.4. Document XML Schemas

The Document Schema is located at http://www.ncsconline.org/D_Tech/gjxdm/iepd/ProtectionOrder/Protection%20Order%20Schema%20Package/Protection%20Order.xsd.

4. Additional IEP Provisions

None

4.1. Additional Property Definitions

4.1.1 Document

Name	Description
Protection Order	The goal of this message is to apply the data fields created by Project Passport to improve recognition and enforcement of orders of protection within and between states and tribes by encouraging states to adopt a recognizable first page for orders of protection (i.e., by including common elements and format). This protection order schema is for both amended, temporary and permanent orders.

4.1.2 Document Sections

Name	Description
Authorizing Person	A government official employed by a court, prosecutor, public defender, probation or other

Name	Description
	criminal justice agency.
Case	A court case.
Court	Court Description
NCIC Entry	National Crime Information Center data.
Order	An order issued by a court requiring a person to do or not to do something.
Petitioner	Person who has filed a petition in the court for action. The petitioner may be a citizen interacting directly with the court or a person acting as an agent for the requesting agency.
Protected Person	Protected Person
Requesting Agency	Agency that requests that the court issue a document or initiate an action.
Respondent	Person or organization who is the answering party in a civil case.
Vehicle	A motor vehicle.

4.1.3 Components

Name	Description
Address	Text description of the location of a person or organization
Agency Identifiers	An administrative division of a government.
Alerts	A signal that warns of danger or to use caution.
Authorization	The digital signature, signature image, and signature block for the judicial officer authorized to authorize or deny the arrest warrant.
Body	Body text in a document.
Business Address	A location of an organization.
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.
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.
Jurisdiction	The legal authority of a court.
Justice Person Identifiers	Badge number, bar number and employment name for Affiant for the Arrest Warrant.
Last Known Location	Describes the last known location of a subject.
NCIC Record	National Crime Information Center record.
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.

Name	Description
Petitioner Relationship	Describes the biological or social relationship between the petitioner and the protected person.
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.
Protected Person Image	Provides indexing information for an image.
Protection Order Details	Details regarding a protection order issued by a court.
Record Status	The status of a criminal history record.
Residential Address	Details about an address for a place where a person lives.
Respondent Image	Provides indexing information for an image of a respondent.
Respondent Relationship	Describes the relationship between the respondent and the protected person. If there are more than one protected persons, this relationship may reflect only the first protected person.
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 registered.
Work Address	Address of an employer

4.1.4 Elements

Name	Description
Age At Incident Description	Age of the alleged person at time of the incident. This element should also allow for an approximate age if specific date of birth is not known.
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
Alert Description	A text field that provides law enforcement with information regarding cautionary particulars of interacting with person. Examples include historical behavior information, do not approach from left side, etc.
Amended Indicator	A data indicator that denotes the an order or charge has been amended or changed. A

Name	Description
	charge that is modified by this indicator may or may not therefore be active.
Area Code	A dialing code for a state or province for phone numbers in the USA, Canada, Mexico, and the Caribbean.
Bar Number	The defense attorney's unique identifier. assigned by a state or bar association to an attorney authorized to practice law.
Brady Indicator	NCIC: If the protection order meets certain conditions, subject is automatically disqualified from purchasing a firearm.
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.
CDL Status Code	Indicates the current status of a Commercial Drivers License (e.g. suspended, expired)
Case Caption	Official case title for court record.
Case Category	For trial courts, there are five case categories, representing the highest level of classification: <ul style="list-style-type: none"> · Civil · Domestic Relations · Criminal · Juvenile · Traffic, Parking, & Local Ordinance Violations
Caution Code	NCIC: A 2-digit CMC (caution & medical conditions) message field code to, for example, specify weapon involved ("Armed and Dangerous").
Caution Description	A description message field used to specify medical and weapon involved ("Armed and Dangerous").
Citizenship	Code or text indicating a country of citizenship.
Condition Description	The description of a condition imposed on a defendant through court order.
Condition Type	A code representing a condition imposed on a defendant through court order.
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

Name	Description
Date of Birth	A person's date of birth.
Date of Cancellation	NCIC: A cancellation is used when the entering agency determines that the entry is invalid or was entered in error.
Date of Clear	NCIC: Clearing of a record is restricted to the agency that entered the record. A clear transaction is not use to remove supplemental or fraudulent data.
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 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).
Endorsement Code	Indicates the driver's authority to drive specific vehicle types (e.g. hazardous materials, tanker, school bus). Subject either have multiple endorsements or comprehensive codes that cover multiple endorsements.
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.
First Name	First name of a person.
Floor	The floor number of a particular building
Hair Color Code	A code representing person's hair color.
Height Measure	A person's height.
Image NCIC Number	An image record identifier consisting of an "I" followed by 9 digits. (Not used by the courts).
Image Type	A 1-character code indicating mugshot, fingerprint, signature, etc. Direct like with NCIC PO file.
Inmate Identifier	A person-based number assigned by Department of Corrections. This may include an inmate locator identifier.

