CJIS Division Information Technology

NIBRS IEPD 4.2 Master Documentation

Version 1.3

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Contents

1. Introduction

The new UCR system is being enhanced to include the ability to process NIBRS data submitted in Extensible Markup Language (XML) format. However, in order to minimize impacts on law enforcement agencies (LEAs) that participate in the UCR Program, the new UCR system will also continue to accept data submissions in the legacy NIBRS flat-file formats that are used today.

The purpose of this document is to provide documentation for version 4.2 of the National Incident Based Reporting (NIBRS) Information Exchange Package. N-DEx will provide law enforcement agencies (LEAs) with a powerful reporting tool to research and report criminal justice information (e.g., incident and case reports, etc.) on a national basis.

The structure of this document is intended to be compliant with version 3.2 of "Requirements for a National Information Exchange Model (NIEM) Information Exchange Package Documentation (IEPD) Specification".

2. Purpose and Scope

The purpose of the NIBRS 4.2 IEPD is to provide law enforcement agencies documentation that lists exchange specifications to be used for the exchange of complete, accurate, and timely criminal justice information, which is classified as Law Enforcement Sensitive, Sensitive But Unclassified, or Controlled Unclassified Information. This release of the N-DEx IEPD is based on the NIEM IEPD Template Requirements document and contains written documentation, schemas, instance documents, style sheet, a mapping spreadsheet, and additional documentation.

3. List of Artifacts

Artifact Name	Purpose
docs/nibrsMasterDocumentation.docx	This document.
docs/nibrsNIEM_Mapping.xlsx	MPD Specification 3.0
docs/nibrsUML.pdf	UML Diagram
docs/nibrsCodeTables.xlsx	Code Tables for each Instance
docs/nibrsNIEMConformanceAssertion.docx	Example conformance assertion
docs/readme.txt	IEPD Content Listing
xml/nibrs.xml	All fields sample file
xsd/cjis/1.0/cjis-codes.xsd	CJIS Specific Codes
xsd/cjis/1.0/cjis.xsd	CJIS Schema Validation
xsd/nibrs/4.0/nibrs-codes.xsd	NIBRS Specific Codes
xsd/nibrs/4.0/nibrs.xsd	NIBRS Schema Validation
niem/*.*	NIEM Codes and Validation Schemas

4. NIBRS and NIEM Interaction

4.1 NIEM Constrained Subset Schemas

This group of schemas is included in the xsd/niem directory of the IEPD directory structure.

4.2 Extension XML Schemas

These schemas include nibrs.xsd, nibrs-codes.xsd which are in the xsd/nibrs/4.0/ directory and the cjis.xsd and cjis-codes.xsd found in the xsd/cjis/1.0/ directory of the IEPD directory structure.

5. XML Elements and Associations

Below is a list of XML elements and associations along with mapping to the NIBRS Specification.

cjis:MessageMetadata/cjis:MessageDateTime
cjis:MessageMetadata/cjis:MessageIdentification/nc:IdentificationID
cjis:MessageMetadata/cjis:MessageImplementationVersion
cjis:MessageMetadata/cjis:MessageSubmittingOrganization/j:OrganizationAugmentation/ j:OrganizationORIIdentification/nc:Identificaiton ID
nibrs:Report/nibrs:ReportHeader/nibrs:NIBRSReportCategoryCode
nibrs:Report/nibrs:ReportHeader/nibrs:ReportActionCategoryCode
nibrs:Report/nibrs:ReportHeader/nibrs:ReportDate/nc:YearMonthDate
nibrs:Report/nibrs:ReportHeader/nibrs:ReportingAgency/j:OrganizationAugmentation/j:OrganizationORIIdentification/nc:IdentificationID
nibrs:Report/nc:Incident/nc:ActivityIdentification/nc:IdentificationID
nibrs:Report/nc:Incident/nc:ActivityDate/nc:DateTime
nibrs:Report/nc:Incident/nc:ActivityDate/nc:Date
nibrs:Report/nc:Incident/cjis:IncidentAugmentation/cjis:IncidentReportDateIndicator
nibrs:Report/nc:Incident/cjis:IncidentAugmentation/j:OffenseCargoTheftIndicator
nibrs:Report/nc:Incident/j:IncidentAugmentation/j:IncidentExceptionalClearanceCode
nibrs:Report/nc:Incident/j:IncidentAugmenatation/j:IncidentExceptionalClearanceDate/nc:Date
nibrs:Report/j:Offense/nibrs:OffenseUCRCode
nibrs:Report/j:Offense/j:OffenseAttemptedIndicator
nibrs:Report/j:Offense/j:OffenseFactor/j:OffenseFactorCode
nibrs:Report/j:Offense/j:OffenseFactorBiasMotivationCode
nibrs:Report/nc:Location/nibrs:LocationCategoryCode
nibrs:Report/j:Offense/j:OffenseStructuresEnteredQuantity
nibrs:Report/j:Offense/j:OffenseEntryPoint/j:PassagePointMethodCode
nibrs:Report/j:Offense/nibrs:CriminalActivityCategoryCode
nibrs:Report/j:Offense/j:OffenseForce/j:ForceCategoryCode
nibrs:Report/nc:Item/nc:ItemStatus/cjis:ItemStatusCode
nibrs:Report/nc:Item/j:ItemCategoryNIBRSPropertyCategoryCode
nibrs:Report/nc:Item/nc:ItemValue/nc:ItemValueAmount/nc:Amount
nibrs:Report/nc:Item/nc:ItemValue/nc:ItemValueDate/nc:Date
nibrs:Report/nc:Item/nc:ItemQuantity
nibrs:Report/nc:Substance/j:DrugCategoryCode
nibrs:Report/nc:Substance/nc:SubstanceQuantityMeasure/nc:MeasureDecimalValue

