

# **RMS Summary Response**

GJXDM Information Exchange Package  
Documentation  
Generated: July 27, 2006

# **Table of Contents**

<b><u>TABLE OF CONTENTS</u></b> .....	<b>2</b>
<b><u>1. PURPOSE AND SCOPE</u></b> .....	<b>4</b>
1.1. Scope.....	4
1.2. Purpose:.....	4
<b><u>2. LIST OF ARTIFACTS</u></b> .....	<b>4</b>
<b><u>3. XML SCHEMAS</u></b> .....	<b>4</b>
<b><u>4. ADDITIONAL IEP PROVISIONS</u></b> .....	<b>4</b>
<b><u>4.1. Additional Property Definitions</u></b> .....	<b>5</b>
Document.....	5
Document Sections .....	5
Components .....	5
Elements .....	6
Document Local XML Types .....	10
Document Local XML Elements.....	10
<b><u>4.2. Minimal Properties Set</u></b> .....	<b>11</b>
<b><u>4.3. Additional Business Rules</u></b> .....	<b>11</b>
4.3.1. Description.....	11
4.3.2. Data Exchanges .....	12
<b><u>5. SAMPLES</u></b> .....	<b>12</b>
<b><u>6. DEVELOPMENT</u></b> .....	<b>12</b>
6.1. Participants .....	13
6.2. Process:.....	13
6.3. Development Artifacts: .....	13
6.3.1. Data Model Diagram .....	13
6.3.2. Source Documents .....	15
6.3.3. Revision History:.....	15
<b><u>7. TESTING AND CONFORMANCE</u></b> .....	<b>15</b>

**8. FEEDBACK..... 15**

## **1. Purpose and Scope**

### **1.1. Scope**

National

### **1.2. Purpose:**

## **2. List of Artifacts**

1. GJXDM Subschema
2. Extension Schema
3. Document Schema
4. XML Document Instance
5. Data Model Diagram
6. XMI Export
7. XML Mappings
8. GIEP Description
9. GJXDM Subschema
10. Extension Schema
11. Document Schema
12. XML Document Instance
13. Data Model Diagram
14. XMI Export
15. XML Mappings
16. GIEP Description

## **3. XML Schemas**

GJXDM Version: 3.0.3

<b>Schema Type</b>	<b>File Name</b>
Subset Schema	RMS Summary Response Schema Package\jxdm\3.0.3\jxdm.xsd
Extension Schema	RMS Summary Response Schema Package\lt.xsd
Document Schema	RMS Summary Response Schema Package\RMS Summary Response.xsd

## **4. Additional IEP Provisions**

**4.1. Additional Property Definitions****Document**

Name	Description
RMS Summary Response	

**Document Sections**

Name	Description
Incident	
Location	
Organization	
Person	
Property Query	An item that has been recovered, stolen, destroyed, siezed, evidence, lost, safe keeping, etc.
Record	
Response	

**Components**

Name	Description
Address	
Contact	
Firearm	
Incident Details	
Intersection Street	Could be a common intersection of a street or an on/off ramp.
Involvement	Describes the involvement of a person or an object to a particular record. (e.g. parolee, victim, witness, stolen, recovered, lost)
Issued ID	
Location Coordinates	
Location Range	
Modus Operandi	
Name	
Object Identifier	
Organization Identifiers	
Other Location Parameters	
Person Identifier	
Physical Characteristics	Identify scars, marks, tatoos and other distinguishing physical characteristics. This can include missing limbs, large ears, etc.
Physical Description	
Physical Description Range	When used in conjunction with a query, the elements in this component captures the min and max range of the age, height or range of a person.

## RMS Summary Response Information Exchange Package Definition

<b>Name</b>	<b>Description</b>
Record Summary	Metadata about the results that were returned. The summary may contain information about the record type and key identifiers for that record such as warrant numbers, incident numbers, etc.
Registration	Registration information for any form of conveyance. This would include airplanes, boats, automobiles, etc.
Response Details	Provides information about the original source of the information as well as where the data for the query was extracted from (e.g. repository). Additionally, provides key information to enable additional access to that data such as database ID's and file control numbers.
Vehicle Identification	
Vehicle Model Year Range	When used in conjunction with a query, the elements in this component captures the min and max range of the vehicle model year.