Name	Description
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.
Issuing Country	If an International Drivers License, indicates the country that a person has a valid drivers' license in.
Judicial Officer Identifier	A number that is assigned to judicial personnel.
Last Name	Last name of a person.
License Class Code	A code indicating the types of vehicles a person is licensed to operate (e.g. commercial, private)
License Commercial Class Code	A code identifying the size of commercial vehicle (e.g. A, B, C) that a licensed driver has been examined on and approved to operate.
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.
License Restriction Code	A code indicating any constraints or restrictions on a person's authorization to operate a motor vehicle.
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 Record Number	A self-checking number which is automatically assigned by NCIC to each accepted record (used by courts).
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.
Notify Indicator	A code used by NCIC to indicate to an agency receiving a hit on an NCIC inquiry agency must

Name	Description
	notify the originating agency of the hit regardless of whether the location of the person or item is known. (Not used by courts).
Order Date	Date that an order has been signed by an authorizing person
Order Time	Time that an order was issued by an authorized person.
Person Full Name	Full name of a person. This is to accomodate situations where a person may have more than three names.
Person Relationship Description	Describes the relationship between two people. Examples include parent-child, former spouse, self, interested party. The interested party may include social services, etc.
Plate Jurisdiction	State that issued the license plate
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
Protection Order Number	An identifying number or alphanumeric combination assigned to track a protection order. This number is unique within a jurisdiction.
Protection Order State Registry Number	An identifier used by a state to track a protection order in a state-wide registry.
Protection Order Type	A code indicating the type of protection order; emergency, temporary, original, and permanent.
Race Code	A code identifying a person's race.
Restriction End Date	The expiration date for driving restrictions that have been placed on a driver
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.
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.
Validator	A text field used to enter the name of the

Name	Description
	person validating the data on a request sent from an agency to NCIC to modify information about that agency in the NCIC records. (Not used by the Courts).
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.
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.)
Weight Measure	A person's weight.

4.1.5 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.
AlertType (ActivityType)	A structure that describes details about an alert used to notify agencies and public systems of an emergency.
AuthorizationBinaryType (BinaryType)	The binary computer format for the authorization data.
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.
ContactInformationType (SuperType)	A structure that describes details about how to contact a person or an organization.
CourtOrderType (ActivityType)	A structure that describes details about a direction of a judge not including a judgement, which determines some point or directs some

Name	Description
	steps in proceedings.
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.
DrivingRestrictionType (SuperType)	A structure that describes details about a restriction applicable to a driver permit or license.
ElevationUnitCodeType	A code list that enumerates the units of measurement for an elevation.
EmploymentType (SuperType)	A structure that describes details about an employment of a person.
IDType (SuperType)	A structure that describes an identifier of an entity.
ImageType (BinaryType)	A structure that describes a representation of an image.
JudicialOfficialBarMembershipType (SuperType)	A structure that describes a legal capacity in which a judicial official is able to practice law.
JudicialOfficialType (JudicialOfficialType)	A structure that contains information regarding the judge's or hearing officer's digital signature.
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)	A structure that describes a physical location.
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.
PersonAssignedIDDetailsType (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.
PersonNameTextType (TextType)	A structure that describes a name of a person.
PersonNameType (SuperType)	A structure that describes a name of a person.
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)	A stucture containing information regarding a person's social information such as the need for an interpreter.
PersonSocialDetailsType (SuperType)	A structure that describes the social characteristics of a person.
PersonType (PersonType)	A structure that describes the inherent and frequently associated characteristics of a person.

Name	Description
PersonType (SuperType)	A structure that describes the inherent and frequently associated characteristics of a person.
PersonWeightMeasureType (MeasureType)	A structure that describes the measurement of the weight of a person.
PhysicalFeatureType (SuperType)	A structure that describes a physical feature of a person.
ProtectionOrderType (ProtectionOrderType)	A structure that describes a civil order protecting one individual from another.
ProtectionOrderType (CourtOrderType)	A structure that describes a civil order protecting one individual from another.
ReferenceType	None
ResidenceType (LocationType)	A structure that describes a place in which a person lives.
StatusType (SuperType)	A structure that describes the conditions or status of a person, activity, or object.
StreetType (SuperType)	A structure that describes a street.
SuperType	A structure that describes metadata common to most other structures.
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.