nibrs:Report/nc:Substance/nc:SubstanceQuantityMeasure/j:SubstanceUnitCode
nibrs:Report/j:Victim/j:VictimSequenceNumberText
nibrs:Report/j:OffenseVictimAssociation/j:Offense/@s:ref nibrs:Report/j:OffenseVictimAssociation/j:Victim/@s:ref
nibrs:Report/j:EnforcementOfficial/nc:EnforcementOfficialUnit/j:OrganizationAugmentation/ j:OrganizationORIIdentification/nc:IdentificationID
nibrs:Report/j:Victim/j:VictimCategoryCode
nibrs:Report/j:EnforcementOfficial/j:EnforcementOfficialActivityCategory
nibrs:Report/j:EnforcementOfficial/j:EnforcementOfficialAssignmentCategory
nibrs:Report/nc:Person/nc:PersonAgeMeasure/nc:MeasureValueText
nibrs:Report/nc:Person/nc:PersonAgeMeasure/nc:MeasureIntegerRange/nc:RangeMinimumIntegerValue
nibrs:Report/nc:Person/nc:PersonAgeMeasure/nc:MeasureIntegerRange/nc:RangeMaximumIntegerValue
nibrs:Report/nc:Person/nc:PersonAgeMeasure/nc:MeasureIntegerValue
nibrs:Report/nc:Person/j:PersonSexCode
nibrs:Report/nc:Person/j:PersonRaceNDExCode
nibrs:Report/nc:Person/j:PersonEthnicityCode
nibrs:Report/nc:Person/j:PersonResidentCode
nibrs:Report/j:Victim/j:VictimAggravatedAssaultHomicideFactorCode
nibrs:Report/j:Victim/j:VictimJustifiableHomicideFactor
nibrs:Report/j:Victim/j:VictimInjury/j:InjuryCategoryCode
nibrs:Report/j:SubjectVictimAssociation/j:Subject/@s:ref nibrs:Report/j:SubjectVictimAssociation/j:Victim/@s:ref
nibrs:Report/j:SubjectVictimAssociationType/nibrs:VictimToSubjectRelationship
nibrs:Report/j:Subject/j:SubjectSequenceNumberText
nibrs:Report/nc:Person/nc:PersonAgeMeasure/nc:MeasureValueText
nibrs:Report/nc:Person/nc:PersonAgeMeasure/nc:MeasureIntegerRange/nc:RangeMinimumIntegerValue
nibrs:Report/nc:Person/nc:PersonAgeMeasure/nc:MeasureIntegerRange/nc:RangeMaximumIntegerValue
nibrs:Report/nc:Person/nc:PersonAgeMeasure/nc:MeasureIntegerValue
nibrs:Report/nc:Person/j:PersonSexCode
nibrs:Report/nc:Person/j:PersonRaceNDExCode
nibrs:Report/nc:Person/j:PersonEthnicityCode
nibrs:Report/j:Arrest/nc:ActivityIdentification/nc:IdentificationID
nibrs:Report/j:Arrestee/j:ArrestSequenceID
nibrs:Report/j:Arrest/nc:ActivityDate/nc:Date
nibrs:Report/j:Arrest/j:ArrestCategoryCode
nibrs:Report/j:Arrestee/j:ArrestSubjectCountCode
nibrs:Report/j:Arrest/j:ArrestCharge/nibrs:ChargeUCRCode
nibrs:Report/j:Arrestee/j:ArresteeArmedWithCode
nibrs:Report/nc:Person/nc:PersonAgeMeasure/nc:MeasureValueText
nibrs:Report/nc:Person/nc:PersonAgeMeasure/nc:MeasureIntegerRange/nc:RangeMinimumIntegerValue
nibrs:Report/nc:Person/nc:PersonAgeMeasure/nc:MeasureIntegerRange/nc:RangeMaximumIntegerValue
nibrs:Report/nc:Person/nc:PersonAgeMeasure/nc:MeasureIntegerValue
nibrs:Report/nc:Person/j:PersonSexCode
nibrs:Report/nc:Person/j:PersonRaceNDExCode

nibrs:Report/nc:Person/j:PersonEthnicityCode
nibrs:Report/nc:Person/j:PersonResidentCode
nibrs:Report/j:Arrestee/j:ArresteeJuvenileDispositionCode

6. Business Rules

Please refer to the current version of the NIBRS Technical Specification for all business rules and cardinality information.

7. Development Resources

- <oXygen/> XML Editor 16.1, build 2014112517 was used to create, edit, and validate against the xsd file. Fields were derived from the NIBRS Technical Specification documentation.
- NIEM Subset Generation Tool (SSGT) was used to define wantlist.xml and generate schema documentation.

8. Testing and Conformance

XML Group tested the integrity of the IEPD schemas by parsing the sample instances (included in the xml/ directory) with <oXygen/> XML Editor 16.1, build 2014112517. The IEPD has been reviewed for conformance by the workgroup.