### Elements

<b>Name</b>	<b>Description</b>
Age Max	The maximum age in a range of possible ages.
Age Min	May either indicate the precise age of a person (if it is known), or the minimum age in a range of possible ages.
Altitude	The altitude measure of the location.
Altitude Reference Point	e.g. ground level, sea level.
Altitude Unit of Measure	The units of measure for the altitude (e.g. feet, miles, meters)
Area Code	Number Plan Area
Barrel Length	Length of the barrel in which the projectile passes and is affected by rifling
Brand Text	Text identifying the manufacturer of an item.
Building Designation	The name or number of a building.
CMV Weight	
Caliber Text	The diameter of the bore before the rifling grooves are cut.
Commercial Identifier	
Commercial Identifier Type	
Common Place Name	e.g. Mall, Washington Monument, Arlington Cemetary, Central Park.
Coordinate Date	Date that the coordinates were recorded by the device in UTC.
Coordinate Time	Time that the coordinates were recorded by the device in UTC.
Country Code	
County Code	
Database Identifier	
Date of Birth	
Datum	Indicates the Lat/Long system, UTM and projection year.

RMS Summary Response Information Exchange Package Definition

Name	Description
	<p>Need to research what NENA standard specifies for preferred Coordinate System to use.</p> <p>Specifies the map projection and coordinate system recommended for the display of longitude and latitude coordinates.</p>
Description	
Description Text	e.g. clothing
Digital Image	
E-Mail	
Expiration Date	
Eye Color Code	
FBI Number	
Finish Code	Type of finish on the weapon (e.g. Blue, Nickel, Stainless steel)
Firearm Manufacturer	Manufacturer of the item based on the 3-letter NCIC manufacturer code list.
Firearm Model Text	Text field that indicates the model of the firearm.
Firearm Type	Specific type of firearm used (e.g. handgun, submachine gun, rifle, shotgun)
First Name	
Floor Identifier	
Full Name	
Gauge Text	The size of the bore of a shotgun.
Hair Color Code	
Height Max	
Height Min	May either indicate the precise height of a person (if it is known), or the minimum height in a range of possible heights.
ID Number	Unique identifier assigned by the issuing organization.
ID Number Type	The identification type (e.g. passport, driver's license, military ID, state issued identification).
Incident Description Text	
Incident ID	Unique identifier for this incident on the originating CAD.
Incident Type Code	
Involvement Description	Describes the relationship between an organization and an event
Issuing Authority	The state or other issuing authority (e.g. DOD) from which a form of identification was issued.
Issuing Country	Indicates the country that the identification was issued from.
Last Name	
Latitude Degree	
Latitude Minute	
Latitude Second	
Living Indicator	
Local Person Identifier	e.g. Master Name Index identifier
Location Description	e.g. may indicate mile marker.

RMS Summary Response Information Exchange Package Definition

<b>Name</b>	<b>Description</b>
Longitude Degree	
Longitude Minute	
Longitude Second	
MO Category	A coded representation describing a pattern of behavior by a subject at a crime scene. Examples include victim gender,

RMS Summary Response Information Exchange Package Definition

Name	Description
------	-------------

## RMS Summary Response Information Exchange Package Definition

Name	Description
Telephone Number Extension	
Telephone Number Type	Cell Phone, Fax, Land Line etc
Telephone Prefix	AKA NXX Refers to the exchange which is the three digits following the area code
Vehicle Classification	
Vehicle Description	This may indicate the type of vehicle (e.g. airplane, truck, car, boat).
Vehicle Identification Number	
Vehicle Secondary Color Code	
Vehicle Style Code	
Web Address	
Weight Max	
Weight Min	May either indicate the precise weight of a person (if it is known), or the minimum weight in a range of possible weights.

### Document Local XML Types

Name	Description
EMContactRoleCodeSimpleType	
IncidentType (IncidentType)	
LocationRangeType (SuperType)	
LocationType (LocationType)	
OrganizationType (OrganizationType)	
PersonType (PersonType)	
PropertyQueryType (SuperType)	
ResourceComponentCapabilityTypeCodeSimpleType	
ResponseDetailsType (SuperType)	
VehicleType (VehicleType)	

### Document Local XML Elements

Name	Description
Incident (IncidentType)	
Location (LocationType)	Details about a physical location.
LocationRange (LocationRangeType)	Query parameters based on a range (e.g. min and max)
MOCategoryText (TextType)	A coded representation describing a pattern of behavior by a subject at a crime scene. Examples include victim gender, writing/drawing at scene, type of restraints on victim, property damaged. See <a href="http://criminaljustice.state.ny.us/dict/dataelement271.htm">http://criminaljustice.state.ny.us/dict/dataelement271.htm</a> for other examples.
MOSubcategoryText (TextType)	A coded representation detailing the MO category. Examples include male or female (Victim gender), Knife, blood, paint, lipstick (writing/drawing at scene). See <a href="http://criminaljustice.state.ny.us/dict/dataelement271.htm">http://criminaljustice.state.ny.us/dict/dataelement271.htm</a> for other examples.