4.1.6 Document Local XML Elements

Name	Description
AmendedOrderIndicator	The indicator that an order has been amended or changed.
AuthorizationBinary (AuthorizationBinaryType)	This is an indicator that denotes "true" if an authorization is present.
CaseDefendantParty.Person (PersonType)	This is the structure that links the person or party to the case.
CaseRespondentParty.Person (PersonType)	The person, organization, or property in a court case that is required to answer a petition for a court order or write requiring the respondent to take some action, halt an activity, or obey a court's direction. In such matters the moving party (the one filing the petition) is usually called the petitioner. Thus, the respondent is equivalent to a defendant in a lawsuit.
ConditionDescriptionText (TextType)	A description of a condition as part of the sentenced imposed by the court.
CourtOrderIssueTime	The time that a court order was issued.
CourtOrderIssuingJudicialOfficial (JudicialOfficialType)	A judge or other judicial official that issued a court order.
CourtOrderRequestActor.Person (PersonType)	A person or organization which requested a court order.
InterpreterRequiredIndicator	Yes/No flag indicating if a person requires an interpreter.
LastKnownLocation (LocationType)	Describes the last known location of a subject.

Name	Description
PersonAlert (AlertType)	Information regarding the alert status of a person. e.g. Dangerous.
PersonAuthorizationBlock (TextType)	Information regarding person designated to sign the authorization or signature block.
PersonCautionInformationCode	A code identifying cautionary information about a person
PersonCautionInformationText (TextType)	Description of the caution warning related to the person.
PersonSocialDetails (PersonSocialDetailsType)	A person's social details such as whether they require an interpreter.
ProtectionOrder (ProtectionOrderType)	A civil order, issued by a court, protecting one individual from another.
RespondentRelationshipDescription (TextType)	The description of the relationship of the respondent to another party.
Victim.Person (PersonType)	Details about a person, organization, or other entity who suffers injury, loss, or death as the result of an incident. This is the object of a crime or tort.

4.2. Minimal Properties Set

Because this is a national model, there are no minimal property sets defined. However, local jurisdictions will likely want to define information regarding the property cardinality in the XML schemas.

4.3. Additional Business Rules

The definition of this document has been limited to identifying those elements that are currently in use and in which at least one use case could be cited during the development process. While other elements may be used in specific courts or jurisdictions, the intent of the IEPD is to compile the commonly used information to provide a basic structural template for the creation of jurisdictionally based messages.

The following are miscellaneous notes that were developed during the analysis and creation of the exchange document as it pertains to court and jurisdictional business rules and procedures:

- The vehicle included in the Protection Order is specific to a road vehicle. Boats, airplanes and any other associated property should be added through extension.

4.4. Other Information

None

5. Samples

Samples have not been developed for the Protection Order IEPD.

5.1. Sample XML Instances

Samples have not been developed for the Protection Order IEPD.

5.2. Sample XSL Style Sheets

Samples have not been developed for the Protection Order IEPD.

6. Development

6.1. Participants

Jim Bivona	Court - Wyoming
Kenneth Bosier	Court - Iowa
Bob Bray	Court - Georgia
Shara Bunis	NCSC Consultant
Tom Carlson	NCSC
Frank Difulco	Court - Louisiana
Gary Egner	Vendor (Maximus)
Robin Gibson	Court - Missouri
Rich Himes	Vendor (JSI)
Jim McMillan	NCSC
Susan Torrans	Court - Arkansas
Stephanie Trukenbrod	Court - Pennsylvania
Dave Usery	NCSC/Contractor
Doug Walker	NCSC/Contractor

6.2. Process

In March, 2004 the COSCA/NACM Joint Technology Committee was asked to choose from a list of common inter-agency and inter-departmental justice messages and rank the most commonly used court forms and communications. The top four selections were citation, protection order, sentence, and warrant documents. Because these are the most common forms used by courts and therefore, the most common communication data exchanges, these four selections have served as the basis of the initial IEPD work performed by the National Center for State Courts.

A key element of the project was to establish a court Joint Standards Development (JSD) Team to participate in the development of the IEPD. The JSD team included participants from the courts and the justice industry. (See Section 6.1)

The first step in the creation of reference documents is to solicit court forms and electronic data exchanges from State Court IT Directors. In late May and early June, 2004, an updated listing of State Court IT Directors was completed and an e-mail was sent soliciting forms and electronic messages already used by courts for traffic and misdemeanor citation and domestic violence protection orders. The following states sent information for protection order documents:

- Arkansas
- Michigan
- Missouri
- Nebraska
- South Carolina

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 the Protection Order in Atlanta, Georgia on June 17, 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.

Subsequent follow-up work was conducted through WebEx conference calls with the JSD team. This included vetting the resulting domain model, vetting the descriptions and definitions of both GJXDM and extension elements for appropriateness, and reviewing the final IEPD once generated.