<b>Name</b>	<b>Description</b>
MilePostRange (RangeMeasureType)	Specifies a range between two mile posts on a highway.
OffenseTypeCode (TextType)	The records management incident type code.
OffenseTypeCodeType (TextType)	The offense code type that has been used to describe the incident e.g. NCIC, UCR, NIBRS
Organization (OrganizationType)	Details about a unit which conducts some sort of business or operations.
OrganizationInvolvementText (TextType)	Describes the relationship between an organization and an event
Person (PersonType)	Describes inherent and frequently associated characteristics of a person.
PersonInvolvementText (TextType)	Describes the relationship between a person and an event
PremisesTypeCodeText (TextType)	Description of the building e.g. pharmacy, open area, single family home, restaurant, etc. May be based on UCR/NIBRS.
PropertyInvolvementText (TextType)	Describes the relationship between property and an event (TextType)
PropertyQuery (PropertyQueryType)	Query on an object or other property such as a firearm, vehicle, or other property.
ProximityMeasure (MeasureType)	
ResponseDetails (ResponseDetailsType)	Provides information about the original source of the information as well as where the data for the query was extracted from (e.g. repository). Additionally, provides key information to enable additional access to that data such as database ID's and file control numbers.
ResponseSummary (DocumentType)	Metadata about the results that were returned. The summary may contain information about the record type and key identifiers for that record such as warrant numbers, incident numbers, etc.
ScoreNumeric	A score assigned to each row in a query result set based on the number of values in the object that match the queried parameters.
StreetNumberRange (RangeMeasureType)	Describes a min and a max street number range
Vehicle (VehicleType)	Details about a motor-driven conveyance designed to carry its operator, passengers, and cargo, including trailers, and excepting boats.
VehicleModelYearRange (RangeMeasureType)	When used in conjunction with a query, the elements in this component captures the min and max range of the model year.

## **4.2. Minimal Properties Set**

## **4.3. Additional Business Rules**

### **4.3.1. Description**

· The data that is returned is not structured hierarchly. This schema does not support grouping of data, because it is intended to return one match per record. This has been identified as the lowest common denominator across RMS systems and does not make any assumptions about the existence or accuracy of the master name index. The data is organized around the record that matched the criteria. For example, there is no requirement to group records based on use of the master name index.

· Based on the type of query, the working group determined that in addition to the queried elements being returned, there are certain key elements that also should be returned that represent the minimum number of parameters that are necessary to help positively identify a person, object, organization, incident or location. These key elements are:

Person Based Query:

Key identifiers to include are name, sex, race, DOB, SSN, photo, AKA.

Location Based Query:

Key identifiers to include are address, and intersection street if appropriate.

Incident Based Query:

Key identifiers to include are incident ID, date, and description.

Object Based Query:

Key identifiers are based on the type of object. For a Vehicle, include vehicle identification, and registration information. Firearms should include the serial number, model, and color as key fields. If some other object, the ID, ID Type and property type should be key fields.

Organization Based Query:

Key identifiers to include are name, type, address and ID Number

·

#### **4.3.2. Data Exchanges**

1. During the Investigation state, at the Query RMS Repository event, If LEA requested cross-RMS query & If user is authorized to perform query the RMS Repository sends the RMS Summary Response to the Law Enforcement Agency for the Evaluate Query Result event in the Investigation state.

### **5. Samples**

### **6. Development**

## **6.1. Participants**

Aaron Gorell-URL Integration-Consultant  
Dominique Caspers-URL Integration-Consultant  
Suzette McLeod-IJIS Institute-IJIS  
Christine Spoon (was Mgarner)-Sungard OSSI-Industry  
Neil Kurlander-Asynchrony Solutions-Industry  
Steve Barger-Intergraph Corporations-Industry  
Steve Hoggard-Spillman-Industry  
Tom Dewey-Advanced Justice Systems-Industry  
Vincent Tortoreillo-Enforsys, Inc.-Industry  
Dave Mulholland-Commander, IT & Communications United States Park Police D.C.-  
LEITSC  
Gary Vest-Chief of police, Powell (OH) Police Department-LEITSC  
Jim Slater -Chief Information Officer, Massachusetts Executive Office of Public Safety-  
LEITSC  
Mike Haslip -Chief of Police, Blaine (WA) Police Department-LEITSC  
Bill Cade-APCO-APCO  
Martin Moody-APCO-APCO  
Heather Ruzbasan-IACP-LEITSC  
Matt Snyder-IACP-LEITSC

## **6.2. Process:**

This IEPD modeled during a series of sessions that focused on defining the scope of RMS related exchanges using the JIEM Exchange Modeling process. This discussion was followed-up with identification of the elements that would be required for each document identified during exchange modeling. These data requirements were documented using a domain model. The RMS group met once in Las Vegas, NM on April 11, 2006.

## **6.3. Development Artifacts:**

### **6.3.1. Data Model Diagram**



**6.3.2. Source Documents**

**6.3.3. Revision History:**

**7. Testing and Conformance**

**8. Feedback**