Draft versions of the proposed IEPD have been placed for open review by the justice community at:

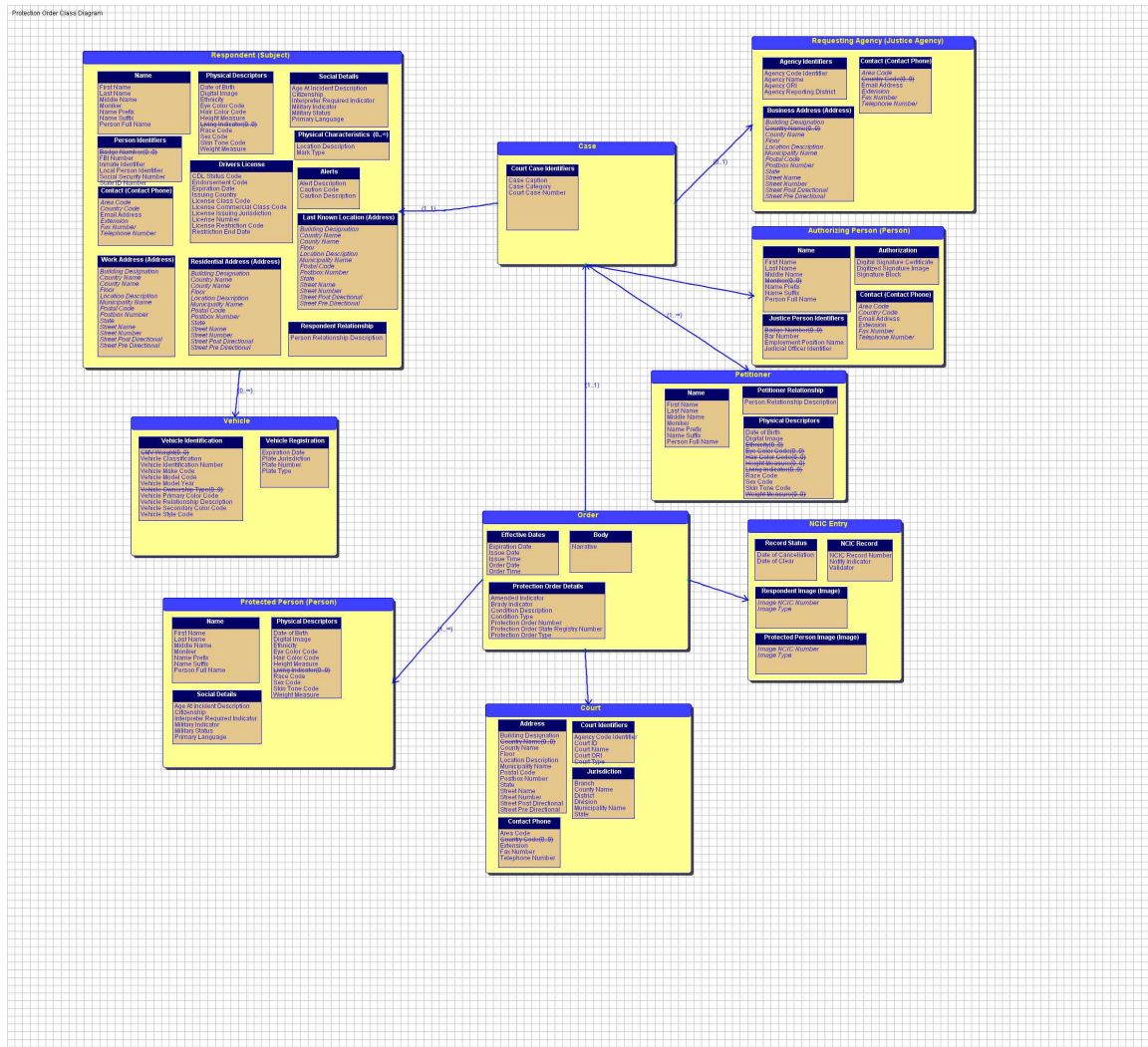
http://www.ncsconline.org/d_tech/gjxdm/#ProtectionOrder.

6.3. Development Artifacts:

6.3.1. Data Model Diagram

The domain model is located at

http://www.ncsonline.org/D_Tech/gjxdm/iepd/ProtectionOrder/GIEP%20Definition%20Documents/DocumentModel.jpg.



6.3.2. Source Documents

Source documents are available at: http://www.ncsconline.org/d_tech/gjxdm/ or by contacting the National Center for State Courts at 757-259-1863.

6.3.3. Revision History

Version 0.01 – November, 2005

7. Testing and Conformance

Testing and conformance activities are expected to be conducted through the upcoming JTC Standards Process.

7.1. Testing

Testing activities are expected to be conducted through the upcoming JTC Standards Process.

7.2. Conformance

Conformance activities are expected to be conducted through the upcoming JTC Standards Process.

8. Feedback

Feedback will be incorporated as it is received. The extension schema will be supplied to the XSTF.